Principles of nanoparticle design for overcoming biolog

Nature Biotechnology 33, 941-951

DOI: 10.1038/nbt.3330

Citation Report

#	Article	IF	CITATIONS
2	Nanostructured ultra-thin patches for ultrasound-modulated delivery of anti-restenotic drug. International Journal of Nanomedicine, 2016, 11 , 69 .	3.3	30
3	One step preparation of quantum dot-embedded lipid nanovesicles by a microfluidic device. RSC Advances, 2015, 5, 98576-98582.	1.7	9
4	Multistage vector (MSV) therapeutics. Journal of Controlled Release, 2015, 219, 406-415.	4.8	52
5	Drug therapy smartens up. Nature Nanotechnology, 2015, 10, 910-911.	15.6	5
6	Pharmacokinetics, pharmacodynamics and toxicology of theranostic nanoparticles. Nanoscale, 2015, 7, 18848-18862.	2.8	115
7	Enzymatic Synthesis and Characterization of Hydrophilic Sugar Based Polyesters and Their Modification with Stearic Acid. Polymers, 2016, 8, 80.	2.0	17
8	Multicomponent, peptide-targeted glycol chitosan nanoparticles containing ferrimagnetic iron oxide nanocubes for bladder cancer multimodal imaging. International Journal of Nanomedicine, 2016, Volume 11, 4141-4155.	3.3	46
9	Targeted Delivery of siRNA to Transferrin Receptor Overexpressing Tumor Cells via Peptide Modified Polyethylenimine. Molecules, 2016, 21, 1334.	1.7	32
10	Ligand-based targeted therapy: a novel strategy for hepatocellular carcinoma. International Journal of Nanomedicine, 2016, Volume 11, 5645-5669.	3.3	108
11	A novel paclitaxel-loaded poly(D,L-lactide-co-glycolide)-Tween 80 copolymer nanoparticle overcoming multidrug resistance for lung cancer treatment. International Journal of Nanomedicine, 2016, 11, 2119.	3.3	17
12	Anti-MUC1 nano-aptamers for triple-negative breast cancer imaging by single-photon emission computed tomography in inducted animals: initial considerations. International Journal of Nanomedicine, 2017, Volume 12, 53-60.	3.3	30
13	The Smart Drug Delivery System and Its Clinical Potential. Theranostics, 2016, 6, 1306-1323.	4.6	718
14	Size Dependent Kinetics of Gold Nanorods in EPR Mediated Tumor Delivery. Theranostics, 2016, 6, 2039-2051.	4.6	81
15	Recent Advances on Inorganic Nanoparticle-Based Cancer Therapeutic Agents. International Journal of Environmental Research and Public Health, 2016, 13, 1182.	1.2	91
16	Development of Dendrimer Encapsulated Radio-Ytterbium and Biodistributionin Tumor Bearing Mice. IEEE Transactions on Nanobioscience, 2016, 15, 549-554.	2.2	6
17	Facile Generation of Tumorâ€pH‣abile Linkageâ€Bridged Block Copolymers for Chemotherapeutic Delivery. Angewandte Chemie, 2016, 128, 1022-1026.	1.6	35
18	Ultra-small lipid–polymer hybrid nanoparticles for tumor-penetrating drug delivery. Nanoscale, 2016, 8, 14411-14419.	2.8	100
19	Synthesis and evaluation of folateâ€immobilized <scp>¹⁹⁸Au</scp> @ <scp>SiO₂</scp> nanocomposite materials for the diagnosis of folateâ€receptorâ€overexpressed tumor. Bulletin of the Korean Chemical Society, 2016, 37, 219-225.	1.0	8

#	ARTICLE	IF	CITATIONS
20	Dualâ€Targeted Photopenetrative Delivery of Multiple Micelles/Hydrophobic Drugs by a Nanopea for Enhanced Tumor Therapy. Advanced Functional Materials, 2016, 26, 4169-4179.	7.8	17
21	Pentacle gold–copper alloy nanocrystals: a new system for entering male germ cells in vitro and in vivo. Scientific Reports, 2016, 6, 39592.	1.6	3
22	Design and 3D Printing of Hierarchical Tissue Engineering Scaffolds Based on Mechanics and Biology Perspectives. , $2016, , .$		5
23	The effect of particle density on ultrasound-mediated transport of nanoparticles. Physics in Medicine and Biology, 2016, 61, 7906-7918.	1.6	14
25	Native and Reconstituted Plasma Lipoproteins in Nanomedicine: Physicochemical Determinants of Nanoparticle Structure, Stability, and Metabolism. Methodist DeBakey Cardiovascular Journal, 2021, 12, 146.	0.5	13
26	Targeted Delivery of Shear Stress-Inducible microRNAs by Nanoparticles to Prevent Vulnerable Atherosclerotic Lesions. Methodist DeBakey Cardiovascular Journal, 2021, 12, 152.	0.5	8
27	Biodistribution of biodegradable polymeric nano-carriers loaded with busulphan and designed for multimodal imaging. Journal of Nanobiotechnology, 2016, 14, 82.	4.2	28
29	Direct Fabrication of Monodisperse Silica Nanorings from Hollow Spheres – A Template for Core–Shell Nanorings. ACS Applied Materials & Diterfaces, 2016, 8, 10451-10458.	4.0	16
30	Multiple Administrations of Viral Nanoparticles Alter <i>in Vivo</i> Behaviorâ€"Insights from Intravital Microscopy. ACS Biomaterials Science and Engineering, 2016, 2, 829-837.	2.6	17
31	Tumor microenvironment-specific nanoparticles activatable by stepwise transformation. Journal of Controlled Release, 2016, 234, 68-78.	4.8	25
32	Nanoengineered Templated Polymer Particles: Navigating the Biological Realm. Accounts of Chemical Research, 2016, 49, 1139-1148.	7.6	122
33	Biomimetic proteolipid vesicles for targeting inflamed tissues. Nature Materials, 2016, 15, 1037-1046.	13.3	327
34	Critical questions in development of targeted nanoparticle therapeutics. International Journal of Energy Production and Management, 2016, 3, 143-147.	1.9	23
35	Electroporation and lipid nanoparticles with cyanine IR-780 and flavonoids as efficient vectors to enhanced drug delivery in colon cancer. Bioelectrochemistry, 2016, 110, 19-31.	2.4	64
36	Chlorin e6 keratin nanoparticles for photodynamic anticancer therapy. RSC Advances, 2016, 6, 33910-33918.	1.7	27
37	Engineering Periodic shRNA for Enhanced Silencing Efficacy. Molecular Therapy, 2016, 24, 1070-1077.	3.7	4
38	Overcoming tumor resistance to cisplatin by cationic lipid-assisted prodrug nanoparticles. Biomaterials, 2016, 94, 9-19.	5.7	47
39	Emerging nanotechnologies for cancer immunotherapy. Experimental Biology and Medicine, 2016, 241, 1116-1126.	1.1	26

3

#	Article	IF	CITATIONS
40	Polymer-based nanoparticles for protein delivery: design, strategies and applications. Journal of Materials Chemistry B, 2016, 4, 4060-4071.	2.9	93
41	Mechanisms of transport of polymeric and lipidic nanoparticles across the intestinal barrier. Advanced Drug Delivery Reviews, 2016, 106, 242-255.	6.6	98
42	PSMA targeted docetaxel-loaded superparamagnetic iron oxide nanoparticles for prostate cancer. Colloids and Surfaces B: Biointerfaces, 2016, 144, 8-20.	2.5	106
43	Layer-by-layer assembled fluorescent probes in the second near-infrared window for systemic delivery and detection of ovarian cancer. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5179-5184.	3.3	166
44	In Vivo Bio-distribution and Efficient Tumor Targeting of Gelatin/Silica Nanoparticles for Gene Delivery. Nanoscale Research Letters, 2016, 11, 195.	3.1	16
45	Surface charge critically affects tumor penetration and therapeutic efficacy of cancer nanomedicines. Nano Today, 2016, 11, 133-144.	6.2	208
46	A simple improved desolvation method for the rapid preparation of albumin nanoparticles. International Journal of Biological Macromolecules, 2016, 91, 703-709.	3.6	156
47	Osteoblast-Targeting-Peptide Modified Nanoparticle for siRNA/microRNA Delivery. ACS Nano, 2016, 10, 5759-5768.	7.3	120
48	Functional block copolymer nanocarriers for anticancer drug delivery. RSC Advances, 2016, 6, 84634-84644.	1.7	10
49	Delivery of nucleic acids for cancer gene therapy: overcoming extra- and intra-cellular barriers. Therapeutic Delivery, 2016, 7, 619-637.	1.2	22
50	Silicaâ€Coated Nonstoichiometric Nano Znâ€Ferrites for Magnetic Resonance Imaging and Hyperthermia Treatment. Advanced Healthcare Materials, 2016, 5, 2698-2706.	3.9	31
51	Versatile design of amphiphilic glycopolypeptides nanoparticles for lectin recognition. Polymer, 2016, 107, 474-484.	1.8	16
52	Microparticulate poly(vinyl alcohol) hydrogel formulations for embedding and controlled release of polyethylenimine (PEI)-based nanoparticles. Acta Biomaterialia, 2016, 45, 210-222.	4.1	30
53	Targeted Delivery of Immunomodulators to Lymph Nodes. Cell Reports, 2016, 15, 1202-1213.	2.9	73
54	Dry Sintering Meets Wet Silverâ€lon "Solderingâ€. Chargeâ€Transfer Plasmon Engineering of Solutionâ€Assembled Gold Nanodimers From Visible to Nearâ€Infraredâ€I and IIâ€Regions. Angewandte Chen International Edition, 2016, 55, 14296-14300.	ni ē. 2	34
55	Optimization of ciprofloxacin complex loaded PLGA nanoparticles for pulmonary treatment of cystic fibrosis infections: Design of experiments approach. International Journal of Pharmaceutics, 2016, 515, 343-351.	2.6	36
56	Multiâ€Responsive "Turnâ€On―Nanocarriers for Efficient Siteâ€Specific Gene Delivery In Vitro and In Vivo. Advanced Healthcare Materials, 2016, 5, 2799-2812.	3.9	18
57	Volume determination of irregularly-shaped quasi-spherical nanoparticles. Analytical and Bioanalytical Chemistry, 2016, 408, 7897-7903.	1.9	11

#	Article	IF	CITATIONS
58	Increasing the Impact of Materials in and beyond Bio-Nano Science. Journal of the American Chemical Society, 2016, 138, 13449-13456.	6.6	49
59	Synthesis of self-assembling arylopeptoid bearing hydrophilic polymer on the basis of soluble polymer-supported liquid-phase synthesis. Tetrahedron, 2016, 72, 6886-6891.	1.0	4
60	Realâ€Time Labelâ€Free Monitoring of Nanoparticle Cell Uptake. Small, 2016, 12, 6289-6300.	5.2	26
61	The Penetrated Delivery of Drug and Energy to Tumors by Lipo-Graphene Nanosponges for Photolytic Therapy. ACS Nano, 2016, 10, 9420-9433.	7.3	53
62	In vitro and ex vivo strategies for intracellular delivery. Nature, 2016, 538, 183-192.	13.7	662
63	Dry Sintering Meets Wet Silverâ€ion "Solderingâ€i Chargeâ€Transfer Plasmon Engineering of Solutionâ€Assembled Gold Nanodimers From Visible to Nearâ€infraredâ€I and Ilâ€Regions. Angewandte Chem 2016, 128, 14508-14512.	ıi e, 6	12
64	Enhanced Radiosensitization of Gold Nanospikes via Hyperthermia in Combined Cancer Radiation and Photothermal Therapy. ACS Applied Materials & Samp; Interfaces, 2016, 8, 28480-28494.	4.0	124
65	Precise Targeting of Liver Tumor Using Glycol Chitosan Nanoparticles: Mechanisms, Key Factors, and Their Implications. Molecular Pharmaceutics, 2016, 13, 3700-3711.	2.3	30
66	Hyaluronic acid anchored paclitaxel nanocrystals improves chemotherapeutic efficacy and inhibits lung metastasis in tumor-bearing rat model. RSC Advances, 2016, 6, 73083-73095.	1.7	28
67	Non-specific binding and steric hindrance thresholds for penetration of particulate drug carriers within tumor tissue. Journal of Controlled Release, 2016, 238, 139-148.	4.8	46
68	Tuning the Drug Loading and Release of DNAâ€Assembled Goldâ€Nanorod Superstructures. Advanced Materials, 2016, 28, 8511-8518.	11.1	88
69	Thermosensitive/superparamagnetic iron oxide nanoparticle-loaded nanocapsule hydrogels for multiple cancer hyperthermia. Biomaterials, 2016, 106, 13-23.	5.7	137
70	A polypeptide micelle template method to prepare polydopamine composite nanoparticles for synergistic photothermal–chemotherapy. Polymer Chemistry, 2016, 7, 5552-5562.	1.9	32
71	Compositional tuning of epoxide-polyetheramine "click―reaction toward cytocompatible, cationic hydrogel particles with antimicrobial and DNA binding activities. Acta Biomaterialia, 2016, 43, 292-302.	4.1	17
72	Diffusion of Fluorescently Labeled Bacteriocin from Edible Nanomaterials and Embedded Nano-Bioactive Coatings. ACS Applied Materials & Samp; Interfaces, 2016, 8, 21618-21631.	4.0	17
73	Synthesis of novel amphiphilic hyaluronan containing-aromatic fatty acids for fabrication of polymeric micelles. Carbohydrate Polymers, 2016, 151, 1175-1183.	5.1	10
74	Nanovesicle-mediated systemic delivery of microRNA-34a for CD44 overexpressing gastric cancer stem cell therapy. Biomaterials, 2016, 105, 12-24.	5.7	63
75	Direct Cytoplasmic Delivery and Nuclear Targeting Delivery of HPMA-MT Conjugates in a Microtubules Dependent Fashion. Molecular Pharmaceutics, 2016, 13, 3069-3079.	2.3	5

#	ARTICLE	IF	CITATIONS
76	Role of nanoparticle size, shape and surface chemistry in oral drug delivery. Journal of Controlled Release, 2016, 238, 176-185.	4.8	502
77	Enzyme-responsive multistage vector for drug delivery to tumor tissue. Pharmacological Research, 2016, 113, 92-99.	3.1	47
78	Simple Synthesis of Cladribine-Based Anticancer Polymer Prodrug Nanoparticles with Tunable Drug Delivery Properties. Chemistry of Materials, 2016, 28, 6266-6275.	3.2	30
79	Gold Nanoantenna-Mediated Photothermal Drug Delivery from Thermosensitive Liposomes in Breast Cancer. ACS Omega, 2016, 1, 234-243.	1.6	62
80	Exosomes increase the therapeutic index of doxorubicin in breast and ovarian cancer mouse models. Nanomedicine, 2016, 11, 2431-2441.	1.7	213
81	Fast Targeting and Cancer Cell Uptake of Luminescent Antibodyâ€Nanozeolite Bioconjugates. Small, 2016, 12, 5431-5441.	5.2	15
82	Drug carrier system self-assembled from biomimetic polyphosphorycholine and biodegradable polypeptide based diblock copolymers. Polymer, 2016, 100, 45-55.	1.8	27
83	Nanoparticles responsive to the inflammatory microenvironment for targeted treatment of arterial restenosis. Biomaterials, 2016, 105, 167-184.	5.7	64
84	On the article "Findings questioning the involvement of Sigma-1 receptor in the uptake of anisamide-decorated particles―[J. Control. Release 224 (2016) 229–238]. Journal of Controlled Release, 2016, 243, 382-385.	4.8	10
85	Opsonisation of nanoparticles prepared from poly(β-hydroxybutyrate) and poly(trimethylene) Tj ETQq1 1 0.784 primary human macrophages and HepaRG hepatoma cells. International Journal of Pharmaceutics, 2016,	314 rgBT / 2.6	Overlock 10 13
86	513. 438-452. Long-Circulating Au-TiO ₂ Nanocomposite as a Sonosensitizer for ROS-Mediated Eradication of Cancer. Nano Letters, 2016, 16, 6257-6264.	4.5	328
87	Nanoparticles size-dependently initiate self-limiting NETosis-driven inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5856-E5865.	3.3	128
88	Gene delivery and immunomodulatory effects of plasmid DNA associated with Branched Amphiphilic Peptide Capsules. Journal of Controlled Release, 2016, 241, 15-24.	4.8	35
89	Near-Infrared Emission CulnS/ZnS Quantum Dots: All-in-One Theranostic Nanomedicines with Intrinsic Fluorescence/Photoacoustic Imaging for Tumor Phototherapy. ACS Nano, 2016, 10, 9637-9645.	7.3	216
90	Role of Cell Membrane–Vector Interactions in Successful Gene Delivery. Accounts of Chemical Research, 2016, 49, 1486-1493.	7.6	66
91	Mesoporous Silica Nanoparticle-Supported Lipid Bilayers (Protocells) for Active Targeting and Delivery to Individual Leukemia Cells. ACS Nano, 2016, 10, 8325-8345.	7.3	180
92	Porous Silicon and Polymer Nanocomposites for Delivery of Peptide Nucleic Acids as Antiâ€MicroRNA Therapies. Advanced Materials, 2016, 28, 7984-7992.	11.1	56
93	Synergetic enhancement of antitumor efficacy with charge-reversal and reduction-sensitive polymer micelles. Polymer Chemistry, 2016, 7, 5113-5122.	1.9	21

#	Article	IF	CITATIONS
94	Nanomedicine and tumor heterogeneity: Concept and complex reality. Nano Today, 2016, 11, 402-414.	6.2	59
95	Superparamagnetic iron oxide nanocargoes for combined cancer thermotherapy and MRI applications. Physical Chemistry Chemical Physics, 2016, 18, 21331-21339.	1.3	60
96	Biomimetic carriers mimicking leukocyte plasma membrane to increase tumor vasculature permeability. Scientific Reports, 2016, 6, 34422.	1.6	92
97	The breast cancer stem cell potency of copper(<scp>ii</scp>) complexes bearing nonsteroidal anti-inflammatory drugs and their encapsulation using polymeric nanoparticles. Dalton Transactions, 2016, 45, 17867-17873.	1.6	42
98	Overview of Present Problems Facing Commercialization of Nanomedicines. Fundamental Biomedical Technologies, 2016, , 3-36.	0.2	3
99	Reloadable multidrug capturing delivery system for targeted ischemic disease treatment. Science Translational Medicine, 2016, 8, 365ra160.	5.8	19
100	Nucleic Acid Delivery for Endothelial Dysfunction in Cardiovascular Diseases. Methodist DeBakey Cardiovascular Journal, 2021, 12, 134.	0.5	5
101	Gadolinium-functionalized nanoparticles for application as magnetic resonance imaging contrast agents via polymerization-induced self-assembly. Polymer Chemistry, 2016, 7, 7325-7337.	1.9	56
102	A Fluorinated Bolaâ€Amphiphilic Dendrimer for Onâ€Demand Delivery of siRNA, via Specific Response to Reactive Oxygen Species. Advanced Functional Materials, 2016, 26, 8594-8603.	7.8	56
103	Nanoparticles for cancer gene therapy: Recent advances, challenges, and strategies. Pharmacological Research, 2016, 114, 56-66.	3.1	110
104	Liposomal drug delivery systems for targeted cancer therapy: is active targeting the best choice?. Future Medicinal Chemistry, 2016, 8, 2091-2112.	1.1	50
105	Tumorâ€Responsive Small Molecule Selfâ€Assembled Nanosystem for Simultaneous Fluorescence Imaging and Chemotherapy of Lung Cancer. Advanced Functional Materials, 2016, 26, 8735-8745.	7.8	41
106	Theranostic Nanocages for Imaging and Photothermal Therapy of Prostate Cancer Cells by Active Targeting of Neuropeptide-Y Receptor. Bioconjugate Chemistry, 2016, 27, 2911-2922.	1.8	24
107	Redox-mediated dissociation of PEG–polypeptide-based micelles for on-demand release of anticancer drugs. Journal of Materials Chemistry B, 2016, 4, 7859-7869.	2.9	19
108	Injectable Self-Assembled Dipeptide-Based Nanocarriers for Tumor Delivery and Effective In Vivo Photodynamic Therapy. ACS Applied Materials & Samp; Interfaces, 2016, 8, 30759-30767.	4.0	59
109	Tannic Acid-Mediated Surface Functionalization of Polymeric Nanoparticles. ACS Biomaterials Science and Engineering, 2016, 2, 2294-2303.	2.6	104
110	Nanocarrier-Based Anticancer Therapies with the Focus on Strategies for Targeting the Tumor Microenvironment. Fundamental Biomedical Technologies, 2016, , 67-122.	0.2	0
111	Survey of supercritical fluid techniques for producing drug delivery systems for a potential use in cancer therapy. Reviews in Chemical Engineering, 2016, 32, 507-532.	2.3	11

#	Article	IF	CITATIONS
112	Augmenting drugâ€"carrier compatibility improves tumour nanotherapy efficacy. Nature Communications, 2016, 7, 11221.	5.8	111
113	The Next Generation Non-competitive Active Polyester Nanosystems for Transferrin Receptor-mediated Peroral Transport Utilizing Gambogic Acid as a Ligand. Scientific Reports, 2016, 6, 29501.	1.6	22
114	Dynamic Flow Impacts Cell–Particle Interactions: Sedimentation and Particle Shape Effects. Langmuir, 2016, 32, 10995-11001.	1.6	33
115	Nanomedicines for renal disease: current status and future applications. Nature Reviews Nephrology, 2016, 12, 738-753.	4.1	179
116	Dual-Targeting Magnetic PLGA Nanoparticles for Codelivery of Paclitaxel and Curcumin for Brain Tumor Therapy. ACS Applied Materials & Samp; Interfaces, 2016, 8, 32159-32169.	4.0	184
117	Tunable slow dynamics in a new class of soft colloids. Soft Matter, 2016, 12, 9039-9046.	1.2	12
118	Spatial Measurements of Perfusion, Interstitial Fluid Pressure and Liposomes Accumulation in Solid Tumors. Journal of Visualized Experiments, 2016, , .	0.2	6
119	Nanocarriers based delivery of nutraceuticals for cancer prevention and treatment: A review of recent research developments. Trends in Food Science and Technology, 2016, 54, 114-126.	7.8	67
120	Multistage Delivery Technologies: Multifunctional, Interdisciplinary Approaches to Nanomedicine. Molecular Therapy, 2016, 24, 849-851.	3.7	11
121	A safe, simple and efficient doxorubicin prodrug hybrid micelle for overcoming tumor multidrug resistance and targeting delivery. Journal of Controlled Release, 2016, 235, 182-194.	4.8	129
122	Biodegradable Nanoparticles and Their In Vivo Fate., 2016,, 21-39.		1
123	Cathepsin S-cleavable, multi-block HPMA copolymers for improved SPECT/CT imaging of pancreatic cancer. Biomaterials, 2016, 103, 101-115.	5.7	24
124	Activatable Water-Soluble Probes Enhance Tumor Imaging by Responding to Dysregulated pH and Exhibiting High Tumor-to-Liver Fluorescence Emission Contrast. Bioconjugate Chemistry, 2016, 27, 1737-1744.	1.8	53
125	DNA nanovehicles and the biological barriers. Advanced Drug Delivery Reviews, 2016, 106, 183-191.	6.6	66
126	In situ diselenide-crosslinked polymeric micelles for ROS-mediated anticancer drug delivery. Biomaterials, 2016, 103, 56-66.	5.7	148
127	Protein-Poly(amino acid) Nanocore–Shell Mediated Synthesis of Branched Gold Nanostructures for Computed Tomographic Imaging and Photothermal Therapy of Cancer. ACS Applied Materials & Samp; Interfaces, 2016, 8, 15889-15903.	4.0	50
128	Smart Superstructures with Ultrahigh pH-Sensitivity for Targeting Acidic Tumor Microenvironment: Instantaneous Size Switching and Improved Tumor Penetration. ACS Nano, 2016, 10, 6753-6761.	7.3	461
129	Systemic RNA delivery to dendritic cells exploits antiviral defence for cancer immunotherapy. Nature, 2016, 534, 396-401.	13.7	1,243

#	Article	IF	Citations
130	Programmable biomaterials for dynamic and responsive drug delivery. Experimental Biology and Medicine, 2016, 241, 1127-1137.	1.1	9
131	Engineering phosphopeptide-decorated magnetic nanoparticles as efficient photothermal agents for solid tumor therapy. Journal of Colloid and Interface Science, 2016, 476, 158-166.	5.0	8
132	DLS and zeta potential – What they are and what they are not?. Journal of Controlled Release, 2016, 235, 337-351.	4.8	2,428
133	Nanoparticle-Based Medicines: A Review of FDA-Approved Materials and Clinical Trials to Date. Pharmaceutical Research, 2016, 33, 2373-2387.	1.7	1,976
134	Biofunctionalized nanoparticles: an emerging drug delivery platform for various disease treatments. Drug Discovery Today, 2016, 21, 1303-1312.	3.2	74
135	InÂvitro screening of nanomedicines through the blood brain barrier: A critical review. Biomaterials, 2016, 103, 229-255.	5.7	48
136	Ultrasmall Organic Nanoparticles with Aggregation-Induced Emission and Enhanced Quantum Yield for Fluorescence Cell Imaging. Analytical Chemistry, 2016, 88, 7853-7857.	3.2	45
137	Targeting Colorectal Cancer Stem-Like Cells with Anti-CD133 Antibody-Conjugated SN-38 Nanoparticles. ACS Applied Materials & Samp; Interfaces, 2016, 8, 17793-17804.	4.0	85
138	Molecular Engineering of Acoustic Protein Nanostructures. ACS Nano, 2016, 10, 7314-7322.	7.3	124
139	Facile Generation of Tumorâ€pHâ€Labile Linkageâ€Bridged Block Copolymers for Chemotherapeutic Delivery. Angewandte Chemie - International Edition, 2016, 55, 1010-1014.	7.2	133
140	Short- and Long-Term Tracking of Anionic Ultrasmall Nanoparticles in Kidney. ACS Nano, 2016, 10, 387-395.	7.3	95
141	Hyperthermia using nanoparticles – Promises and pitfalls. International Journal of Hyperthermia, 2016, 32, 76-88.	1.1	158
142	Biological interactions of carbon-based nanomaterials: From coronation to degradation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 333-351.	1.7	322
143	Facile Peptides Functionalization of Lanthanide-Based Nanocrystals through Phosphorylation Tethering for Efficient <i>in Vivo</i> NIR-to-NIR Bioimaging. Analytical Chemistry, 2016, 88, 1930-1936.	3.2	27
144	The impact of nanoparticle protein corona on cytotoxicity, immunotoxicity and target drug delivery. Nanomedicine, 2016, 11, 81-100.	1.7	499
145	Silver nanoparticles modulate ABC transporter activity and enhance chemotherapy in multidrug resistant cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 601-610.	1.7	54
146	Strategies for improving the intratumoral distribution of liposomal drugs in cancer therapy. Expert Opinion on Drug Delivery, 2016, 13, 873-889.	2.4	34
147	Preparation of HIFU-triggered tumor-targeted hyaluronic acid micelles for controlled drug release and enhanced cellular uptake. Colloids and Surfaces B: Biointerfaces, 2016, 143, 27-36.	2.5	38

#	Article	IF	Citations
148	Treating psoriasis by targeting its susceptibility gene Rel. Clinical Immunology, 2016, 165, 47-54.	1.4	22
149	Stimuli-responsive clustered nanoparticles for improved tumor penetration and therapeutic efficacy. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4164-4169.	3.3	617
150	Tracking and quantifying polymer therapeutic distribution on a cellular level using 3D dSTORM. Journal of Controlled Release, 2016, 231, 50-59.	4.8	10
151	An injectable nanoparticle generator enhances delivery of cancer therapeutics. Nature Biotechnology, 2016, 34, 414-418.	9.4	248
152	Computational and experimental approaches for investigating nanoparticle-based drug delivery systems. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1688-1709.	1.4	142
153	Aptamer-integrated DNA nanostructures for biosensing, bioimaging and cancer therapy. Chemical Society Reviews, 2016, 45, 2583-2602.	18.7	513
154	Nanoparticle-Hydrogel: A Hybrid Biomaterial System for Localized Drug Delivery. Annals of Biomedical Engineering, 2016, 44, 2049-2061.	1.3	183
155	Improved Doxorubicin Encapsulation and Pharmacokinetics of Ferritin–Fusion Protein Nanocarriers Bearing Proline, Serine, and Alanine Elements. Biomacromolecules, 2016, 17, 514-522.	2.6	88
156	Reduction-Degradable Polymeric Micelles Decorated with PArg for Improving Anticancer Drug Delivery Efficacy. ACS Applied Materials & Interfaces, 2016, 8, 2193-2203.	4.0	35
157	Nanotechnology in the programmed cell therapy: nowhere to escape of cancer. Science Bulletin, 2016, 61, 45-47.	4.3	6
158	Recent advances in multifunctional silica-based hybrid nanocarriers for bioimaging and cancer therapy. Nanoscale, 2016, 8, 12510-12519.	2.8	75
159	Polymeric nanosystems for near-infrared multispectral photoacoustic imaging: Synthesis, characterization and in vivo evaluation. European Polymer Journal, 2017, 88, 713-723.	2.6	14
160	Dendrimerâ€based nanocarriers: a versatile platform for drug delivery. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1409.	3.3	132
161	Challenges and strategies in anti-cancer nanomedicine development: An industry perspective. Advanced Drug Delivery Reviews, 2017, 108, 25-38.	6.6	881
162	Drug loading and delivery using nanofibers scaffolds. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 881-888.	1.9	60
163	Smart materials on the way to theranostic nanorobots: Molecular machines and nanomotors, advanced biosensors, and intelligent vehicles for drug delivery. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1530-1544.	1.1	61
164	Identification of Receptor Binding to the Biomolecular Corona of Nanoparticles. ACS Nano, 2017, 11, 1884-1893.	7.3	196
165	Self-assembly of green tea catechin derivatives in nanoparticles for oral lycopene delivery. Journal of Controlled Release, 2017, 248, 117-124.	4.8	71

#	Article	IF	CITATIONS
166	Generation-6 hydroxyl PAMAM dendrimers improve CNS penetration from intravenous administration in a large animal brain injury model. Journal of Controlled Release, 2017, 249, 173-182.	4.8	67
167	Nano-biomimetic carriers are implicated in mechanistic evaluation of intracellular gene delivery. Scientific Reports, 2017, 7, 41507.	1.6	33
168	Dual-Responsive Bola-Type Supra-Amphiphile Constructed from Water-Soluble Pillar[5] arene and Naphthalimide-Containing Amphiphile for Intracellular Drug Delivery. ACS Applied Materials & Samp; Interfaces, 2017, 9, 4843-4850.	4.0	75
169	A rapid screening method to evaluate the impact of nanoparticles on macrophages. Nanoscale, 2017, 9, 2492-2504.	2.8	16
170	Manipulation and Motion of Organelles and Single Molecules in Living Cells. Chemical Reviews, 2017, 117, 4342-4375.	23.0	196
171	Lactoferrin-modified nanoparticles loaded with potent antioxidant Mn-porphyrins exhibit enhanced antioxidative activity in vitro intranasal brain delivery model. Journal of Materials Chemistry B, 2017, 5, 1765-1771.	2.9	8
172	Near-infrared fluorophores for biomedical imaging. Nature Biomedical Engineering, 2017, 1, .	11.6	1,982
173	Yeast Microcapsule-Mediated Targeted Delivery of Diverse Nanoparticles for Imaging and Therapy via the Oral Route. Nano Letters, 2017, 17, 1056-1064.	4.5	101
174	IR780-loaded TPGS-TOS micelles for breast cancer photodynamic therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 113, 108-117.	2.0	78
175	Bottom-up synthesis of carbon nanoparticles with higher doxorubicin efficacy. Journal of Controlled Release, 2017, 248, 144-152.	4.8	51
176	Neuroendocrine Tumorâ€Targeted Upconversion Nanoparticleâ€Based Micelles for Simultaneous NIRâ€Controlled Combination Chemotherapy and Photodynamic Therapy, and Fluorescence Imaging. Advanced Functional Materials, 2017, 27, 1604671.	7.8	138
177	A Stepâ€byâ€Step Multiple Stimuliâ€Responsive Nanoplatform for Enhancing Combined Chemoâ€Photodynamic Therapy. Advanced Materials, 2017, 29, 1605357.	11.1	168
178	GSH-triggered size increase of porphyrin-containing nanosystems for enhanced retention and photodynamic activity. Journal of Materials Chemistry B, 2017, 5, 4470-4477.	2.9	18
179	Rabies Virusâ€Inspired Silicaâ€Coated Gold Nanorods as a Photothermal Therapeutic Platform for Treating Brain Tumors. Advanced Materials, 2017, 29, 1605563.	11.1	193
180	Positioning metal-organic framework nanoparticles within the context of drug delivery – A comparison with mesoporous silica nanoparticles and dendrimers. Biomaterials, 2017, 123, 172-183.	5.7	221
181	A Biohybrid Lurker-to-Attacker Strategy To Solve Inherent Dilemma of Positively Charged Delivery Nanoparticles. Chemistry of Materials, 2017, 29, 2227-2231.	3.2	20
182	Boosting the therapeutic efficiency of nanovectors: exocytosis engineering. Nanoscale, 2017, 9, 3757-3765.	2.8	8
183	Colloidal capsules: nano- and microcapsules with colloidal particle shells. Chemical Society Reviews, 2017, 46, 2091-2126.	18.7	246

#	ARTICLE	IF	CITATIONS
184	How can nano-delivery systems selectively kill cancerous cells?. Therapeutic Delivery, 2017, 8, 171-173.	1.2	1
185	Rational Design of Cancer Nanomedicine: Nanoproperty Integration and Synchronization. Advanced Materials, 2017, 29, 1606628.	11.1	771
186	Biocompatible, Multiresponsive Nanogel Composites for Codelivery of Antiangiogenic and Chemotherapeutic Agents. Chemistry of Materials, 2017, 29, 2303-2313.	3.2	29
187	Engineered polymeric nanoparticles to guide the cellular internalization and trafficking of small interfering ribonucleic acids. Journal of Controlled Release, 2017, 259, 3-15.	4.8	33
188	High-resolution imaging of living mammalian cells bound by nanobeads-connected antibodies in a medium using scanning electron-assisted dielectric microscopy. Scientific Reports, 2017, 7, 43025.	1.6	17
189	Chelatorâ€Free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. Angewandte Chemie, 2017, 129, 2935-2938.	1.6	9
190	Silencing câ€Rel in macrophages dampens Th1 and Th17 immune responses and alleviates experimental autoimmune encephalomyelitis in mice. Immunology and Cell Biology, 2017, 95, 593-600.	1.0	27
191	Electroporation for nanomedicine: a review. Journal of Materials Chemistry B, 2017, 5, 2726-2738.	2.9	72
192	Piloting Your Nanovehicle to Overcome Biological Barriers. Methods in Molecular Biology, 2017, 1530, 139-145.	0.4	0
193	Engineering approaches in siRNA delivery. International Journal of Pharmaceutics, 2017, 525, 343-358.	2.6	21
194	Radiolabelled Polymeric Materials for Imaging and Treatment of Cancer: Quo Vadis?. Advanced Healthcare Materials, 2017, 6, 1601115.	3.9	38
195	Papain-functionalized gold nanoparticles as heterogeneous biocatalyst for bioanalysis and biopharmaceuticals analysis. Analytica Chimica Acta, 2017, 963, 33-43.	2.6	22
196	Real-time liver uptake and biodistribution of magnetic nanoparticles determined by AC biosusceptometry. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1519-1529.	1.7	34
197	Surface-coated polycaprolactone nanoparticles with pharmaceutical application: Structural and molecular mobility evaluation by TD-NMR. Polymer Testing, 2017, 60, 39-48.	2.3	39
198	Ultrasound-Induced Magnetic Imaging of Tumors Targeted by Biofunctional Magnetic Nanoparticles. ACS Nano, 2017, 11, 3030-3037.	7.3	18
199	Folate-mediated chemotherapy and diagnostics: An updated review and outlook. Journal of Controlled Release, 2017, 252, 73-82.	4.8	85
200	Semiconducting polymer dots with bright narrow-band emission at 800 nm for biological applications. Chemical Science, 2017, 8, 3390-3398.	3.7	67
201	Barcoded nanoparticles for high throughput in vivo discovery of targeted therapeutics. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2060-2065.	3.3	185

#	Article	IF	Citations
202	Self-assembled nano-balls released from multistage vector for cancer therapy. Nanotechnology, 2017, 28, 122501.	1.3	0
203	Chelatorâ€Free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. Angewandte Chemie - International Edition, 2017, 56, 2889-2892.	7.2	65
204	Molecular communication for drug delivery systems: A survey. Nano Communication Networks, 2017, 11, 90-102.	1.6	56
205	An overview of nanofiber-based antibacterial drug design. Expert Opinion on Drug Discovery, 2017, 12, 391-406.	2.5	45
206	The dynamics of magnetic nanoparticles exposed to non-heating alternating magnetic field in biochemical applications: theoretical study. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	23
207	Encapsulation of Gadolinium Oxide Nanoparticle (Gd ₂ O ₃) Contrasting Agents in PAMAM Dendrimer Templates for Enhanced Magnetic Resonance Imaging <i>in Vivo</i> ACS Applied Materials & Acceptable (Acceptable 1988) Acceptable (Barana) Acceptable (B	4.0	78
208	Designing nanomedicine for immuno-oncology. Nature Biomedical Engineering, 2017, 1, .	11.6	178
209	Biomimetic shear stress and nanoparticulate drug delivery. Journal of Pharmaceutical Investigation, 2017, 47, 133-139.	2.7	9
210	Controlling the morphology of copolymeric vectors for next generation nanomedicine. Journal of Controlled Release, 2017, 259, 29-39.	4.8	39
211	Investigation into the Biological Impact of Block Size on Cathepsin S-Degradable HPMA Copolymers. Molecular Pharmaceutics, 2017, 14, 1405-1417.	2.3	10
212	Host Materials Transformable in Tumor Microenvironment for Homing Theranostics. Advanced Materials, 2017, 29, 1605869.	11.1	121
213	Mitoxantrone- and Folate-TPGS2k Conjugate Hybrid Micellar Aggregates To Circumvent Toxicity and Enhance Efficiency for Breast Cancer Therapy. Molecular Pharmaceutics, 2017, 14, 1082-1094.	2.3	18
214	Carbon Nanotubes Disrupt Iron Homeostasis and Induce Anemia of Inflammation through Inflammatory Pathway as a Secondary Effect Distant to Their Portalâ€ofâ€Entry. Small, 2017, 13, 1603830.	5.2	23
215	Tracking short-term biodistribution and long-term clearance of SPIO tracers in magnetic particle imaging. Physics in Medicine and Biology, 2017, 62, 3440-3453.	1.6	53
216	An evaluation of colloidal and crystalline properties of CaCO 3 nanoparticles for biological applications. Materials Science and Engineering C, 2017, 78, 305-314.	3.8	39
217	PEGylated Nanoemulsions for Oral Delivery: Role of the Inner Core on the Final Fate of the Formulation. Langmuir, 2017, 33, 4269-4279.	1.6	20
218	Intrinsic functional and architectonic heterogeneity of tumor-targeted protein nanoparticles. Nanoscale, 2017, 9, 6427-6435.	2.8	21
219	Tumor Acidity/NIR Controlled Interaction of Transformable Nanoparticle with Biological Systems for Cancer Therapy. Nano Letters, 2017, 17, 2871-2878.	4.5	111

#	Article	IF	CITATIONS
220	Exerting Enhanced Permeability and Retention Effect Driven Delivery by Ultrafine Iron Oxide Nanoparticles with $\langle i \rangle T \langle i \rangle \langle sub \rangle \hat{a} \in (i \rangle T \langle i \rangle \langle sub \rangle 2 \langle sub \rangle S$ witchable Magnetic Resonance Imaging Contrast. ACS Nano, 2017, 11, 4582-4592.	7.3	182
221	Toward redesigning the PEG surface of nanocarriers for tumor targeting: impact of inner functionalities on size, charge, multivalent binding, and biodistribution. Chemical Science, 2017, 8, 5186-5195.	3.7	5
222	Dual 7-ethyl-10-hydroxycamptothecin conjugated phospholipid prodrug assembled liposomes with in vitro anticancer effects. Bioorganic and Medicinal Chemistry, 2017, 25, 3247-3258.	1.4	33
223	Nanotechnology based therapeutic modality to boost anti-tumor immunity and collapse tumor defense. Journal of Controlled Release, 2017, 256, 26-45.	4.8	41
224	Functional manganese dioxide nanosheet for targeted photodynamic therapy and bioimaging <i>in vitro</i> and <i>in vivo</i> . 2D Materials, 2017, 4, 025069.	2.0	29
225	Quantitative microscopy-based measurements of circulating nanoparticle concentration using microliter blood volumes. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1863-1867.	1.7	6
226	Coordinating Biointeraction and Bioreaction of a Nanocarrier Material and an Anticancer Drug to Overcome Membrane Rigidity and Target Mitochondria in Multidrugâ€Resistant Cancer Cells. Advanced Functional Materials, 2017, 27, 1700804.	7.8	29
227	Self-assembly of amphiphilic tripeptides with sequence-dependent nanostructure. Biomaterials Science, 2017, 5, 1526-1530.	2.6	27
228	The impact of microfluidic mixing of triblock micelleplexes on <i>in vitro</i> \$/\$ <i>in vivo</i> gene silencing and intracellular trafficking. Nanotechnology, 2017, 28, 224001.	1.3	20
229	Evaluation of lipid-stabilised tripropionin nanodroplets as a delivery route for combretastatin A4. International Journal of Pharmaceutics, 2017, 526, 547-555.	2.6	13
230	Chemotherapeutic drug-photothermal agent co-self-assembling nanoparticles for near-infrared fluorescence and photoacoustic dual-modal imaging-guided chemo-photothermal synergistic therapy. Journal of Controlled Release, 2017, 258, 95-107.	4.8	207
231	Inhibition of Human Serum Albumin Fibrillation by Two-Dimensional Nanoparticles. Journal of Physical Chemistry B, 2017, 121, 5474-5482.	1.2	34
232	Multicellular tumor spheroids: a relevant 3D model for the in vitro preclinical investigation of polymer nanomedicines. Polymer Chemistry, 2017, 8, 4947-4969.	1.9	161
233	Applying nanomedicine in maladaptive inflammation and angiogenesis. Advanced Drug Delivery Reviews, 2017, 119, 143-158.	6.6	46
234	Protein Corona Formation on Colloidal Polymeric Nanoparticles and Polymeric Nanogels: Impact on Cellular Uptake, Toxicity, Immunogenicity, and Drug Release Properties. Biomacromolecules, 2017, 18, 1762-1771.	2.6	98
235	Yeast capsules for targeted delivery: the future of nanotherapy?. Nanomedicine, 2017, 12, 955-957.	1.7	7
236	Surface design of magnetic nanoparticles for stimuli-responsive cancer imaging and therapy. Biomaterials, 2017, 136, 98-114.	5.7	244
237	Peptide and antibody ligands for renal targeting: nanomedicine strategies for kidney disease. Biomaterials Science, 2017, 5, 1450-1459.	2.6	69

#	Article	IF	CITATIONS
238	Rethinking cancer nanotheranostics. Nature Reviews Materials, 2017, 2, .	23.3	860
239	Laser-Activated Polymeric Microcapsules for Ultrasound Imaging and Therapy: InÂVitro Feasibility. Biophysical Journal, 2017, 112, 1894-1907.	0.2	5
240	Bioactivity of Ag Nanoclusters Capped with Crude Protein Extracts from the Sea Anemone Heteractis magnifica. BioNanoScience, 2017, 7, 501-507.	1.5	2
241	Smart chemistry-based nanosized drug delivery systems for systemic applications: A comprehensive review. Journal of Controlled Release, 2017, 258, 226-253.	4.8	309
242	Gelatin-albumin hybrid nanoparticles as matrix metalloproteinases-degradable delivery systems for breast cancer therapy. Nanomedicine, 2017, 12, 977-989.	1.7	15
243	Towards clinically translatable in vivo nanodiagnostics. Nature Reviews Materials, 2017, 2, .	23.3	255
244	Magnetic-Silk Core–Shell Nanoparticles as Potential Carriers for Targeted Delivery of Curcumin into Human Breast Cancer Cells. ACS Biomaterials Science and Engineering, 2017, 3, 1027-1038.	2.6	75
245	Vectorized nanodelivery systems for ischemic stroke: a concept and a need. Journal of Nanobiotechnology, 2017, 15, 30.	4.2	24
246	Prolonged circulation and increased tumor accumulation of liposomal vincristine in a mouse model of rhabdomyosarcoma. Nanomedicine, 2017, 12, 1135-1151.	1.7	13
247	Progress in tumor-associated macrophage (TAM)-targeted therapeutics. Advanced Drug Delivery Reviews, 2017, 114, 206-221.	6.6	528
248	Pulmonary surfactant and nanocarriers: Toxicity versus combined nanomedical applications. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 1740-1748.	1.4	82
249	High-Throughput Quantification of Nanoparticle Degradation Using Computational Microscopy and Its Application to Drug Delivery Nanocapsules. ACS Photonics, 2017, 4, 1216-1224.	3.2	17
250	Nanodiamond-enhanced MRI via in situ hyperpolarization. Nature Communications, 2017, 8, 15118.	5.8	74
252	Microfluidic-assisted fabrication of carriers for controlled drug delivery. Lab on A Chip, 2017, 17, 1856-1883.	3.1	183
253	Fluorinated polymer–photosensitizer conjugates enable improved generation of ROS for anticancer photodynamic therapy. Polymer Chemistry, 2017, 8, 3195-3202.	1.9	27
254	Effect of partial PEGylation on particle uptake by macrophages. Nanoscale, 2017, 9, 288-297.	2.8	81
255	Magnetic hyperthermia and pH-responsive effective drug delivery to the sub-cellular level of human breast cancer cells by modified CoFe2O4 nanoparticles. Biochimie, 2017, 133, 7-19.	1.3	63
256	Design of nanocarriers for nanoscale drug delivery to enhance cancer treatment using hybrid polymer and lipid building blocks. Nanoscale, 2017, 9, 1334-1355.	2.8	132

#	Article	IF	Citations
257	Combination therapy with doxorubicin-loaded galactosylated poly(ethyleneglycol)-lithocholic acid to suppress the tumor growth in an orthotopic mouse model of liver cancer. Biomaterials, 2017, 116, 130-144.	5.7	39
258	Atomic Force Microscopy in Characterizing Cell Mechanics for Biomedical Applications: A Review. IEEE Transactions on Nanobioscience, 2017, 16, 523-540.	2.2	88
259	Hydrogels incorporated with silver nanocolloids prepared from antioxidant rich Aerva javanica as disruptive agents against burn wound infections. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 529, 475-486.	2.3	28
260	The synthesis of tamoxifen-loaded albumin nanoparticles by homogenizers: Optimization and inÂvitro characterization. Journal of Drug Delivery Science and Technology, 2017, 41, 20-30.	1.4	7
261	Long-pulse laser launch and ionization of tailored large neutral silver nanoparticles with atomic mass assignment. Nanoscale, 2017, 9, 9175-9180.	2.8	2
262	Evolution of the scientific literature on drug delivery: A 1974–2015 bibliometric study. Journal of Controlled Release, 2017, 260, 226-233.	4.8	24
263	Bioinorganic antimicrobial strategies in the resistance era. Coordination Chemistry Reviews, 2017, 351, 76-117.	9.5	124
264	Shedding light on zwitterionic magnetic nanoparticles: limitations for in vivo applications. Nanoscale, 2017, 9, 8176-8184.	2.8	26
265	Selective targeting and therapy of metastatic and multidrug resistant tumors using a long circulating podophyllotoxin nanoparticle. Biomaterials, 2017, 137, 11-22.	5.7	35
266	Controlling Structure and Function of Polymeric Drug Delivery Nanoparticles Using Microfluidics. Molecular Pharmaceutics, 2017, 14, 2595-2606.	2.3	33
267	Molecular Communication and Nanonetwork for Targeted Drug Delivery: A Survey. IEEE Communications Surveys and Tutorials, 2017, 19, 3046-3096.	24.8	127
268	Probing Bio-Nano Interactions with Templated Polymer Particles. CheM, 2017, 2, 606-607.	5.8	5
269	Well-defined single-chain polymer nanoparticles via thiol-Michael addition. Polymer, 2017, 120, 119-128.	1.8	23
270	Alpha Particle Enhanced Blood Brain/Tumor Barrier Permeabilization in Glioblastomas Using Integrin Alpha-v Beta-3–Targeted Liposomes. Molecular Cancer Therapeutics, 2017, 16, 2191-2200.	1.9	28
271	Bioengineering strategies for inducing tolerance in autoimmune diabetes. Advanced Drug Delivery Reviews, 2017, 114, 256-265.	6.6	19
272	Near-Infrared Heptamethine Cyanine Based Iron Oxide Nanoparticles for Tumor Targeted Multimodal Imaging and Photothermal Therapy. Scientific Reports, 2017, 7, 2108.	1.6	41
273	Nanomedicine for prostate cancer using nanoemulsion: A review. Journal of Controlled Release, 2017, 260, 111-123.	4.8	38
274	Lowâ€Cost Zeta Potentiometry Using Solute Gradients. Advanced Materials, 2017, 29, 1701516.	11.1	52

#	Article	IF	CITATIONS
275	Comprehensive study of the drug delivery properties of poly(I -lactide)-poly(ethylene glycol) nanoparticles in rats and tumor-bearing mice. Journal of Controlled Release, 2017, 261, 31-42.	4.8	53
276	Extra- and intra-cellular fate of nanocarriers under dynamic interactions with biology. Nano Today, 2017, 14, 84-99.	6.2	42
277	Nanomaterial-Enabled Cancer Therapy. Molecular Therapy, 2017, 25, 1501-1513.	3.7	110
278	Nanomaterials engineering for drug delivery: a hybridization approach. Journal of Materials Chemistry B, 2017, 5, 3995-4018.	2.9	96
279	Surface charge and particle size determine the metabolic fate of dendritic polyglycerols. Nanoscale, 2017, 9, 8723-8739.	2.8	20
281	Cyanine based Nanoprobes for Cancer Theranostics. Advanced Healthcare Materials, 2017, 6, 1700262.	3.9	65
282	Intravenous and intratumoral injection of Pluronic P94: The effect of administration route on biodistribution and tumor retention. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 2179-2188.	1.7	8
283	Y3+ embedded in polymeric nanoparticles: Morphology, dimension and stability of composite colloidal system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 532, 125-131.	2.3	20
284	Radiobiology and the Renewed Potential for Nanoparticles. International Journal of Radiation Oncology Biology Physics, 2017, 98, 489-491.	0.4	5
285	Efficient Codelivery of Paclitaxel and Curcumin by Novel Bottlebrush Copolymer-based Micelles. Molecular Pharmaceutics, 2017, 14, 2378-2389.	2.3	60
286	ECM Mechano-Sensing Regulates Cytoskeleton Assembly and Receptor-Mediated Endocytosis of Nanoparticles. ACS Biomaterials Science and Engineering, 2017, 3, 1586-1594.	2.6	19
287	Diruthenium(<scp>ii</scp> , <scp>iii</scp>) metallodrugs of ibuprofen and naproxen encapsulated in intravenously injectable polymer–lipid nanoparticles exhibit enhanced activity against breast and prostate cancer cells. Nanoscale, 2017, 9, 10701-10714.	2.8	53
288	Activated Surface Chargeâ€Reversal Manganese Oxide Nanocubes with High Surfaceâ€toâ€Volume Ratio for Accurate Magnetic Resonance Tumor Imaging. Advanced Functional Materials, 2017, 27, 1700978.	7.8	53
289	Distinct ON/OFF fluorescence signals from dual-responsive activatable nanoprobes allows detection of inflammation with improved contrast. Biomaterials, 2017, 133, 119-131.	5.7	28
290	Selective intracellular vaporisation of antibody-conjugated phase-change nano-droplets in vitro. Scientific Reports, 2017, 7, 44077.	1.6	25
291	Silica-encapsulated gold nanoparticle dimers for organelle-targeted cellular delivery. Chemical Communications, 2017, 53, 5009-5012.	2.2	9
292	Programmed Multiresponsive Vesicles for Enhanced Tumor Penetration and Combination Therapy of Tripleâ€Negative Breast Cancer. Advanced Functional Materials, 2017, 27, 1606530.	7.8	80
293	Effect of amphoteric dispersant on the dispersion properties of nanoâ€ <scp>S</scp> i <scp>O</scp> ₂ particles. Journal of Applied Polymer Science, 2017, 134, 45075.	1.3	11

#	Article	IF	CITATIONS
294	Design and evaluation of a phospholipase D based drug delivery strategy of novel phosphatidyl-prodrug. Biomaterials, 2017, 131, 1-14.	5.7	21
295	Redox/pH dual-sensitive hybrid micelles for targeting delivery and overcoming multidrug resistance of cancer. Journal of Materials Chemistry B, 2017, 5, 2964-2978.	2.9	34
296	Biomimetic and bioinspired nanoparticles for targeted drug delivery. Therapeutic Delivery, 2017, 8, 289-299.	1.2	37
297	Drug and Gene Delivery Materials andÂDevices. , 2017, , 375-392.		1
298	Polymeric nanoparticles as cancer-specific DNA delivery vectors to human hepatocellular carcinoma. Journal of Controlled Release, 2017, 263, 18-28.	4.8	51
299	Cancerâ∈Associated, Stimuliâ∈Driven, Turn on Theranostics for Multimodality Imaging and Therapy. Advanced Materials, 2017, 29, 1606857.	11.1	290
300	A new opportunity for nanomedicines: Micellar cytochrome P450 inhibitors to improve drug efficacy in a cancer therapy model. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 1715-1723.	1.7	2
301	Using single nanoparticle tracking obtained by nanophotonic force microscopy to simultaneously characterize nanoparticle size distribution and nanoparticle–surface interactions. Nanoscale, 2017, 9, 4524-4535.	2.8	7
302	Antibodies and associates: Partners in targeted drug delivery. , 2017, 177, 129-145.		52
303	Phenylboronic acid-incorporated elastin-like polypeptide nanoparticle drug delivery systems. Polymer Chemistry, 2017, 8, 2105-2114.	1.9	19
304	Optical Surgical Navigation for Precision in Tumor Resections. Molecular Imaging and Biology, 2017, 19, 357-362.	1.3	47
305	Biomedical and Catalytic Opportunities of Virus-Like Particles in Nanotechnology. Advances in Virus Research, 2017, 97, 1-60.	0.9	82
306	Dual-sensitive and biodegradable core-crosslinked HPMA copolymer–doxorubicin conjugate-based nanoparticles for cancer therapy. Polymer Chemistry, 2017, 8, 2370-2380.	1.9	25
307	Novel Application of Localized Nanodelivery of Anti-Interleukin-6 Protects Organ Transplant From Ischemia-Reperfusion Injuries. American Journal of Transplantation, 2017, 17, 2326-2337.	2.6	30
308	Gold nanoparticles, radiations and the immune system: Current insights into the physical mechanisms and the biological interactions of this new alliance towards cancer therapy. , 2017, 178, 1-17.		59
309	Strategies to Improve Cancer Photothermal Therapy Mediated by Nanomaterials. Advanced Healthcare Materials, 2017, 6, 1700073.	3.9	205
310	Data-based modeling of drug penetration relates human skin barrier function to the interplay of diffusivity and free-energy profiles. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3631-3636.	3.3	47
311	Nanogels for intracellular delivery of biotherapeutics. Journal of Controlled Release, 2017, 259, 16-28.	4.8	116

#	Article	IF	Citations
312	Virusâ€like particles: Nextâ€generation nanoparticles for targeted therapeutic delivery. Bioengineering and Translational Medicine, 2017, 2, 43-57.	3.9	256
313	Synthetic vs Natural: Diatoms Bioderived Porous Materials for the Next Generation of Healthcare Nanodevices. Advanced Healthcare Materials, 2017, 6, 1601125.	3.9	47
314	Albumin-coated nanocrystals for carrier-free delivery of paclitaxel. Journal of Controlled Release, 2017, 263, 90-101.	4.8	75
315	PEGylated and Functionalized Aliphatic Polycarbonate Polyplex Nanoparticles for Intravenous Administration of HDAC5 siRNA in Cancer Therapy. ACS Applied Materials & Interfaces, 2017, 9, 2181-2195.	4.0	21
316	Interactions between circulating nanoengineered polymer particles and extracellular matrix components in vitro. Biomaterials Science, 2017, 5, 267-273.	2.6	11
317	Controllably Switched Drug Release from Successively Dual†argeted Nanoreservoirs. Advanced Healthcare Materials, 2017, 6, 1600919.	3.9	18
318	Tissue factor-specific ultra-bright SERRS nanostars for Raman detection of pulmonary micrometastases. Nanoscale, 2017, 9, 1110-1119.	2.8	41
319	Post-nano strategies for drug delivery: multistage porous silicon microvectors. Journal of Materials Chemistry B, 2017, 5, 207-219.	2.9	47
320	Magnetic Nanoliposomes as <i>in Situ</i> Microbubble Bombers for Multimodality Image-Guided Cancer Theranostics. ACS Nano, 2017, 11, 1509-1519.	7.3	112
321	Lithography-based methods to manufacture biomaterials at small scales. Journal of Science: Advanced Materials and Devices, 2017, 2, 1-14.	1.5	84
322	Elucidation of the Physicochemical Properties Ruling the Colloidal Stability of Iron Oxide Nanoparticles under Physiological Conditions. ChemNanoMat, 2017, 3, 183-189.	1.5	16
323	Optical and Magnetic Resonance Imaging Using Fluorous Colloidal Nanoparticles. Biomacromolecules, 2017, 18, 103-112.	2.6	29
324	Bioconjugated Nanoparticles for Biosensing, in Vivo Imaging, and Medical Diagnostics. Analytical Chemistry, 2017, 89, 1015-1031.	3.2	120
325	Oneâ€Step Microfluidic Synthesis of Nanocomplex with Tunable Rigidity and Acidâ€Switchable Surface Charge for Overcoming Drug Resistance. Small, 2017, 13, 1603109.	5. 2	56
326	Partial PEGylation of superparamagnetic iron oxide nanoparticles thinly coated with amine-silane as a source of ultrastable tunable nanosystems for biomedical applications. Nanoscale, 2017, 9, 812-822.	2.8	34
327	Bioinspired Coordination Micelles Integrating High Stability, Triggered Cargo Release, and Magnetic Resonance Imaging. ACS Applied Materials & Samp; Interfaces, 2017, 9, 80-91.	4.0	54
330	Importance of Evaluating Dynamic Encapsulation Stability of Amphiphilic Assemblies in Serum. Biomacromolecules, 2017, 18, 4163-4170.	2.6	16
331	A novel high drug loading mussel-inspired polydopamine hybrid nanoparticle as a pH-sensitive vehicle for drug delivery. International Journal of Pharmaceutics, 2017, 533, 73-83.	2.6	18

#	Article	IF	Citations
332	Recent advances in nanocarrier-loaded gels: Which drug delivery technologies against which diseases?. Journal of Controlled Release, 2017, 266, 140-155.	4.8	56
333	Evolution of ternary l–Ill–VI QDs: Synthesis, characterization and application. Nano Structures Nano Objects, 2017, 12, 46-56.	1.9	75
334	Enhancing cancer immunotherapy through nanotechnology-mediated tumor infiltration and activation of immune cells. Seminars in Immunology, 2017, 34, 114-122.	2.7	29
335	Nose to Brain Delivery of Rivastigmine by In Situ Gelling Cationic Nanostructured Lipid Carriers: Enhanced Brain Distribution and Pharmacodynamics. Journal of Pharmaceutical Sciences, 2017, 106, 3613-3622.	1.6	68
336	Reversible core-crosslinked nanocarriers with pH-modulated targeting and redox-controlled drug release for overcoming drug resistance. Journal of Materials Chemistry B, 2017, 5, 8399-8407.	2.9	8
337	Redox-triggered activation of nanocarriers for mitochondria-targeting cancer chemotherapy. Nanoscale, 2017, 9, 17044-17053.	2.8	52
338	Active Antioxidizing Particles for On-Demand Pressure-Driven Molecular Release. ACS Applied Materials & Samp; Interfaces, 2017, 9, 35642-35650.	4.0	16
339	Synthesis, Functionalization, and Design of Magnetic Nanoparticles for Theranostic Applications. Advanced Healthcare Materials, 2017, 6, 1700306.	3.9	176
340	Brain grants permission of access to Zika virus but denies entry to drugs: a molecular modeling perspective to infiltrate the boundary. RSC Advances, 2017, 7, 47416-47424.	1.7	6
341	Thioaptamer targeted discoidal microparticles increase self immunity and reduce Mycobacterium tuberculosis burden in mice. Journal of Controlled Release, 2017, 266, 238-247.	4.8	16
342	NIR light-activated dual-modality cancer therapy mediated by photochemical internalization of porous nanocarriers with tethered lipid bilayers. Journal of Materials Chemistry B, 2017, 5, 8289-8298.	2.9	19
343	ATP and NADPH coated iron oxide nanoparticles for targeting of highly metabolic tumor cells. Journal of Materials Chemistry B, 2017, 5, 8353-8365.	2.9	6
344	cRGD/TAT Dual-Ligand Reversibly Cross-Linked Micelles Loaded with Docetaxel Penetrate Deeply into Tumor Tissue and Show High Antitumor Efficacy in Vivo. ACS Applied Materials & Samp; Interfaces, 2017, 9, 35651-35663.	4.0	48
345	Suppressing Nanoparticle-Mononuclear Phagocyte System Interactions of Two-Dimensional Gold Nanorings for Improved Tumor Accumulation and Photothermal Ablation of Tumors. ACS Nano, 2017, 11, 10539-10548.	7.3	117
346	Exploiting homing abilities of cell carriers: Targeted delivery of nanoparticles for cancer therapy. Biochemical Pharmacology, 2017, 145, 18-26.	2.0	25
347	Small molecules convey big messages: Boosting non-viral nucleic acid delivery with low molecular weight drugs. Nano Today, 2017, 16, 14-29.	6.2	15
348	Drug Delivery to the Brain across the Blood–Brain Barrier Using Nanomaterials. Small, 2017, 13, 1701921.	5. 2	164
349	Tumor regression and modulation of gene expression via tumor-targeted tocotrienol niosomes. Nanomedicine, 2017, 12, 2487-2502.	1.7	13

#	Article	IF	Citations
350	Programmed Nanococktail Based on pH-Responsive Function Switch for Self-Synergistic Tumor-Targeting Therapy. ACS Applied Materials & Samp; Interfaces, 2017, 9, 39127-39142.	4.0	30
351	Fluorescence-labeled liposome accumulation in injured colon of a mouse model of T-cell transfer-mediated inflammatory bowel disease. Biochemical and Biophysical Research Communications, 2017, 494, 188-193.	1.0	18
352	Simultaneously overcome tumor vascular endothelium and extracellular matrix barriers via a non-destructive size-controlled nanomedicine. Journal of Controlled Release, 2017, 268, 225-236.	4.8	34
353	Current Strategies for the Delivery of Therapeutic Proteins and Enzymes to Treat Brain Disorders. International Review of Neurobiology, 2017, 137, 1-28.	0.9	27
354	Formation of the Protein Corona: The Interface between Nanoparticles and the Immune System. Seminars in Immunology, 2017, 34, 52-60.	2.7	191
355	Intracellular Fate of Nanoparticles with Polydopamine Surface Engineering and a Novel Strategy for Exocytosis-Inhibiting, Lysosome Impairment-Based Cancer Therapy. Nano Letters, 2017, 17, 6790-6801.	4.5	143
356	A chloroquine-induced macrophage-preconditioning strategy for improved nanodelivery. Scientific Reports, 2017, 7, 13738.	1.6	105
357	4.38 The Situation of Metal-Organic Frameworks in Biomedicine â ⁻ †., 2017, , 719-749.		12
358	Mesoporous silica nanoparticles with lactose-mediated targeting effect to deliver platinum(<scp>iv</scp>) prodrug for liver cancer therapy. Journal of Materials Chemistry B, 2017, 5, 7591-7597.	2.9	38
359	Bisphosphonate-functionalized coordination polymer nanoparticles for the treatment of bone metastatic breast cancer. Journal of Controlled Release, 2017, 264, 76-88.	4.8	61
360	Drug Delivery Strategies for Platinum-Based Chemotherapy. ACS Nano, 2017, 11, 8560-8578.	7.3	172
361	New Application of Old Material: Chinese Traditional Ink for Photothermal Therapy of Metastatic Lymph Nodes. ACS Omega, 2017, 2, 5170-5178.	1.6	26
362	Form Follows Function: Nanoparticle Shape and Its Implications for Nanomedicine. Chemical Reviews, 2017, 117, 11476-11521.	23.0	464
363	Assessment of halloysite nanotubes as vehicles of isoniazid. Colloids and Surfaces B: Biointerfaces, 2017, 160, 337-344.	2.5	45
364	Responsive polymeric nanoparticles for controlled drug delivery. Polymer International, 2017, 66, 1756-1764.	1.6	18
365	Bridging Bio–Nano Science and Cancer Nanomedicine. ACS Nano, 2017, 11, 9594-9613.	7.3	304
366	Biomimetic Magnetosomes as Versatile Artificial Antigen-Presenting Cells to Potentiate T-Cell-Based Anticancer Therapy. ACS Nano, 2017, 11, 10724-10732.	7.3	150
367	Influence of Size and Shape on the Biodistribution of Nanoparticles Prepared by Polymerization-Induced Self-Assembly. Biomacromolecules, 2017, 18, 3963-3970.	2.6	87

#	Article	IF	CITATIONS
368	Glomerular barrier behaves as an atomically precise bandpass filter in a sub-nanometre regime. Nature Nanotechnology, 2017, 12, 1096-1102.	15.6	408
369	Tumor-associated macrophages, nanomedicine and imaging: the axis of success in the future of cancer immunotherapy. Immunotherapy, 2017, 9, 819-835.	1.0	41
370	Ligand-Targeted Drug Delivery. Chemical Reviews, 2017, 117, 12133-12164.	23.0	408
371	A size bandpass filter. Nature Nanotechnology, 2017, 12, 1023-1025.	15.6	25
372	Facile Oneâ€Pot Synthesis of Intrinsically Radiolabeled ⁶⁴ Cuâ€Human Serum Albumin Nanocomposite for Cancer Targeting. ChemistrySelect, 2017, 2, 8043-8051.	0.7	5
373	Analyses in zebrafish embryos reveal that nanotoxicity profiles are dependent on surface-functionalization controlled penetrance of biological membranes. Scientific Reports, 2017, 7, 8423.	1.6	44
374	Molecular engineering solutions for therapeutic peptide delivery. Chemical Society Reviews, 2017, 46, 6553-6569.	18.7	103
375	Challenges in realizing selectivity for nanoparticle biodistribution and clearance: lessons from gold nanoparticles. Therapeutic Delivery, 2017, 8, 763-774.	1.2	105
376	Novel poly(vinyl alcohol)-based amphiphilic nanogels by non-covalent boric acid crosslinking of polymeric micelles. Biomaterials Science, 2017, 5, 2295-2309.	2.6	25
377	A novel immunization approach for dengue infection based on conserved T cell epitopes formulated in calcium phosphate nanoparticles. Human Vaccines and Immunotherapeutics, 2017, 13, 2612-2625.	1.4	13
378	Multilayered Magnetic Nanobeads for the Delivery of Peptides Molecules Triggered by Intracellular Proteases. ACS Applied Materials & Samp; Interfaces, 2017, 9, 35095-35104.	4.0	9
379	Synthesis, Self-Assembly, and Drug Delivery Characteristics of Poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock Compositions of Hydrophobic Blocks: Combining Chemistry and Microfluidic Processing for	10 Tf 50 3	312 Td (capro 20
	Polymeric Nanomedicines, ACS Omega, 2017, 2, 5289-5303.		
380	Enzyme delivery using protein-stabilizing and cell-penetrating 30Kc19α protein nanoparticles. Process Biochemistry, 2017, 63, 76-83.	1.8	8
381	Gold nanoparticles with patterned surface monolayers for nanomedicine: current perspectives. European Biophysics Journal, 2017, 46, 749-771.	1.2	64
382	Building Stable MMP2-Responsive Multifunctional Polymeric Micelles by an All-in-One Polymer–Lipid Conjugate for Tumor-Targeted Intracellular Drug Delivery. ACS Applied Materials & Delivery. Delivery. ACS Applied Materials & Delivery. ACS App	4.0	60
383	In vivo cation exchange in quantum dots for tumor-specific imaging. Nature Communications, 2017, 8, 343.	5.8	56
384	Nanoparticles target early-stage breast cancer metastasis <i>in vivo</i> . Nanotechnology, 2017, 28, 43LT01.	1.3	33
385	Fracture-Targeted Delivery of Î ² -Catenin Agonists <i>via</i> Peptide-Functionalized Nanoparticles Augments Fracture Healing. ACS Nano, 2017, 11, 9445-9458.	7.3	61

#	Article	IF	CITATIONS
386	Bio-degradable highly fluorescent conjugated polymer nanoparticles for bio-medical imaging applications. Nature Communications, 2017, 8, 470.	5.8	107
387	Programming Cell Adhesion for On-Chip Sequential Boolean Logic Functions. Journal of the American Chemical Society, 2017, 139, 10176-10179.	6.6	103
388	Capture of microparticles by bolus flow of red blood cells in capillaries. Scientific Reports, 2017, 7, 5381.	1.6	22
389	Nanoparticle Surface Functionality Dictates Cellular and Systemic Toxicity. Chemistry of Materials, 2017, 29, 6578-6595.	3.2	99
390	Carrier-free, self-assembled pure drug nanorods composed of 10-hydroxycamptothecin and chlorin e6 for combinatorial chemo-photodynamic antitumor therapy in vivo. Nanoscale, 2017, 9, 14347-14356.	2.8	103
391	Self-assembly of an amphipathic $\hat{l}\pm\hat{l}\pm\hat{l}^2$ -tripeptide into cationic spherical particles for intracellular delivery. Organic and Biomolecular Chemistry, 2017, 15, 6773-6779.	1.5	34
392	Biodistribution and clearance of magnetoelectric nanoparticles for nanomedical applications using energy dispersive spectroscopy. Nanomedicine, 2017, 12, 1801-1822.	1.7	23
393	Particle size affects the cytosolic delivery of membranotropic peptide-functionalized platinum nanozymes. Nanoscale, 2017, 9, 11288-11296.	2.8	23
394	Cancer Nanomedicine: Lessons for Immuno-Oncology. Trends in Cancer, 2017, 3, 551-560.	3.8	42
395	Drugâ€Loaded Multifunctional Nanoparticles Targeted to the Endocardial Layer of the Injured Heart Modulate Hypertrophic Signaling. Small, 2017, 13, 1701276.	5.2	82
396	Enhanced Systemic Anti-Angiogenic siVEGF Delivery Using PEGylated Oligo- <scp>d</scp> -arginine. Molecular Pharmaceutics, 2017, 14, 3059-3068.	2.3	9
397	Cellular uptake of nanoparticles: journey inside the cell. Chemical Society Reviews, 2017, 46, 4218-4244.	18.7	1,709
398	Engineering gold-based radiosensitizers for cancer radiotherapy. Materials Horizons, 2017, 4, 817-831.	6.4	173
399	Seeing the unseen: Imaging rotation in cells with designer anisotropic particles. Micron, 2017, 101, 123-131.	1.1	10
400	Getting Drugs Across Biological Barriers. Advanced Materials, 2017, 29, 1606596.	11.1	149
401	Nanoparticle-Mediated Mechanical Destruction of Cell Membranes: A Coarse-Grained Molecular Dynamics Study. ACS Applied Materials & Study. ACS Applied Mater	4.0	23
402	<i>Ex Vivo</i> Rat Eye Model for Investigating Transport of Next Generation Precision-Polyester Nanosystems. ACS Applied Materials & Samp; Interfaces, 2017, 9, 25668-25671.	4.0	4
403	MDR in cancer: Addressing the underlying cellular alterations with the use of nanocarriers. Pharmacological Research, 2017, 126, 2-30.	3.1	49

#	Article	IF	Citations
404	Physicochemical Characterization of Iron Carbohydrate Colloid Drug Products. AAPS Journal, 2017, 19, 1359-1376.	2.2	22
405	Modified gold-based siRNA nanotherapeutics for targeted therapy of triple-negative breast cancer. Nanomedicine, 2017, 12, 1961-1973.	1.7	30
406	Polyaniline-loaded \hat{I}^3 -polyglutamic acid nanogels as a platform for photoacoustic imaging-guided tumor photothermal therapy. Nanoscale, 2017, 9, 12746-12754.	2.8	62
407	Gaussian process classification of superparamagnetic relaxometry data: Phantom study. Artificial Intelligence in Medicine, 2017, 82, 47-59.	3.8	4
408	The interaction of clozapine loaded nanocapsules with the hCMEC/D3 cells $\hat{a} \in \text{``In vitro model of blood brain barrier. Colloids and Surfaces B: Biointerfaces, 2017, 159, 200-210.}$	2.5	17
409	Mixed micelles based on a pH-sensitive prodrug and TPGS for enhancing drug efficacy against multidrug-resistant cancer cells. Colloids and Surfaces B: Biointerfaces, 2017, 159, 419-426.	2.5	10
410	Nonviral cancer gene therapy: Delivery cascade and vector nanoproperty integration. Advanced Drug Delivery Reviews, 2017, 115, 115-154.	6.6	307
411	Sequential delivery of erlotinib and doxorubicin for enhanced triple negative Breast cancer treatment using polymeric nanoparticle. International Journal of Pharmaceutics, 2017, 530, 300-307.	2.6	45
412	Screening Bioactive Nanoparticles in Phagocytic Immune Cells for Inhibitors of Toll-like Receptor Signaling. Journal of Visualized Experiments, 2017, , .	0.2	4
413	Nanomaterials for the Capture and Therapeutic Targeting of Circulating Tumor Cells. Cellular and Molecular Bioengineering, 2017, 10, 275-294.	1.0	34
414	Design of nanocarriers based on complex biological barriers in vivo for tumor therapy. Nano Today, 2017, 15, 56-90.	6.2	103
415	Bioinspired "Active―Stealth Magneto-Nanomicelles for Theranostics Combining Efficient MRI and Enhanced Drug Delivery. ACS Applied Materials & Samp; Interfaces, 2017, 9, 30502-30509.	4.0	33
416	Non-covalently coated biopolymeric nanoparticles for improved tamoxifen delivery. European Polymer Journal, 2017, 95, 348-357.	2.6	21
417	Organic Nanoparticle-Based Combinatory Approaches for Gene Therapy. Trends in Biotechnology, 2017, 35, 1121-1124.	4.9	26
418	Tumour-vessel-on-a-chip models for drug delivery. Lab on A Chip, 2017, 17, 3760-3771.	3.1	68
419	Reducing Interstitial Fluid Pressure and Inhibiting Pulmonary Metastasis of Breast Cancer by Gelatin Modified Cationic Lipid Nanoparticles. ACS Applied Materials & Samp; Interfaces, 2017, 9, 29457-29468.	4.0	66
420	Time-sequenced drug delivery approaches towards effective chemotherapeutic treatment of glioma. Materials Horizons, 2017, 4, 977-996.	6.4	14
421	Radiosensitization by gold nanoparticles: Will they ever make it to the clinic?. Radiotherapy and Oncology, 2017, 124, 344-356.	0.3	122

#	Article	IF	CITATIONS
422	Cathepsin-Mediated Cleavage of Peptides from Peptide Amphiphiles Leads to Enhanced Intracellular Peptide Accumulation. Bioconjugate Chemistry, 2017, 28, 2316-2326.	1.8	23
423	Amphiphilic PEGylated Lanthanide-Doped Upconversion Nanoparticles for Significantly Passive Accumulation in the Peritoneal Metastatic Carcinomatosis Models Following Intraperitoneal Administration. ACS Biomaterials Science and Engineering, 2017, 3, 2176-2184.	2.6	11
424	Combined photothermal-chemotherapy of breast cancer by near infrared light responsive hyaluronic acid-decorated nanostructured lipid carriers. Nanotechnology, 2017, 28, 435102.	1.3	14
425	Hierarchical porous calcium carbonate microspheres as drug delivery vector. Progress in Natural Science: Materials International, 2017, 27, 674-677.	1.8	30
426	Strategies for Functionalizing Lipoprotein-Based Nanoparticles. ACS Symposium Series, 2017, , 131-150.	0.5	1
427	Surveillance nanotechnology for multi-organ cancer metastases. Nature Biomedical Engineering, 2017, 1, 993-1003.	11.6	51
428	Near-Infrared Plasmonic Assemblies of Gold Nanoparticles with Multimodal Function for Targeted Cancer Theragnosis. Scientific Reports, 2017, 7, 17327.	1.6	39
429	Supramolecular Nanomedicine Constructed from Cucurbit[8]uril-Based Amphiphilic Brush Copolymer for Cancer Therapy. ACS Applied Materials & Samp; Interfaces, 2017, 9, 44392-44401.	4.0	71
430	Effective in vivo gene delivery with reduced toxicity, achieved by charge and fatty acid -modified cell penetrating peptide. Scientific Reports, 2017, 7, 17056.	1.6	39
431	Nanoparticles: "magic bullets―for targeting the immune system. Seminars in Immunology, 2017, 34, 1-2.	2.7	6
432	Nanoparticle core stability and surface functionalization drive the mTOR signaling pathway in hepatocellular cell lines. Scientific Reports, 2017, 7, 16049.	1.6	38
433	A Substrate-Selective Enzyme-Catalysis Assembly Strategy for Oligopeptide Hydrogel-Assisted Combinatorial Protein Delivery. Nano Letters, 2017, 17, 7447-7454.	4.5	40
434	Co-delivery of gambogic acid and TRAIL plasmid by hyaluronic acid grafted PEI-PLGA nanoparticles for the treatment of triple negative breast cancer. Drug Delivery, 2017, 24, 1791-1800.	2.5	44
435	Nanoparticle targeting to the endothelium during normothermic machine perfusion of human kidneys. Science Translational Medicine, 2017, 9, .	5.8	104
436	Magnetic Sensing Potential of Fe ₃ O ₄ Nanocubes Exceeds That of Fe ₃ O ₄ Nanospheres. ACS Omega, 2017, 2, 8010-8019.	1.6	37
437	Novel Gd-Loaded Silicon Nanohybrid: A Potential Epidermal Growth Factor Receptor Expressing Cancer Cell Targeting Magnetic Resonance Imaging Contrast Agent. ACS Applied Materials & Linterfaces, 2017, 9, 42601-42611.	4.0	20
438	Engineered Cell Penetrating Peptides. ACS Symposium Series, 2017, , 297-319.	0.5	0
439	Post-targeting strategy for ready-to-use targeted nanodelivery post cargo loading. Nanoscale, 2017, 9, 19026-19030.	2.8	0

#	Article	IF	CITATIONS
440	Preparation and characterization of an amylase-triggered dextrin-linked graphene oxide anticancer drug nanocarrier and its vascular permeability. International Journal of Pharmaceutics, 2017, 534, 297-307.	2.6	18
441	Nano-Particles for Biomedical Applications. Springer Handbooks, 2017, , 643-691.	0.3	6
442	Nanocolloidosomes with Selective Drug Release for Active Tumor-Targeted Imaging-Guided Photothermal/Chemo Combination Therapy. ACS Applied Materials & Eamp; Interfaces, 2017, 9, 42225-42238.	4.0	58
443	Innovative Polymers for Controlled Release Applications. Biomacromolecules, 2017, 18, 3652-3653.	2.6	4
444	Calcinationâ€Dependent Morphology Transformation of Solâ€Gel―Synthesized MgO Nanoparticles. ChemistrySelect, 2017, 2, 10393-10404.	0.7	28
445	Uptake of Long Protein-Polyelectrolyte Nanotubes by Dendritic Cells. Biomacromolecules, 2017, 18, 4299-4306.	2.6	13
446	Five-Part Pentameric Nanocomplex Shows Improved Efficacy of Doxorubicin in CD44+ Cancer Cells. ACS Omega, 2017, 2, 7702-7713.	1.6	12
447	Theory, simulations and the design of functionalized nanoparticles for biomedical applications: A Soft Matter Perspective. Npj Computational Materials, 2017, 3, .	3.5	82
448	Harnessing designed nanoparticles: Current strategies and future perspectives in cancer immunotherapy. Nano Today, 2017, 17, 23-37.	6.2	69
449	Examining Binding to Nanoparticle Surfaces Using Saturation Transfer Difference (STD)-NMR Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 24678-24686.	1.5	18
450	Receptor and Microenvironment Dual-Recognizable Nanogel for Targeted Chemotherapy of Highly Metastatic Malignancy. Nano Letters, 2017, 17, 4526-4533.	4.5	127
451	Chlorin e6 Functionalized Theranostic Multistage Nanovectors Transported by Stem Cells for Effective Photodynamic Therapy. ACS Applied Materials & Interfaces, 2017, 9, 23441-23449.	4.0	51
452	Enhanced accumulation of theranostic nanoparticles in brain tumor by external magnetic field mediated in situ clustering of magnetic nanoparticles. Journal of Industrial and Engineering Chemistry, 2017, 54, 389-397.	2.9	30
453	pH and NIR-light-responsive magnetic iron oxide nanoparticles for mitochondria-mediated apoptotic cell death induced by chemo-photothermal therapy. International Journal of Pharmaceutics, 2017, 531, 1-13.	2.6	50
454	Control of in vivo disposition and immunogenicity of polymeric micelles by adjusting poly(sarcosine) chain lengths on surface. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	9
455	Dual-Mode Mass Spectrometric Imaging for Determination of <i>in Vivo</i> Stability of Nanoparticle Monolayers. ACS Nano, 2017, 11, 7424-7430.	7.3	36
456	Therapeutic targeting in nanomedicine: the future lies in recombinant antibodies. Nanomedicine, 2017, 12, 1873-1889.	1.7	53
457	Gemcitabine enhances the transport of nanovector-albumin-bound paclitaxel in gemcitabine-resistant pancreatic ductal adenocarcinoma. Cancer Letters, 2017, 403, 296-304.	3.2	20

#	Article	IF	CITATIONS
458	Effective and Specific Gene Silencing of Epidermal Growth Factor Receptors Mediated by Conjugated Oxaborole and Galactose-Based Polymers. ACS Macro Letters, 2017, 6, 768-774.	2.3	31
459	Updates on smart polymeric carrier systems for protein delivery. Drug Development and Industrial Pharmacy, 2017, 43, 1567-1583.	0.9	20
460	Albumin nanoparticles with synergistic antitumor efficacy against metastatic lung cancers. Colloids and Surfaces B: Biointerfaces, 2017, 158, 157-166.	2.5	47
461	Enhanced anticancer activity of drug nanoparticles formulated with \hat{l}^2 -cyclodextrin. Anti-Cancer Drugs, 2017, 28, 271-280.	0.7	2
462	The spleen in liver cirrhosis: revisiting an old enemy with novel targets. Journal of Translational Medicine, 2017, 15, 111.	1.8	109
463	GSH-Responsive supramolecular nanoparticles constructed by \hat{l}^2 - <scp>d</scp> -galactose-modified pillar[5] arene and camptothecin prodrug for targeted anticancer drug delivery. Chemical Communications, 2017, 53, 8596-8599.	2.2	81
464	A composite smeared finite element for mass transport in capillary systems and biological tissue. Computer Methods in Applied Mechanics and Engineering, 2017, 324, 413-437.	3.4	63
465	Status and trends in the development of clinical diagnostic agents. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2017, 9, e1441.	3.3	9
466	Mesoporous silica as multiple nanoparticles systems for inflammation imaging as nano-radiopharmaceuticals. Microporous and Mesoporous Materials, 2017, 239, 426-431.	2.2	16
467	Biointerfacing and Applications of Cell Membrane-Coated Nanoparticles. Bioconjugate Chemistry, 2017, 28, 23-32.	1.8	267
468	Targeting distinct myeloid cell populations inÂvivo using polymers, liposomes and microbubbles. Biomaterials, 2017, 114, 106-120.	5.7	63
469	Physiologically Based Pharmacokinetic (PBPK) Modeling of Pharmaceutical Nanoparticles. AAPS Journal, 2017, 19, 26-42.	2.2	114
470	Advances in Molecular Modeling of Nanoparticle–Nucleic Acid Interfaces. Bioconjugate Chemistry, 2017, 28, 3-10.	1.8	25
471	Nontoxic Formulations of Scintillation Nanocrystals for Use as X-ray Computed Tomography Contrast Agents. Bioconjugate Chemistry, 2017, 28, 171-182.	1.8	18
472	Breaking Down the Barriers to Precision Cancer Nanomedicine. Trends in Biotechnology, 2017, 35, 159-171.	4.9	254
473	Smart nanoparticles improve therapy for drug-resistant tumors by overcoming pathophysiological barriers. Acta Pharmacologica Sinica, 2017, 38, 1-8.	2.8	50
474	Radiolabeling and biological characterization of TPGS-based nanomicelles by means of small animal imaging. Nuclear Medicine and Biology, 2017, 44, 62-68.	0.3	10
475	Strategies for improving drug delivery: nanocarriers and microenvironmental priming. Expert Opinion on Drug Delivery, 2017, 14, 865-877.	2.4	39

#	Article	IF	CITATIONS
476	Bioinspired approaches for cancer nanotheranostics. Nanomedicine, 2017, 12, 5-7.	1.7	20
477	Magnetic nanoparticles for precision oncology: theranostic magnetic iron oxide nanoparticles for image-guided and targeted cancer therapy. Nanomedicine, 2017, 12, 73-87.	1.7	213
478	Increasing the Therapeutic Efficacy of Radiotherapy Using Nanoparticles. Cancer Drug Discovery and Development, 2017, , 241-265.	0.2	9
479	Biomarkerless targeting and photothermal cancer cell killing by surface-electrically-charged superparamagnetic Fe ₃ O ₄ composite nanoparticles. Nanoscale, 2017, 9, 1457-1465.	2.8	30
480	Leveraging Physiology for Precision Drug Delivery. Physiological Reviews, 2017, 97, 189-225.	13.1	125
481	Increasing the Therapeutic Ratio of Radiotherapy. Cancer Drug Discovery and Development, 2017, , .	0.2	2
482	Cancer nanomedicine: a review of recent success in drug delivery. Clinical and Translational Medicine, 2017, 6, 44.	1.7	703
483	Nanoparticle conjugates of a highly potent toxin enhance safety and circumvent platinum resistance in ovarian cancer. Nature Communications, 2017, 8, 2166.	5.8	71
484	Non-thermal acoustic treatment as a safe alternative to thermosensitive liposome-involved hyperthermia for cancer therapy. RSC Advances, 2017, 7, 29618-29625.	1.7	9
485	Role of plasma membrane surface charges in dictating the feasibility of membrane-nanoparticle interactions. Applied Physics Letters, 2017, 111, .	1.5	10
486	Synthesis, Characterization, and Biomedical Applications of a Targeted Dual-Modal Near-Infrared-II Fluorescence and Photoacoustic Imaging Nanoprobe. ACS Nano, 2017, 11, 12276-12291.	7.3	137
488	Inhibition of Toll-Like Receptor Signaling as a Promising Therapy for Inflammatory Diseases: A Journey from Molecular to Nano Therapeutics. Frontiers in Physiology, 2017, 8, 508.	1.3	266
489	Polydopamine Nanoparticles for Combined Chemo- and Photothermal Cancer Therapy. Nanomaterials, 2017, 7, 160.	1.9	83
490	Albumin and Hyaluronic Acid-Coated Superparamagnetic Iron Oxide Nanoparticles Loaded with Paclitaxel for Biomedical Applications. Molecules, 2017, 22, 1030.	1.7	56
491	Accumulation of $\langle \sup \rangle 111 \langle \sup \rangle$ In-Labelled EGF-Au-PEG Nanoparticles in EGFR-Positive Tumours is Enhanced by Coadministration of Targeting Ligand. Nanotheranostics, 2017, 1, 232-243.	2.7	17
492	Effect of the nanoformulation of siRNA-lipid assemblies on their cellular uptake and immune stimulation. International Journal of Nanomedicine, 2017, Volume 12, 5121-5133.	3.3	21
493	Multifunctional Polymer Nanoparticles for Dual Drug Release and Cancer Cell Targeting. Polymers, 2017, 9, 213.	2.0	9
494	Development of antiproliferative long-circulating liposomes co-encapsulating doxorubicin and curcumin, through the use of a quality-by-design approach. Drug Design, Development and Therapy, 2017, Volume 11, 1605-1621.	2.0	88

#	Article	IF	CITATIONS
495	Spatiotemporal Control of Doxorubicin Delivery from "Stealth-Like―Prodrug Micelles. International Journal of Molecular Sciences, 2017, 18, 2033.	1.8	4
496	Curcuma mangga-Mediated Synthesis of Gold Nanoparticles: Characterization, Stability, Cytotoxicity, and Blood Compatibility. Nanomaterials, 2017, 7, 123.	1.9	41
497	Nanogels for biomedical applications. , 2017, , 87-124.		8
498	Strategies for Preparing Albumin-based Nanoparticles for Multifunctional Bioimaging and Drug Delivery. Theranostics, 2017, 7, 3667-3689.	4.6	349
499	Grand Challenges for Nanoscience and Nanotechnology in Energy and Health. Frontiers in Chemistry, 2017, 5, 80.	1.8	26
500	Nanoparticles hybridization to engineer biomaterials for drug delivery. , 2017, , 147-161.		1
501	Nanomaterials in the Context of Type 2 Immune Responsesâ€"Fears and Potentials. Frontiers in Immunology, 2017, 8, 471.	2.2	19
502	A Nanosystem of Amphiphilic Oligopeptide-Drug Conjugate Actualizing Both $\hat{l}\pm\nu\hat{l}^2$ 3 Targeting and Reduction-Triggered Release for Maytansinoid. Theranostics, 2017, 7, 3306-3318.	4.6	22
503	Development of ^{99m} Tc-radiolabeled nanosilica for targeted detection of HER2-positive breast cancer. International Journal of Nanomedicine, 2017, Volume 12, 3447-3461.	3.3	35
504	Design of theranostic nanomedicine (II): synthesis and physicochemical properties of a biocompatible polyphosphazene–docetaxel conjugate. International Journal of Nanomedicine, 2017, Volume 12, 5373-5386.	3.3	16
505	Encapsulation of Inorganic Nanomaterials inside Virus-Based Nanoparticles for Bioimaging. Nanotheranostics, 2017, 1, 358-368.	2.7	24
506	4.30 Nanomaterials for Drug Delivery to the Brain. , 2017, , 549-570.		0
507	Self-Assembly of Gold Nanoparticles Shows Microenvironment-Mediated Dynamic Switching and Enhanced Brain Tumor Targeting. Theranostics, 2017, 7, 1875-1889.	4.6	64
508	18F-FDG PET/CT-based early treatment response evaluation of nanoparticle-assisted photothermal cancer therapy. PLoS ONE, 2017, 12, e0177997.	1.1	22
509	Nanotechnology: from In Vivo Imaging System to Controlled Drug Delivery. Nanoscale Research Letters, 2017, 12, 500.	3.1	94
510	The application of titanium dioxide, zinc oxide, fullerene, and graphene nanoparticles in photodynamic therapy. Cancer Nanotechnology, 2017, 8, 6.	1.9	93
511	A multiscale modeling study of particle size effects on the tissue penetration efficacy of drug-delivery nanoparticles. BMC Systems Biology, 2017, 11, 113.	3.0	37
512	A New Approach to Deliver Anti-cancer Nanodrugs with Reduced Off-target Toxicities and Improved Efficiency by Temporarily Blunting the Reticuloendothelial System with Intralipid. Scientific Reports, 2017, 7, 16106.	1.6	20

#	Article	IF	CITATIONS
513	Biomaterial-Mediated Drug Delivery in Primary and Metastatic Cancers of theÂBone. , 2017, , 569-604.		1
514	Nanoparticle-based drug delivery systems: What can they really do in vivo?. F1000Research, 2017, 6, 681.	0.8	47
515	A Programmed Nanoparticle with Self-Adapting for Accurate Cancer Cell Eradication and Therapeutic Self-Reporting. Theranostics, 2017, 7, 1245-1256.	4.6	16
516	Using microsensors to promote the development of innovative therapeutic nanostructures. , 2017, , 539-566.		5
517	Development of Sialic Acid-coated Nanoparticles for Targeting Cancer and Efficient Evasion of the Immune System. Theranostics, 2017, 7, 962-973.	4.6	42
518	Superparamagnetic Gold Nanoparticles Synthesized on Protein Particle Scaffolds for Cancer Theragnosis. Advanced Materials, 2017, 29, 1701146.	11.1	51
519	Theranostic Liposome–Nanoparticle Hybrids for Drug Delivery and Bioimaging. International Journal of Molecular Sciences, 2017, 18, 1415.	1.8	50
520	Enhancing the Therapeutic Delivery of Oligonucleotides by Chemical Modification and Nanoparticle Encapsulation. Molecules, 2017, 22, 1724.	1.7	36
521	Supramolecular Polymers in Nanomedicine. , 2017, , 227-254.		3
522	Radiolabeled inorganic nanoparticles for positron emission tomography imaging of cancer: an overview. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2017, 61, 181-204.	0.4	37
523	Nano-sized cytochrome P450 3A4 inhibitors to block hepatic metabolism of docetaxel. International Journal of Nanomedicine, 2017, Volume 12, 5537-5556.	3.3	14
524	Aminated nanomicelles as a designer vaccine adjuvant to trigger inflammasomes and multiple arms of the innate immune response in lymph nodes. International Journal of Nanomedicine, 2017, Volume 12, 7501-7517.	3.3	8
525	Margination of Fluorescent Polylactic Acid–Polyaspartamide based Nanoparticles in Microcapillaries In Vitro: the Effect of Hematocrit and Pressure. Molecules, 2017, 22, 1845.	1.7	3
526	Polymer Nanocomposites., 0,,.		5
527	EDITORIAL: Recent Contributions of Medicinal Chemistry to Nano Drug Delivery Systems and Bio-Conjugates. Current Topics in Medicinal Chemistry, 2017, 17, 1449-1450.	1.0	0
528	Immune response to nanobiomaterials. , 2017, , 249-260.		0
529	Single-Step In Situ Assembling Routes for the Shape Control of Polymer Nanoparticles. Biomacromolecules, 2018, 19, 1047-1064.	2.6	10
530	Biocompatible Semiconductor Quantum Dots as Cancer Imaging Agents. Advanced Materials, 2018, 30, e1706356.	11.1	227

#	Article	IF	CITATIONS
531	Hypoxia-specific therapeutic agents delivery nanotheranostics: A sequential strategy for ultrasound mediated on-demand tritherapies and imaging of cancer. Journal of Controlled Release, 2018, 275, 192-200.	4.8	98
532	Exploiting or overcoming the dome trap for enhanced oral immunization and drug delivery. Journal of Controlled Release, 2018, 275, 92-106.	4.8	24
533	Fabrication of Charge-Conversion Nanoparticles for Cancer Imaging by Flash Nanoprecipitation. ACS Applied Materials & Samp; Interfaces, 2018, 10, 10752-10760.	4.0	42
534	Lightâ€Triggered Retention and Cascaded Therapy of Albuminâ€Based Theranostic Nanomedicines to Alleviate Tumor Adaptive Treatment Tolerance. Advanced Functional Materials, 2018, 28, 1707291.	7.8	68
535	Label-free in-flow detection of receptor recognition motifs on the biomolecular corona of nanoparticles. Nanoscale, 2018, 10, 5474-5481.	2.8	27
536	Design and Development of Biomimetic Nanovesicles Using a Microfluidic Approach. Advanced Materials, 2018, 30, e1702749.	11.1	100
537	Biofunctionalization of \hat{l}^2 -cyclodextrin nanosponges using cholesterol. Carbohydrate Polymers, 2018, 190, 23-30.	5.1	55
538	Gold Nanoclusters for Targeting Methicillinâ€Resistant <i>Staphylococcusâ€aureus</i> Inâ€Vivo. Angewandte Chemie, 2018, 130, 4022-4026.	1.6	15
539	Selfâ€Stabilized Hyaluronate Nanogel for Intracellular Codelivery of Doxorubicin and Cisplatin to Osteosarcoma. Advanced Science, 2018, 5, 1700821.	5.6	153
540	Peptide and protein nanoparticle conjugates: versatile platforms for biomedical applications. Chemical Society Reviews, 2018, 47, 3574-3620.	18.7	352
541	Thermally Carbonized Porous Silicon and Its Recent Applications. Advanced Materials, 2018, 30, e1703819.	11.1	48
542	Interaction of spin-labeled HPMA-based nanoparticles with human blood plasma proteins $\hat{a} \in \text{``the}$ introduction of protein-corona-free polymer nanomedicine. Nanoscale, 2018, 10, 6194-6204.	2.8	37
543	Toxicity of lanthanum oxide nanoparticles to the fungus Moniliella wahieum Y12T isolated from biodiesel. Chemosphere, 2018, 199, 495-501.	4.2	10
544	Intracellularly Activatable Nanovasodilators To Enhance Passive Cancer Targeting Regime. Nano Letters, 2018, 18, 2637-2644.	4.5	71
545	Lapatinib nano-delivery systems: a promising future for breast cancer treatment. Expert Opinion on Drug Delivery, 2018, 15, 495-507.	2.4	33
546	Brain Delivery of Multifunctional Dendrimer Protein Bioconjugates. Advanced Science, 2018, 5, 1700897.	5.6	44
547	Emerging Electromagnetic Technologies for Brain Diseases Diagnostics, Monitoring and Therapy. , 2018, , .		45
548	Assembly of carboxylated zinc phthalocyanine with gold nanoparticle for colorimetric detection of calcium ion. Journal of Materials Science: Materials in Electronics, 2018, 29, 8380-8389.	1.1	7

#	ARTICLE	IF	CITATIONS
549	Nanocomposite thin films for triggerable drug delivery. Expert Opinion on Drug Delivery, 2018, 15, 509-522.	2.4	15
550	A Direct Comparison of in Vitro and in Vivo Nucleic Acid Delivery Mediated by Hundreds of Nanoparticles Reveals a Weak Correlation. Nano Letters, 2018, 18, 2148-2157.	4.5	138
551	Antitumor efficacy of liposome-encapsulated NVP-BEZ 235 in combination with irreversible electroporation. Drug Delivery, 2018, 25, 668-678.	2.5	15
552	Size and surface controllable metal–organic frameworks (MOFs) for fluorescence imaging and cancer therapy. Nanoscale, 2018, 10, 6205-6211.	2.8	103
553	The in vivo listates of plant viral nanoparticles camouflaged using self-proteins: overcoming immune recognition. Journal of Materials Chemistry B, 2018, 6, 2204-2216.	2.9	37
554	Theranostic micelles based on upconversion nanoparticles for dual-modality imaging and photodynamic therapy in hepatocellular carcinoma. Nanoscale, 2018, 10, 6511-6523.	2.8	72
555	Co-administration of a charge-conversional dendrimer enhances antitumor efficacy of conventional chemotherapy. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 127, 371-377.	2.0	17
556	Nanomaterials for Cancer Precision Medicine. Advanced Materials, 2018, 30, e1705660.	11.1	136
557	Surfactant-free solubilization and systemic delivery of anti-cancer drug using low molecular weight methylcellulose. Journal of Controlled Release, 2018, 276, 42-49.	4.8	12
558	Quantifying Vascular Distribution and Adhesion of Nanoparticles with Protein Corona in Microflow. Langmuir, 2018, 34, 3731-3741.	1.6	7
559	Endosomal Size and Membrane Leakiness Influence Proton Sponge-Based Rupture of Endosomal Vesicles. ACS Nano, 2018, 12, 2332-2345.	7.3	154
560	Cerberus Nanoparticles: Cotargeting of Mitochondrial DNA and Mitochondrial Topoisomerase I in Breast Cancer Cells. ACS Applied Nano Materials, 2018, 1, 2195-2205.	2.4	16
561	The Roles of Morphology on the Relaxation Rates of Magnetic Nanoparticles. ACS Nano, 2018, 12, 4605-4614.	7.3	62
562	Magnetic nanoparticles based cancer therapy: current status and applications. Science China Life Sciences, 2018, 61, 400-414.	2.3	74
563	Highly penetrative liposome nanomedicine generated by a biomimetic strategy for enhanced cancer chemotherapy. Biomaterials Science, 2018, 6, 1546-1555.	2.6	34
564	Facile preparation of multifunctionalisable â€~stealth' upconverting nanoparticles for biomedical applications. Dalton Transactions, 2018, 47, 8595-8604.	1.6	26
565	Surface charges promote nonspecific nanoparticle adhesion to stiffer membranes. Applied Physics Letters, 2018, 112, .	1.5	8
566	Cooperativity Principles in Self-Assembled Nanomedicine. Chemical Reviews, 2018, 118, 5359-5391.	23.0	129

#	ARTICLE	IF	CITATIONS
567	Optimization of lipid-assisted nanoparticle for disturbing neutrophils-related inflammation. Biomaterials, 2018, 172, 92-104.	5.7	50
568	Enhanced intercellular release of anticancer drug by using nano-sized catanionic vesicles of doxorubicin hydrochloride and gemini surfactants. Journal of Molecular Liquids, 2018, 259, 398-410.	2.3	35
569	Liposomal CpG-ODN: An in vitro and in vivo study on macrophage subtypes responses, biodistribution and subsequent therapeutic efficacy in mice models of cancers. European Journal of Pharmaceutical Sciences, 2018, 119, 159-170.	1.9	40
570	Electrostatically assembled dendrimer complex with a high-affinity protein binder for targeted gene delivery. International Journal of Pharmaceutics, 2018, 544, 39-45.	2.6	13
571	Nano-sized paramagnetic and fluorescent fluorinated carbon fiber with high NIR absorbance for cancer chemo-photothermal therapy. Journal of Materials Chemistry B, 2018, 6, 3068-3077.	2.9	37
572	Tuning the Size of Nanoassembles: A Hierarchical Transfer of Information from Dendrimers to Polyion Complexes. Angewandte Chemie, 2018, 130, 5371-5375.	1.6	1
573	Reversal of drug resistance by planetary ball milled (PBM) nanoparticle loaded with resveratrol and docetaxel in prostate cancer. Cancer Letters, 2018, 427, 49-62.	3.2	76
574	Differential Recognition of Nanoparticle Protein Corona and Modified Low-Density Lipoprotein by Macrophage Receptor with Collagenous Structure. ACS Nano, 2018, 12, 4930-4937.	7.3	66
575	Modular assembly of proteins on nanoparticles. Nature Communications, 2018, 9, 1489.	5.8	76
576	Largeâ€Scale Synthesis and Medical Applications of Uniformâ€Sized Metal Oxide Nanoparticles. Advanced Materials, 2018, 30, e1704290.	11.1	97
577	Selfâ€assembled, ellipsoidal polymeric nanoparticles for intracellular delivery of therapeutics. Journal of Biomedical Materials Research - Part A, 2018, 106, 2048-2058.	2.1	22
578	In Vitro and In Vivo Photothermal Cancer Therapeutic Effects of Gold Nanorods Modified with Mushroom Î ² -Glucan. Journal of Agricultural and Food Chemistry, 2018, 66, 4091-4098.	2.4	39
579	Pharmaceutical micelles featured with singlet oxygen-responsive cargo release and mitochondrial targeting for enhanced photodynamic therapy. Nanotechnology, 2018, 29, 255101.	1.3	19
580	Cell Membrane Coating Nanotechnology. Advanced Materials, 2018, 30, e1706759.	11.1	1,100
581	Quantifying the Subâ€Cellular Distributions of Gold Nanospheres Taken Up by Cells through Stepwise, Siteâ€Selective Etching. Chemistry - A European Journal, 2018, 24, 8513-8518.	1.7	4
582	Immunostimulation and Immunosuppression: Nanotechnology on the Brink. Small Methods, 2018, 2, 1700347.	4.6	32
583	The noncoding-RNA landscape in cardiovascular health and disease. Non-coding RNA Research, 2018, 3, 12-19.	2.4	24
584	Human plasma proteome association and cytotoxicity of nano-graphene oxide grafted with stealth polyethylene glycol and poly(2-ethyl-2-oxazoline). Nanoscale, 2018, 10, 10863-10875.	2.8	42

#	Article	IF	CITATIONS
585	Biodistribution studies of ultrasmall silicon nanoparticles and carbon dots in experimental rats and tumor mice. Nanoscale, 2018, 10, 9880-9891.	2.8	68
586	Hollow polymer nanocapsules: synthesis, properties, and applications. Polymer Chemistry, 2018, 9, 2059-2081.	1.9	58
587	A Hepatocyteâ€Mimicking Antidote for Alcohol Intoxication. Advanced Materials, 2018, 30, e1707443.	11.1	22
588	Coating with Microbial Hydrophobins: A Novel Approach to Develop Smart Drug Nanoparticles. Trends in Biotechnology, 2018, 36, 1103-1106.	4.9	25
589	Progress and challenges towards targeted delivery of cancer therapeutics. Nature Communications, 2018, 9, 1410.	5 . 8	1,488
590	Current development of nanocarrier delivery systems for Parkinson's disease pharmacotherapy. Journal of the Taiwan Institute of Chemical Engineers, 2018, 87, 15-25.	2.7	17
591	New Strategies in the Design of Nanomedicines to Oppose Uptake by the Mononuclear Phagocyte System and Enhance Cancer Therapeutic Efficacy. Chemistry - an Asian Journal, 2018, 13, 3333-3340.	1.7	51
592	A feasible strategy for self-assembly of gold nanoparticles <i>via</i> dithiol-PEG for photothermal therapy of cancers. RSC Advances, 2018, 8, 6120-6124.	1.7	8
593	Multicellular Tumor Spheroids (MCTS) as a 3D In Vitro Evaluation Tool of Nanoparticles. Small, 2018, 14, e1702858.	5.2	158
594	Tumorâ€Specific Selfâ€Degradable Nanogels as Potential Carriers for Systemic Delivery of Anticancer Proteins. Advanced Functional Materials, 2018, 28, 1707371.	7.8	85
595	Toxicity Assessment in the Nanoparticle Era. Advances in Experimental Medicine and Biology, 2018, 1048, 1-19.	0.8	54
596	Preparation, characterization and in vitro evaluation of calothrixin B liposomes. Journal of Drug Delivery Science and Technology, 2018, 44, 491-497.	1.4	14
597	Facilitating the translation of nanomedicines to a clinical product: challenges and opportunities. Drug Discovery Today, 2018, 23, 974-991.	3.2	90
598	Extracellular vesicle therapeutics for liver disease. Journal of Controlled Release, 2018, 273, 86-98.	4.8	88
599	Chemotherapeutic drug delivery by tumoral extracellular matrix targeting. Journal of Controlled Release, 2018, 274, 1-8.	4.8	78
600	Plasmidâ€Templated Control of DNA–Cyclodextrin Nanoparticle Morphology through Molecular Vector Design for Effective Gene Delivery. Chemistry - A European Journal, 2018, 24, 3825-3835.	1.7	22
601	The polyplex, protein corona, cell interplay: Tips and drawbacks. Colloids and Surfaces B: Biointerfaces, 2018, 168, 60-67.	2.5	9
602	Bioreducible amino acid-derived polymeric nanoparticles for delivery of functional proteins. Colloids and Surfaces B: Biointerfaces, 2018, 164, 396-405.	2.5	6

#	Article	IF	Citations
603	Stimuli-responsive nanocarriers for delivery of bone therapeutics $\hat{a} \in \text{``Barriers}$ and progresses. Journal of Controlled Release, 2018, 273, 51-67.	4.8	84
604	Co-loading of photothermal agents and anticancer drugs into porous silicon nanoparticles with enhanced chemo-photothermal therapeutic efficacy to kill multidrug-resistant cancer cells. Colloids and Surfaces B: Biointerfaces, 2018, 164, 291-298.	2.5	28
605	Dual tumor-targeted multifunctional magnetic hyaluronic acid micelles for enhanced MR imaging and combined photothermal-chemotherapy. Colloids and Surfaces B: Biointerfaces, 2018, 164, 424-435.	2.5	52
606	pH-Responsive Microencapsulation Systems for the Oral Delivery of Polyanhydride Nanoparticles. Biomacromolecules, 2018, 19, 793-802.	2.6	28
607	Folate-Conjugated Polyphosphoester with Reversible Cross-Linkage and Reduction Sensitivity for Drug Delivery. ACS Applied Materials & Interfaces, 2018, 10, 7811-7820.	4.0	39
608	Sprayâ€Dried Nanoparticleâ€inâ€Microparticle Delivery Systems (NiMDS) for Gene Delivery, Comprising Polyethylenimine (PEI)â€Based Nanoparticles in a Poly(Vinyl Alcohol) Matrix. Small, 2018, 14, e1701810.	5 . 2	38
609	Self-Assembled Peptide–Lanthanide Nanoclusters for Safe Tumor Therapy: Overcoming and Utilizing Biological Barriers to Peptide Drug Delivery. ACS Nano, 2018, 12, 2017-2026.	7.3	110
610	Biomineralization State of Viruses and Their Biological Potential. Chemistry - A European Journal, 2018, 24, 11518-11529.	1.7	22
611	Biodistribution Analysis of NIR-Labeled Nanogels Using <i>in Vivo</i> FMT Imaging in Triple Negative Human Mammary Carcinoma Models. Molecular Pharmaceutics, 2018, 15, 1180-1191.	2.3	13
612	Advanced architectures in the design of responsive polymers for cancer nanomedicine. Journal of Applied Polymer Science, 2018, 135, 46154.	1.3	50
613	Multimodality Imaging of Silica and Silicon Materials In Vivo. Advanced Materials, 2018, 30, e1703651.	11.1	53
614	Protein corona of airborne nanoscale PM2.5 induces aberrant proliferation of human lung fibroblasts based on a 3D organotypic culture. Scientific Reports, 2018, 8, 1939.	1.6	17
615	The surface chemistry determines the spatioâ€"temporal interaction dynamics of quantum dots in atherosclerotic lesions. Nanomedicine, 2018, 13, 623-638.	1.7	4
616	Nearâ€Infrared Triggered Decomposition of Nanocapsules with High Tumor Accumulation and Stimuli Responsive Fast Elimination. Angewandte Chemie - International Edition, 2018, 57, 2611-2615.	7.2	111
617	Photo-triggered micelles: simultaneous activation and release of microtubule inhibitors for on-demand chemotherapy. Biomaterials Science, 2018, 6, 511-518.	2.6	21
618	Cationic Polymeric Nanoparticle Delivering CCR2 siRNA to Inflammatory Monocytes for Tumor Microenvironment Modification and Cancer Therapy. Molecular Pharmaceutics, 2018, 15, 3642-3653.	2.3	57
619	Semiconducting Photothermal Nanoagonist for Remote-Controlled Specific Cancer Therapy. Nano Letters, 2018, 18, 1498-1505.	4.5	183
620	Fucoidan Prolongs the Circulation Time of Dextran-Coated Iron Oxide Nanoparticles. ACS Nano, 2018, 12, 1156-1169.	7.3	82

#	Article	IF	CITATIONS
621	Nanoparticle elasticity directs tumor uptake. Nature Communications, 2018, 9, 130.	5.8	276
622	Tailoring the morphology of AlEgen fluorescent nanoparticles for optimal cellular uptake and imaging efficacy. Chemical Science, 2018, 9, 2620-2627.	3.7	32
623	Controlled synthesis and size effects of multifunctional mesoporous silica nanosystem for precise cancer therapy. Drug Delivery, 2018, 25, 293-306.	2.5	42
624	Inhalation of peptide-loaded nanoparticles improves heart failure. Science Translational Medicine, 2018, 10, .	5.8	132
625	Nanogel-DFO conjugates as a model to investigate pharmacokinetics, biodistribution, and iron chelation in vivo. International Journal of Pharmaceutics, 2018, 538, 79-86.	2.6	21
626	Targeted and theranostic applications for nanotechnologies in medicine. , 2018, , 399-511.		7
627	Biodegradable Drug-Loaded Hydroxyapatite Nanotherapeutic Agent for Targeted Drug Release in Tumors. ACS Applied Materials & Samp; Interfaces, 2018, 10, 7832-7840.	4.0	99
628	Development of a Light-Controlled Nanoplatform for Direct Nuclear Delivery of Molecular and Nanoscale Materials. Journal of the American Chemical Society, 2018, 140, 4062-4070.	6.6	135
629	Crystalline assembly of gold nanoclusters for mitochondria targeted cancer theranostics. Journal of Materials Chemistry B, 2018, 6, 1650-1657.	2.9	16
630	Engineering functional inorganic–organic hybrid systems: advances in siRNA therapeutics. Chemical Society Reviews, 2018, 47, 1969-1995.	18.7	105
631	Gold Nanoclusters for Targeting Methicillinâ€Resistant <i>Staphylococcusâ€aureus</i> Inâ€Vivo. Angewandte Chemie - International Edition, 2018, 57, 3958-3962.	7.2	190
632	Remotely Phototriggered, Transferrinâ€√argeted Polymeric Nanoparticles for the Treatment of Breast Cancer. Photochemistry and Photobiology, 2018, 94, 765-774.	1.3	25
633	In Vitro Efficacy of Free and Nanoparticle Formulations of Gallium(III) meso-Tetraphenylporphyrine against Mycobacterium avium and Mycobacterium abscessus and Gallium Biodistribution in Mice. Molecular Pharmaceutics, 2018, 15, 1215-1225.	2.3	25
634	A DNA nanorobot functions as a cancer therapeutic in response to a molecular trigger in vivo. Nature Biotechnology, 2018, 36, 258-264.	9.4	1,066
635	Reassembly of ⁸⁹ Zrâ€Labeled Cancer Cell Membranes into Multicompartment Membraneâ€Derived Liposomes for PETâ€Trackable Tumorâ€Targeted Theranostics. Advanced Materials, 2018, 30, e1704934.	11.1	86
636	Developing single-entity theranostic: drug-based fluorescent nanoclusters with augmented cytotoxicity. Nanomedicine, 2018, 13, 283-295.	1.7	2
637	Nearâ€Infrared Triggered Decomposition of Nanocapsules with High Tumor Accumulation and Stimuli Responsive Fast Elimination. Angewandte Chemie, 2018, 130, 2641-2645.	1.6	27
638	Effective Labeling of Primary Somatic Stem Cells with BaTiO 3 Nanocrystals for Second Harmonic Generation Imaging. Small, 2018, 14, 1703386.	5.2	14

#	Article	IF	CITATIONS
639	Lysosome Enlargement Enhanced Photochemotherapy Using a Multifunctional Nanogel. ACS Applied Materials & Samp; Interfaces, 2018, 10, 4343-4348.	4.0	15
640	ROS-responsive capsules engineered from green tea polyphenol–metal networks for anticancer drug delivery. Journal of Materials Chemistry B, 2018, 6, 1000-1010.	2.9	53
641	A Crosslinked Nucleic Acid Nanogel for Effective siRNA Delivery and Antitumor Therapy. Angewandte Chemie, 2018, 130, 3118-3122.	1.6	25
642	A Crosslinked Nucleic Acid Nanogel for Effective siRNA Delivery and Antitumor Therapy. Angewandte Chemie - International Edition, 2018, 57, 3064-3068.	7.2	170
643	Microfluidics for producing poly (lactic-co-glycolic acid)-based pharmaceutical nanoparticles. Advanced Drug Delivery Reviews, 2018, 128, 101-114.	6.6	107
644	Use of nanostructured materials in drug delivery. , 2018, , 503-549.		3
645	Recent advancements in biocompatible inorganic nanoparticles towards biomedical applications. Biomaterials Science, 2018, 6, 726-745.	2.6	121
646	Advances in Magnetic Nanoparticles for Biomedical Applications. Advanced Healthcare Materials, 2018, 7, 1700845.	3.9	453
647	Selective Cell Penetrating Peptideâ€Functionalized Polymersomes Mediate Efficient and Targeted Delivery of Methotrexate Disodium to Human Lung Cancer In Vivo. Advanced Healthcare Materials, 2018, 7, e1701135.	3.9	41
648	Reconstituted high-density lipoproteins: novel biomimetic nanocarriers for drug delivery. Acta Pharmaceutica Sinica B, 2018, 8, 51-63.	5.7	49
649	Amphiphilic polysaccharides as building blocks for self-assembled nanosystems: molecular design and application in cancer and inflammatory diseases. Journal of Controlled Release, 2018, 272, 114-144.	4.8	59
650	Electric double layer electrostatics of lipidâ€bilayerâ€encapsulated nanoparticles: Toward a better understanding of protocell electrostatics. Electrophoresis, 2018, 39, 752-759.	1.3	10
651	Impact of nanomedicine on hepatic cytochrome P450 3A4 activity: things to consider during pre-clinical and clinical studies. Journal of Pharmaceutical Investigation, 2018, 48, 113-134.	2.7	3
652	Polyethyleneimine coated nanogels for the intracellular delivery of RNase A for cancer therapy. Chemical Engineering Journal, 2018, 340, 32-41.	6.6	34
653	Activatable Hybrid Nanotheranostics for Tetramodal Imaging and Synergistic Photothermal/Photodynamic Therapy. Advanced Materials, 2018, 30, 1704367.	11.1	165
654	Nanomedicine for the cardiac myocyte: Where are we?. Journal of Controlled Release, 2018, 271, 149-165.	4.8	24
655	Impact of nanosilver on gut microbiota: a vulnerable link. Future Microbiology, 2018, 13, 483-492.	1.0	17
656	Stem cells as vehicles and targets of nanoparticles. Drug Discovery Today, 2018, 23, 1071-1078.	3.2	21

#	ARTICLE	IF	CITATIONS
657	Automatic detection of particle size distribution by image analysis based on local adaptive canny edge detection and modified circular Hough transform. Micron, 2018, 106, 34-41.	1.1	102
658	Nearâ€Infrared Upconversion Mesoporous Cerium Oxide Hollow Biophotocatalyst for Concurrent pHâ€IH ₂ O ₂ â€Responsive O ₂ â€Evolving Synergetic Cancer Therapy. Advanced Materials, 2018, 30, 1704833.	11.1	350
659	Polymer Functionalization of Isolated Mitochondria for Cellular Transplantation and Metabolic Phenotype Alteration. Advanced Science, 2018, 5, 1700530.	5.6	33
660	Dual-targeted nanomedicines for enhanced tumor treatment. Nano Today, 2018, 18, 65-85.	6.2	90
661	Macrophage-Specific <i>in Vivo</i> Gene Editing Using Cationic Lipid-Assisted Polymeric Nanoparticles. ACS Nano, 2018, 12, 994-1005.	7.3	163
662	Nanomedicine development guided by FRET imaging. Nano Today, 2018, 18, 124-136.	6.2	59
663	Directing Nanoparticle Biodistribution through Evasion and Exploitation of Stab2-Dependent Nanoparticle Uptake. ACS Nano, 2018, 12, 2138-2150.	7.3	173
664	Quantitative imaging of translocated silver following nanoparticle exposure by laser ablation-inductively coupled plasma-mass spectrometry. Analytical Methods, 2018, 10, 836-840.	1.3	12
665	Uptake and Intracellular Fate of Engineered Nanoparticles in Mammalian Cells: Capabilities and Limitations of Transmission Electron Microscopy—Polymerâ€Based Nanoparticles. Advanced Materials, 2018, 30, 1703704.	11.1	67
666	Renal-Clearable Hollow Bismuth Subcarbonate Nanotubes for Tumor Targeted Computed Tomography Imaging and Chemoradiotherapy. Nano Letters, 2018, 18, 1196-1204.	4.5	101
667	Metallofluorescent Nanoparticles for Multimodal Applications. ACS Omega, 2018, 3, 144-153.	1.6	15
668	Characterization of Nanoscale Loaded Liposomes Produced by 2D Hydrodynamic Flow Focusing. ACS Biomaterials Science and Engineering, 2018, 4, 502-513.	2.6	21
669	Design and evaluation of clickable gelatin-oleic nanoparticles using fattigation-platform for cancer therapy. International Journal of Pharmaceutics, 2018, 545, 101-112.	2.6	32
670	Multifunctional Micelles Dually Responsive to Hypoxia and Singlet Oxygen: Enhanced Photodynamic Therapy via Interactively Triggered Photosensitizer Delivery. ACS Applied Materials & Delivery. ACS ACS Applied Materials & Delivery. ACS ACS ACS Ap	4.0	73
671	Delivery of siRNA in vitro and in vivo using PEI-capped porous silicon nanoparticles to silence MRP1 and inhibit proliferation in glioblastoma. Journal of Nanobiotechnology, 2018, 16, 38.	4.2	67
672	Polycarbonate-based core-crosslinked redox-responsive nanoparticles for targeted delivery of anticancer drug. Journal of Materials Chemistry B, 2018, 6, 3348-3357.	2.9	20
673	Controlled Release Electrochemical Synthesis and Cytotoxicity Study of Copper(II) Nanoparticles in Copper(II) Decanoate Complex. Nano, 2018, 13, 1850048.	0.5	5
674	Repolarization of Tumor-Associated Macrophages in a Genetically Engineered Nonsmall Cell Lung Cancer Model by Intraperitoneal Administration of Hyaluronic Acid-Based Nanoparticles Encapsulating MicroRNA-125b. Nano Letters, 2018, 18, 3571-3579.	4.5	196

#	Article	IF	CITATIONS
675	Stateâ€ofâ€theâ€Art Design and Rapidâ€Mixing Production Techniques of Lipid Nanoparticles for Nucleic Acid Delivery. Small Methods, 2018, 2, 1700375.	4.6	165
676	Miniaturization of thiol-organosilica nanoparticles induced by an anionic surfactant. Journal of Colloid and Interface Science, 2018, 526, 51-62.	5.0	16
677	Importance of integrating nanotechnology with pharmacology and physiology for innovative drug delivery and therapy – an illustration with firsthand examples. Acta Pharmacologica Sinica, 2018, 39, 825-844.	2.8	85
678	Polyethylenimine-coated iron oxide magnetic nanoparticles for high efficient gene delivery. Applied Nanoscience (Switzerland), 2018, 8, 811-821.	1.6	18
679	Multivalent Binding of a Ligand-Coated Particle: Role of Shape, Size, and Ligand Heterogeneity. Biophysical Journal, 2018, 114, 1830-1846.	0.2	27
680	<i>In vivo</i> tumor gene delivery using novel peptideticles: pHâ€responsive and ligand targeted core–shell nanoassembly. International Journal of Cancer, 2018, 143, 2017-2028.	2.3	21
681	Water-soluble fluorescent unimolecular micelles: ultra-small size, tunable fluorescence emission from the visible to NIR region and enhanced biocompatibility for <i>in vitro</i> bioimaging. Chemical Communications, 2018, 54, 6252-6255.	2.2	20
682	Highly Sensitive Detection of Caspase-3/7 Activity in Living Mice Using Enzyme-Responsive ¹⁹ F MRI Nanoprobes. Bioconjugate Chemistry, 2018, 29, 1720-1728.	1.8	44
683	Programmed †triple-mode†anti-tumor therapy: Improving peritoneal retention, tumor penetration and activatable drug release properties for effective inhibition of peritoneal carcinomatosis. Biomaterials, 2018, 169, 45-60.	5.7	15
684	Use of ultrasound with magnetic field for enhanced in vitro drug delivery in colon cancer treatment. Journal of Materials Research, 2018, 33, 625-637.	1.2	6
685	Revisiting of Pd Nanoparticles in Cancer Treatment: All-Round Excellence of Porous Pd Nanoplates in Gene-Thermo Combinational Therapy. ACS Applied Materials & Samp; Interfaces, 2018, 10, 13819-13828.	4.0	53
686	Magnetic Nanoparticle Hyperthermia. , 2018, , 129-191.		8
687	Transport Barriers and Oncophysics in Cancer Treatment. Trends in Cancer, 2018, 4, 277-280.	3.8	38
688	Enzyme-triggered size shrink and laser-enhanced NO release nanoparticles for deep tumor penetration and combination therapy. Biomaterials, 2018, 168, 64-75.	5.7	234
689	Polymeric micelles for pH-responsive lutein delivery. Journal of Drug Delivery Science and Technology, 2018, 45, 281-286.	1.4	18
690	Multiplexed mRNA Sensing and Combinatorial-Targeted Drug Delivery Using DNA-Gold Nanoparticle Dimers. ACS Nano, 2018, 12, 3333-3340.	7.3	107
691	Priming the body to receive the therapeutic agent to redefine treatment benefit/risk profile. Scientific Reports, 2018, 8, 4797.	1.6	19
692	Design of drug delivery systems for physical energy-induced chemical surgery. Biomaterials, 2018, 178, 583-596.	5.7	15

#	Article	IF	CITATIONS
693	GE11-Directed Functional Polymersomal Doxorubicin as an Advanced Alternative to Clinical Liposomal Formulation for Ovarian Cancer Treatment. Molecular Pharmaceutics, 2018, 15, 3664-3671.	2.3	41
694	Nearâ€Infraredâ€Lightâ€Activatable Nanomaterialâ€Mediated Phototheranostic Nanomedicines: An Emerging Paradigm for Cancer Treatment. Advanced Materials, 2018, 30, e1706320.	11.1	414
695	Optimization of Noscapine-Loaded mPEG-PLGA Nanoparticles and Release Study: a Response Surface Methodology Approach. Journal of Pharmaceutical Innovation, 2018, 13, 237-246.	1.1	18
696	Lanthanide-doped nanoparticles conjugated with an anti-CD33 antibody and a p53-activating peptide for acute myeloid leukemia therapy. Biomaterials, 2018, 167, 132-142.	5.7	56
697	Hierarchical Nanoassemblies-Assisted Combinational Delivery of Cytotoxic Protein and Antibiotic for Cancer Treatment. Nano Letters, 2018, 18, 2294-2303.	4.5	71
698	DNA Thioaptamer with Homing Specificity to Lymphoma Bone Marrow Involvement. Molecular Pharmaceutics, 2018, 15, 1814-1825.	2.3	13
699	IR780 based nanomaterials for cancer imaging and photothermal, photodynamic and combinatorial therapies. International Journal of Pharmaceutics, 2018, 542, 164-175.	2.6	105
700	Speciation of Phenanthriplatin and Its Analogs in the Core of Tobacco Mosaic Virus. Journal of the American Chemical Society, 2018, 140, 4279-4287.	6.6	28
701	Tailoring Porous Silicon for Biomedical Applications: From Drug Delivery to Cancer Immunotherapy. Advanced Materials, 2018, 30, e1703740.	11.1	127
702	Tuning the Size of Nanoassembles: A Hierarchical Transfer of Information from Dendrimers to Polyion Complexes. Angewandte Chemie - International Edition, 2018, 57, 5273-5277.	7.2	28
703	Polymer-based gadolinium oxide nanocomposites for FL/MR/PA imaging guided and photothermal/photodynamic combined anti-tumor therapy. Journal of Controlled Release, 2018, 277, 77-88.	4.8	55
704	Size shrinkable drug delivery nanosystems and priming the tumor microenvironment for deep intratumoral penetration of nanoparticles. Journal of Controlled Release, 2018, 277, 35-47.	4.8	113
705	Hierarchical theranostic nanomedicine: MRI contrast agents as a physical vehicle anchor for high drug loading and triggered on-demand delivery. Journal of Materials Chemistry B, 2018, 6, 1995-2003.	2.9	13
706	Diagnosing lung cancer using etoposide microparticles labeled with ^{99m} Tc. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 341-345.	1.9	19
707	Carrying pieces of information in organocatalytic bytes: Semiopoiesisâ€"A new theory of life and its origins. BioSystems, 2018, 164, 167-176.	0.9	5
708	The acidic tumor microenvironment: a target for smart cancer nano-theranostics. National Science Review, 2018, 5, 269-286.	4.6	250
709	The effect of saliva on the fate of nanoparticles. Clinical Oral Investigations, 2018, 22, 929-940.	1.4	37
710	Development of a molecular bioswitch using fluorescence lifetime imaging: Incremental activation of fluorescein diacetate. Journal of Biophotonics, 2018, 11, e201700084.	1.1	5

#	Article	IF	CITATIONS
711	Theoretical model for plasmonic photothermal response of gold nanostructures solutions. Optics Communications, 2018, 410, 108-111.	1.0	12
712	Advanced smart-photosensitizers for more effective cancer treatment. Biomaterials Science, 2018, 6, 79-90.	2.6	82
713	Tumor targeted, stealthy and degradable bismuth nanoparticles for enhanced X-ray radiation therapy of breast cancer. Biomaterials, 2018, 154, 24-33.	5.7	158
714	Affibody molecules for molecular imaging and targeted drug delivery in the management of breast cancer. International Journal of Biological Macromolecules, 2018, 107, 906-919.	3.6	22
715	The Promise and Challenge of <i>In Vivo</i> Delivery for Genome Therapeutics. ACS Chemical Biology, 2018, 13, 376-382.	1.6	69
716	Development and characterization of cationic solid lipid nanoparticles for co-delivery of pemetrexed and miR-21 antisense oligonucleotide to glioblastoma cells. Drug Development and Industrial Pharmacy, 2018, 44, 306-315.	0.9	37
717	Computational approaches to cell–nanomaterial interactions: keeping balance between therapeutic efficiency and cytotoxicity. Nanoscale Horizons, 2018, 3, 6-27.	4.1	44
718	Favorable biodistribution, specific targeting and conditional endosomal escape of RNA nanoparticles in cancer therapy. Cancer Letters, 2018, 414, 57-70.	3.2	56
719	Amino Acid Functionalized Inorganic Nanoparticles as Cutting-Edge Therapeutic and Diagnostic Agents. Bioconjugate Chemistry, 2018, 29, 657-671.	1.8	60
720	Recent advances of controlled drug delivery using microfluidic platforms. Advanced Drug Delivery Reviews, 2018, 128, 3-28.	6.6	241
721	Strategies for the enhanced intracellular delivery of nanomaterials. Drug Discovery Today, 2018, 23, 944-959.	3.2	49
722	Development of a peptide-modified siRNA nanocomplex for hepatic stellate cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 51-61.	1.7	41
723	Liposomes assembled from dimeric retinoic acid phospholipid with improved pharmacokinetic properties. European Journal of Pharmaceutical Sciences, 2018, 112, 186-194.	1.9	14
724	Nanomedicine, an emerging therapeutic strategy for oral cancer therapy. Oral Oncology, 2018, 76, 1-7.	0.8	70
725	Functionalizing PLGA and PLGA Derivatives for Drug Delivery and Tissue Regeneration Applications. Advanced Healthcare Materials, 2018, 7, 1701035.	3.9	173
726	Black Phosphorus Quantum Dots with Renal Clearance Property for Efficient Photodynamic Therapy. Small, 2018, 14, 1702815.	5. 2	168
727	Polyrotaxane-based systemic delivery of \hat{l}^2 -cyclodextrins for potentiating therapeutic efficacy in a mouse model of Niemann-Pick type C disease. Journal of Controlled Release, 2018, 269, 148-158.	4.8	59
728	Red blood cell-like particles with the ability to avoid lung and spleen accumulation for the treatment of liver fibrosis. Biomaterials, 2018, 156, 45-55.	5.7	26

#	ARTICLE	IF	Citations
729	Lipid coated chitosan-DNA nanoparticles for enhanced gene delivery. International Journal of Pharmaceutics, 2018, 535, 473-479.	2.6	92
730	Cell type-specific pharmacological kinase inhibition for cancer chemoprevention. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 317-325.	1.7	12
731	Photoinduced Rapid Transformation from Au Nanoagglomerates to Drugâ€Conjugated Au Nanovesicles. Advanced Science, 2018, 5, 1700563.	5.6	13
732	Nanoparticles of metal–organic cages designed to encapsulate platinum-based anticancer agents. Dalton Transactions, 2018, 47, 670-674.	1.6	25
733	Multivalent Presentation of Peptide Targeting Groups Alters Polymer Biodistribution to Target Tissues. Biomacromolecules, 2018, 19, 71-84.	2.6	17
734	The Effects of Biological Fluids on Colloidal Stability and siRNA Delivery of a pH-Responsive Micellar Nanoparticle Delivery System. ACS Nano, 2018, 12, 187-197.	7.3	52
735	Engineered silica nanoparticles interact differently with lipid monolayers compared to lipid bilayers. Environmental Science: Nano, 2018, 5, 289-303.	2.2	14
736	Bioprosthesis of Core–Shell Gold Nanorod/Serum Albumin Nanoimitation: A Half-Native and Half-Artificial Nanohybrid for Cancer Theranostics. Chemistry of Materials, 2018, 30, 729-747.	3.2	18
737	Recent Advances in Managing Atherosclerosis via Nanomedicine. Small, 2018, 14, 1702793.	5.2	87
738	An implantable depot capable of in situ generation of micelles to achieve controlled and targeted tumor chemotherapy. Acta Biomaterialia, 2018, 67, 122-133.	4.1	16
739	Formulation of Stable and Homogeneous Cell-Penetrating Peptide NF55 Nanoparticles for Efficient Gene Delivery InÂVivo. Molecular Therapy - Nucleic Acids, 2018, 10, 28-35.	2.3	25
740	Ultrasmall-in-Nano Approach: Enabling the Translation of Metal Nanomaterials to Clinics. Bioconjugate Chemistry, 2018, 29, 4-16.	1.8	104
741	Multilayer polyion complex nanoformulations of superoxide dismutase 1 for acute spinal cord injury. Journal of Controlled Release, 2018, 270, 226-236.	4.8	45
742	Intracellularly Actuated Quantum Dot–Peptide–Doxorubicin Nanobioconjugates for Controlled Drug Delivery via the Endocytic Pathway. Bioconjugate Chemistry, 2018, 29, 136-148.	1.8	44
743	Fast, asymmetric and nonhomogeneous clearance of SiC nanoaerosol assessed by micro-particle-induced x-ray emission. Nanomedicine, 2018, 13, 145-155.	1.7	4
744	Unraveling the cell-type dependent radiosensitizing effects of gold through the development of a multifunctional gold nanoparticle. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 439-449.	1.7	13
745	Radiationâ€Sensitive Dendrimerâ€Based Drug Delivery System. Advanced Science, 2018, 5, 1700339.	5.6	53
746	Emerging potential of stimulus-responsive nanosized anticancer drug delivery systems for systemic applications. Archives of Pharmacal Research, 2018, 41, 111-129.	2.7	46

#	Article	IF	CITATIONS
747	Surface charge tunable nanoparticles for TNF- \hat{l}_{\pm} siRNA oral delivery for treating ulcerative colitis. Nano Research, 2018, 11, 2872-2884.	5.8	25
748	Harnessing the lymph node microenvironment. Current Opinion in Organ Transplantation, 2018, 23, 73-82.	0.8	14
749	Tumor acidity activating multifunctional nanoplatform for NIR-mediated multiple enhanced photodynamic and photothermal tumor therapy. Biomaterials, 2018, 157, 107-124.	5.7	190
750	Doxorubicin-loaded silicon nanoparticles impregnated into red blood cells featuring bright fluorescence, strong photostability, and lengthened blood residency. Nano Research, 2018, 11, 2285-2294.	5.8	27
751	Functional peptide-based nanoparticles for photodynamic therapy. Journal of Materials Chemistry B, 2018, 6, 25-38.	2.9	52
752	Dual Roles of Protein as a Template and a Sulfur Provider: A General Approach to Metal Sulfides for Efficient Photothermal Therapy of Cancer. Small, 2018, 14, 1702529.	5.2	120
753	Self-Assembled Hybrid Nanostructures: Versatile Multifunctional Nanoplatforms for Cancer Diagnosis and Therapy. Chemistry of Materials, 2018, 30, 25-53.	3.2	83
754	Manipulating human dendritic cell phenotype and function with targeted porous silicon nanoparticles. Biomaterials, 2018, 155, 92-102.	5.7	34
755	Recent progress on semiconducting polymer nanoparticles for molecular imaging and cancer phototherapy. Biomaterials, 2018, 155, 217-235.	5.7	404
756	Low immunogenic bio-nanocapsule based on hepatitis B virus escape mutants. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 595-600.	1.7	7
757	The role of hydrophobic modification on hyaluronic acid dynamics and self-assembly. Carbohydrate Polymers, 2018, 182, 132-141.	5.1	60
758	Improved pharmacokinetic profile of lipophilic anti-cancer drugs using $\hat{l}\pm\hat{l}\frac{1}{2}\hat{l}^2$ 3-targeted polyurethane-polyurea nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 257-267.	1.7	13
759	A nanocomplex of Cu(II) with theophylline drug; synthesis, characterization, and anticancer activity against K562 cell line. Journal of Molecular Structure, 2018, 1155, 450-456.	1.8	9
760	Theranostic Hyaluronic Acid–Iron Micellar Nanoparticles for Magneticâ€Fieldâ€Enhanced inâ€vivo Cancer Chemotherapy. ChemMedChem, 2018, 13, 78-86.	1.6	43
761	Size-Tunable and Crystalline BODIPY Nanorods for Bioimaging. ACS Biomaterials Science and Engineering, 2018, 4, 1969-1975.	2.6	15
762	Current developments and applications of microfluidic technology toward clinical translation of nanomedicines. Advanced Drug Delivery Reviews, 2018, 128, 54-83.	6.6	159
763	Particle Targeting in Complex Biological Media. Advanced Healthcare Materials, 2018, 7, 1700575.	3.9	94
764	Nanoplumbers: biomaterials to fight cardiovascular diseases. Materials Today, 2018, 21, 122-143.	8.3	38

#	Article	IF	CITATIONS
765	Magnetic Sio < sub > 2 < / sub > -Fe < sub > 3 < / sub > O < sub > 4 < / sub > Nanocomposites as Carriers of Ibuprofen for Controlled Release Applications. Reviews on Advanced Materials Science, 2018, 55, 12-20.	1.4	8
766	Microfluidic Model for Optical Detection of Nanoparticles in Whole Blood. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 59-63.	0.1	1
767	Fabrication and Optimization of Dp44mT-Loaded Nanoparticles. , 2018, 2018, 5733-5736.		4
768	In Silico Models for Nanomedicine: Recent Developments. Current Medicinal Chemistry, 2018, 25, 4192-4207.	1.2	17
769	Disulfideâ€Bridged Organosilica Frameworks: Designed, Synthesis, Redoxâ€Triggered Biodegradation, and Nanobiomedical Applications. Advanced Functional Materials, 2018, 28, 1707325.	7.8	150
770	Rational Design of Nanoparticles with Deep Tumor Penetration for Effective Treatment of Tumor Metastasis. Advanced Functional Materials, 2018, 28, 1801840.	7.8	112
771	Novel Fabrication of Photopatternable Magnetic Hollow Microstructures for Potential Drug Delivery Applications. , $2018, , .$		0
772	Assessment of the targeting specificity of a fluorescent albumin conceived as a preclinical agent of the liver function. Nanoscale, 2018, 10, 21151-21160.	2.8	7
773	Distribution of superparamagnetic Au/Fe nanoparticles in an isolated guinea pig brain with an intact blood brain barrier. Nanoscale, 2018, 10, 22420-22428.	2.8	10
774	Cancer-targeted reactive oxygen species-degradable polymer nanoparticles for near infrared light-induced drug release. Journal of Materials Chemistry B, 2018, 6, 7737-7749.	2.9	19
775	Microfluidics-enabled rapid manufacturing of hierarchical silica-magnetic microflower toward enhanced circulating tumor cell screening. Biomaterials Science, 2018, 6, 3121-3125.	2.6	16
776	Anti-EGFR lipid micellar nanoparticles co-encapsulating quantum dots and paclitaxel for tumor-targeted theranosis. Nanoscale, 2018, 10, 19338-19350.	2.8	45
777	A polymer-free, biomimicry drug self-delivery system fabricated <i>via </i> a synergistic combination of bottom-up and top-down approaches. Journal of Materials Chemistry B, 2018, 6, 7842-7853.	2.9	12
778	Bifunctional scaffolds for the photothermal therapy of breast tumor cells and adipose tissue regeneration. Journal of Materials Chemistry B, 2018, 6, 7728-7736.	2.9	33
779	Polysaccharide Nanoparticles for Targeted Cancer Therapies. Current Drug Metabolism, 2018, 19, 781-792.	0.7	14
780	Nanomedicine for anticancer and antimicrobial treatment: an overview. IET Nanobiotechnology, 2018, 12, 1009-1017.	1.9	10
781	Modified Fe3O4 Magnetic Nanoparticle Delivery of CpG Inhibits Tumor Growth and Spontaneous Pulmonary Metastases to Enhance Immunotherapy. Nanoscale Research Letters, 2018, 13, 240.	3.1	34
782	Regulation of cellular gene expression by nanomaterials. Nano Convergence, 2018, 5, 34.	6.3	15

#	Article	IF	CITATIONS
783	Pulmonary impact of titanium dioxide nanorods: examination of nanorod-exposed rat lungs and human alveolar cells. International Journal of Nanomedicine, 2018, Volume 13, 7061-7077.	3.3	8
784	Laser-Induced Transformable BiS@HSA/DTX Multiple Nanorods for Photoacoustic/Computed Tomography Dual-Modal Imaging Guided Photothermal/Chemo Combinatorial Anticancer Therapy. ACS Applied Materials & Samp; Interfaces, 2018, 10, 41167-41177.	4.0	16
785	pH-Induced Transformation of Biodegradable Multilamellar Nanovectors for Enhanced Tumor Penetration. ACS Macro Letters, 2018, 7, 1394-1399.	2.3	23
786	Developing Nanoceriaâ€Based pHâ€Dependent Cancerâ€Directed Drug Delivery System for Retinoblastoma. Advanced Functional Materials, 2018, 28, 1806248.	7.8	35
787	Mathematical Modeling of Bacteria-Enabled Drug Delivery System Penetration into Multicellular Tumor Spheroids., 2018, 2018, 6162-6165.		3
788	Multistage delivery of CDs-DOX/ICG-loaded liposome for highly penetration and effective chemo-photothermal combination therapy. Drug Delivery, 2018, 25, 1826-1839.	2.5	43
789	Functionalized Keratin as Nanotechnology-Based Drug Delivery System for the Pharmacological Treatment of Osteosarcoma. International Journal of Molecular Sciences, 2018, 19, 3670.	1.8	34
790	Drug-Initiated Synthesis of Cladribine-Based Polymer Prodrug Nanoparticles: Biological Evaluation and Structure Activity Relationships. ACS Symposium Series, 2018, , 201-217.	0.5	0
791	Site-Selective Nucleation and Size Control of Gold Nanoparticle Photothermal Antennae on the Pore Structures of a Virus. Journal of the American Chemical Society, 2018, 140, 17226-17233.	6.6	30
792	The π–π stacking-guided supramolecular self-assembly of nanomedicine for effective delivery of antineoplastic therapies. Nanomedicine, 2018, 13, 3159-3177.	1.7	38
793	Challenges and Opportunities of Nanotechnology as Delivery Platform for Tocotrienols in Cancer Therapy. Frontiers in Pharmacology, 2018, 9, 1358.	1.6	34
794	Electrical-Charge-Mediated Cancer Cell Targeting via Protein Corona-Decorated Superparamagnetic Nanoparticles in a Simulated Physiological Environment. ACS Applied Materials & Diterfaces, 2018, 10, 41986-41998.	4.0	36
795	Targeted Delivery of Bioactive Molecules for Vascular Intervention and Tissue Engineering. Frontiers in Pharmacology, 2018, 9, 1329.	1.6	19
796	ZnO Quantum Dots Modified by pH-Activated Charge-Reversal Polymer for Tumor Targeted Drug Delivery. Polymers, 2018, 10, 1272.	2.0	36
797	A plug and play approach for the decoration of nanoparticles with recombinant proteins. Nanomedicine, 2018, 13, 2547-2550.	1.7	2
798	Highly Efficient In Vivo Targeting of the Pulmonary Endothelium Using Novel Modifications of Polyethylenimine: An Importance of Charge. Advanced Healthcare Materials, 2018, 7, e1800876.	3.9	41
799	Dendrimer-like mesoporous silica nanospheres with suitable surface functionality to combat the multidrug resistance. International Journal of Pharmaceutics, 2018, 553, 349-362.	2.6	10
800	Silica-Based Nanoparticles for Protein Encapsulation and Delivery. Nanomaterials, 2018, 8, 886.	1.9	6

#	ARTICLE	IF	CITATIONS
801	Nanomaterial Interactions with Human Neutrophils. ACS Biomaterials Science and Engineering, 2018, 4, 4255-4265.	2.6	47
802	Anomalous Attachment Behavior of Nanoparticles inside Narrow Channels. Vadose Zone Journal, 2018, 17, 1-9.	1.3	3
803	Integrin $\hat{l}\pm v\hat{l}^2$ 3-Targeted [64Cu]CuS Nanoparticles for PET/CT Imaging and Photothermal Ablation Therapy. Bioconjugate Chemistry, 2018, 29, 4062-4071.	1.8	30
804	How to design preclinical studies in nanomedicine and cell therapy to maximize the prospects of clinical translation. Nature Biomedical Engineering, 2018, 2, 797-809.	11.6	99
805	DNA origami nanostructures can exhibit preferential renal uptake and alleviate acute kidney injury. Nature Biomedical Engineering, 2018, 2, 865-877.	11.6	297
806	Albumin binding, anticancer and antibacterial properties of synthesized zero valent iron nanoparticles. International Journal of Nanomedicine, 2019, Volume 14, 243-256.	3.3	32
807	In vivo SELEX of bone targeting aptamer in prostate cancer bone metastasis model. International Journal of Nanomedicine, 2019, Volume 14, 149-159.	3.3	33
808	Doxorubicin-loaded quaternary ammonium palmitoyl glycol chitosan polymeric nanoformulation: uptake by cells and organs. International Journal of Nanomedicine, 2019, Volume 14, 1-15.	3.3	38
809	Nitric oxide-releasing nanoparticles improve doxorubicin anticancer activity. International Journal of Nanomedicine, 2018, Volume 13, 7771-7787.	3.3	28
810	Gold nanorods-conjugated TiO2 nanoclusters for the synergistic combination of phototherapeutic treatments of cancer cells. Journal of Nanobiotechnology, 2018, 16, 104.	4.2	30
811	Monitoring drug nanocarriers in human blood by near-infrared fluorescence correlation spectroscopy. Nature Communications, 2018, 9, 5306.	5.8	55
812	Engineering Controlled Peritumoral Inflammation to Constrain Brain Tumor Growth. Advanced Healthcare Materials, 2019, 8, e1801076.	3.9	5
813	Drug Transporters. , 2018, , 331-348.		0
814	A Promising Biocompatible Platform: Lipid-Based and Bio-Inspired Smart Drug Delivery Systems for Cancer Therapy. International Journal of Molecular Sciences, 2018, 19, 3859.	1.8	45
815	Acid-Induced Activated Cell-Penetrating Peptide-Modified Cholesterol-Conjugated Polyoxyethylene Sorbitol Oleate Mixed Micelles for pH-Triggered Drug Release and Efficient Brain Tumor Targeting Based on a Charge Reversal Mechanism. ACS Applied Materials & Samp; Interfaces, 2018, 10, 43411-43428.	4.0	39
816	Capsule-Integrated Polypeptide Multilayer Films for Effective pH-Responsive Multiple Drug Co-Delivery. ACS Applied Materials & Drug Co-Delivery. ACS Applied Materials & Drug Co-Delivery.	4.0	19
817	Resveratrol Brain Delivery for Neurological Disorders Prevention and Treatment. Frontiers in Pharmacology, 2018, 9, 1261.	1.6	99
818	Bismuth Ferrite Second Harmonic Nanoparticles for Pulmonary Macrophage Tracking. Small, 2019, 15, e1803776.	5.2	7

#	Article	IF	CITATIONS
819	Perfluorocarbonâ€Based ¹⁹ Fâ€MRI Nanoprobes for Inâ€Vivo Multicolor Imaging. Angewandte Chemie, 2018, 130, 16984-16989.	1.6	11
820	Phytosomes: emergent promising nano vesicular drug delivery system for targeted tumor therapy. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2018, 9, 033001.	0.7	15
821	Size-controlled lipid nanoparticle production using turbulent mixing to enhance oral DNA delivery. Acta Biomaterialia, 2018, 81, 195-207.	4.1	42
822	Delivery of Inorganic Polyphosphate into Cells Using Amphipathic Oligocarbonate Transporters. ACS Central Science, 2018, 4, 1394-1402.	5.3	15
823	Subtle changes in network composition impact the biodistribution and tumor accumulation of nanogels. Chemical Communications, 2018, 54, 11777-11780.	2.2	8
824	Peptide-Induced Self-Assembly of Therapeutics into a Well-Defined Nanoshell with Tumor-Triggered Shape and Charge Switch. Chemistry of Materials, 2018, 30, 7034-7046.	3.2	35
825	Magnetic Force-driven in Situ Selective Intracellular Delivery. Scientific Reports, 2018, 8, 14205.	1.6	7
826	PEGylated Multistimuli-Responsive Dendritic Prodrug-Based Nanoscale System for Enhanced Anticancer Activity. ACS Applied Materials & Interfaces, 2018, 10, 35770-35783.	4.0	40
827	Programmed pH/reduction-responsive nanoparticles for efficient delivery of antitumor agents in vivo. Acta Biomaterialia, 2018, 81, 219-230.	4.1	26
828	Current approaches for safer design of engineered nanomaterials. Ecotoxicology and Environmental Safety, 2018, 166, 294-300.	2.9	25
829	Polymeric Nanoparticles Explored for Drug-Delivery Applications. ACS Symposium Series, 2018, , 315-331.	0.5	7
830	Gefitinib-loaded Nanoparticles with Folic Acid-modified Dextran Surface Prepared by Flash Nanoprecipitation. Chemistry Letters, 2018, 47, 1405-1408.	0.7	7
831	Nanosecond-Laser-Based Charge Transfer Plasmon Engineering of Solution-Assembled Nanodimers. Nano Letters, 2018, 18, 7014-7020.	4.5	21
832	Design of Gold Hollow Nanorods with Controllable Aspect Ratio for Multimodal Imaging and Combined Chemo-Photothermal Therapy in the Second Near-Infrared Window. ACS Applied Materials & Lamp; Interfaces, 2018, 10, 36703-36710.	4.0	74
833	Targeting of NLRP3 inflammasome with gene editing for the amelioration of inflammatory diseases. Nature Communications, 2018, 9, 4092.	5.8	142
834	One-step fabricated keratin nanoparticles as pH and redox-responsive drug nanocarriers. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1920-1934.	1.9	17
835	Granzyme B-loaded, cell-selective penetrating and reduction-responsive polymersomes effectively inhibit progression of orthotopic human lung tumor in vivo. Journal of Controlled Release, 2018, 290, 141-149.	4.8	52
836	Mechanosensitive Endocytosis of High-Stiffness, Submicron Microgels in Macrophage and Hepatocarcinoma Cell Lines. ACS Applied Bio Materials, 2018, 1, 1254-1265.	2.3	12

#	Article	IF	CITATIONS
837	Targeted Theranostic Nanoparticles for Brain Tumor Treatment. Pharmaceutics, 2018, 10, 181.	2.0	85
838	Enhancing Antitumor Efficacy by Simultaneous ATPâ€Responsive Chemodrug Release and Cancer Cell Sensitization Based on a Smart Nanoagent. Advanced Science, 2018, 5, 1801201.	5.6	35
839	Advances in Carbon Nanotubes for Malignant Melanoma: A Chance for Treatment. Molecular Diagnosis and Therapy, 2018, 22, 703-715.	1.6	20
840	Nanoemulsion-Based Delivery of Fluorescent PARP Inhibitors in Mouse Models of Small Cell Lung Cancer. Bioconjugate Chemistry, 2018, 29, 3776-3782.	1.8	15
841	Establishing the effects of mesoporous silica nanoparticle properties on in vivo disposition using imaging-based pharmacokinetics. Nature Communications, 2018, 9, 4551.	5.8	189
842	Deep Tumorâ€Penetrated Nanocages Improve Accessibility to Cancer Stem Cells for Photothermalâ€Chemotherapy of Breast Cancer Metastasis. Advanced Science, 2018, 5, 1801012.	5.6	62
843	In Situ Proapoptotic Peptide-Generating Rapeseed Protein-Based Nanocomplexes Synergize Chemotherapy for Cathepsin-B Overexpressing Breast Cancer. ACS Applied Materials & Diterfaces, 2018, 10, 41056-41069.	4.0	29
844	Safety Assessment of Graphene-Based Materials: Focus on Human Health and the Environment. ACS Nano, 2018, 12, 10582-10620.	7.3	438
845	Extending the Scope of "Living―Crystallization-Driven Self-Assembly: Well-Defined 1D Micelles and Block Comicelles from Crystallizable Polycarbonate Block Copolymers. Journal of the American Chemical Society, 2018, 140, 17127-17140.	6.6	77
846	Nanoparticles That Deliver RNA to Bone Marrow Identified by in Vivo Directed Evolution. Journal of the American Chemical Society, 2018, 140, 17095-17105.	6.6	80
847	Protein Corona Formed from Different Blood Plasma Proteins Affects the Colloidal Stability of Nanoparticles Differently. Bioconjugate Chemistry, 2018, 29, 3923-3934.	1.8	49
848	Probing Internalization Effects and Biocompatibility of Ultrasmall Zirconium Metal-Organic Frameworks UiO-66 NP in U251 Glioblastoma Cancer Cells. Nanomaterials, 2018, 8, 867.	1.9	18
849	Histone-Mimetic Gold Nanoparticles as Versatile Scaffolds for Gene Transfer and Chromatin Analysis. Bioconjugate Chemistry, 2018, 29, 3691-3704.	1.8	5
850	Would antioxidant-loaded nanoparticles present an effective treatment for ischemic stroke?. Nanomedicine, 2018, 13, 2327-2340.	1.7	25
851	Tumor-Acidity-Cleavable Maleic Acid Amide (TACMAA): A Powerful Tool for Designing Smart Nanoparticles To Overcome Delivery Barriers in Cancer Nanomedicine. Accounts of Chemical Research, 2018, 51, 2848-2856.	7.6	195
852	Effective and Targeted Human Orthotopic Glioblastoma Xenograft Therapy via a Multifunctional Biomimetic Nanomedicine. Advanced Materials, 2018, 30, e1803717.	11.1	148
853	Endogenously Triggerable Ultrasmall-in-Nano Architectures: Targeting Assessment on 3D Pancreatic Carcinoma Spheroids. ACS Omega, 2018, 3, 11796-11801.	1.6	31
854	Integrin-Mediated Delivery of Drugs and Nucleic Acids for Anti-Angiogenic Cancer Therapy: Current Landscape and Remaining Challenges. Bioengineering, 2018, 5, 76.	1.6	16

#	Article	IF	CITATIONS
855	Highly Efficient Copper Sulfideâ∈Based Nearâ∈Infrared Photothermal Agents: Exploring the Limits of Macroscopic Heat Conversion. Small, 2018, 14, e1803282.	5.2	54
856	Stimuli-Responsive Nano-Architecture Drug-Delivery Systems to Solid Tumor Micromilieu: Past, Present, and Future Perspectives. ACS Nano, 2018, 12, 10636-10664.	7.3	320
857	In Vivo and Cellular Trafficking of Acetalated Dextran Microparticles for Delivery of a Host-Directed Therapy for <i>Salmonella enterica</i> Serovar Typhi Infection. Molecular Pharmaceutics, 2018, 15, 5336-5348.	2.3	16
858	Perfluorocarbonâ€Based ¹⁹ Fâ€MRI Nanoprobes for Inâ€Vivo Multicolor Imaging. Angewandte Chemie - International Edition, 2018, 57, 16742-16747.	7.2	73
859	Facile fabrication of highly photothermal-effective albumin-assisted gold nanoclusters for treating breast cancer. International Journal of Pharmaceutics, 2018, 553, 363-374.	2.6	19
860	De Novo Design of Phototheranostic Sensitizers Based on Structure-Inherent Targeting for Enhanced Cancer Ablation. Journal of the American Chemical Society, 2018, 140, 15820-15826.	6.6	167
861	Reconstituted HDL: Drug Delivery Platform for Overcoming Biological Barriers to Cancer Therapy. Frontiers in Pharmacology, 2018, 9, 1154.	1.6	47
862	Wormâ€Like Biomimetic Nanoerythrocyte Carrying siRNA for Melanoma Gene Therapy. Small, 2018, 14, e1803002.	5.2	41
863	The influence of nanoparticle shape on bilateral exocytosis from Caco-2 cells. Chinese Chemical Letters, 2018, 29, 1815-1818.	4.8	27
864	A core/shell stabilized polysaccharide-based nanoparticle with intracellular environment-sensitive drug delivery for breast cancer therapy. Journal of Materials Chemistry B, 2018, 6, 6646-6659.	2.9	21
865	Fabrication of $\hat{l}\pm$ -cyclodextrin/polypeptide micellar gold nanoshell for synergistic photothermal-chemotherapy. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	5
866	I-motif-coated exosomes as a pH-sensitive carrier for anticancer drugs. Applied Biological Chemistry, 2018, 61, 599-606.	0.7	23
867	Noble metal nanoparticles with anisotropy in shape and surface functionality for biomedical applications., 2018,, 313-333.		2
868	Therapeutic Peptide Amphiphile as a Drug Carrier with ATP-Triggered Release for Synergistic Effect, Improved Therapeutic Index, and Penetration of 3D Cancer Cell Spheroids. International Journal of Molecular Sciences, 2018, 19, 2773.	1.8	11
869	Microfluidic Processing Approach to Controlling Drug Delivery Properties of Curcumin-Loaded Block Copolymer Nanoparticles. Molecular Pharmaceutics, 2018, 15, 4517-4528.	2.3	34
870	Immunomodulating Nanomedicine for Cancer Therapy. Nano Letters, 2018, 18, 6655-6659.	4.5	121
871	Enhanced Transdermal Drug Delivery by Transfersome-Embedded Oligopeptide Hydrogel for Topical Chemotherapy of Melanoma. ACS Nano, 2018, 12, 9693-9701.	7.3	177
872	Evaluation of Toxicity and Neural Uptake In Vitro and In Vivo of Superparamagnetic Iron Oxide Nanoparticles. International Journal of Molecular Sciences, 2018, 19, 2613.	1.8	29

#	Article	IF	CITATIONS
873	Photosensitizer and Autophagy Promoter Coloaded ROSâ€Responsive Dendrimerâ€Assembled Carrier for Synergistic Enhancement of Tumor Growth Suppression. Small, 2018, 14, e1802337.	5.2	44
874	Different Nanoformulations Alter the Tissue Distribution of Paclitaxel, Which Aligns with Reported Distinct Efficacy and Safety Profiles. Molecular Pharmaceutics, 2018, 15, 4505-4516.	2.3	15
876	Theranostic Colloidal Nanoparticles of Pyrrolopyrrole Cyanine Derivatives for Simultaneous Near-Infrared Fluorescence Cancer Imaging and Photothermal Therapy. ACS Applied Bio Materials, 2018, 1, 1109-1117.	2.3	15
877	The potential of biomimetic nanoparticles for tumor-targeted drug delivery. Nanomedicine, 2018, 13, 2099-2118.	1.7	55
878	Alternating block copolymer-based nanoparticles as tools to modulate the loading of multiple chemotherapeutics and imaging probes. Acta Biomaterialia, 2018, 80, 341-351.	4.1	20
879	Nano based drug delivery systems: recent developments and future prospects. Journal of Nanobiotechnology, 2018, 16, 71.	4.2	3,689
880	Leutusome: A Biomimetic Nanoplatform Integrating Plasma Membrane Components of Leukocytes and Tumor Cells for Remarkably Enhanced Solid Tumor Homing. Nano Letters, 2018, 18, 6164-6174.	4.5	111
881	Surface enhanced resonance Raman spectroscopy (SERRS) for probing through plastic and tissue barriers using a handheld spectrometer. Analyst, The, 2018, 143, 5965-5973.	1.7	23
882	Optimization of a Degradable Polymer–Lipid Nanoparticle for Potent Systemic Delivery of mRNA to the Lung Endothelium and Immune Cells. Nano Letters, 2018, 18, 6449-6454.	4.5	141
883	Templated synthesis of spherical RNA nanoparticles with gene silencing activity. Chemical Communications, 2018, 54, 11296-11299.	2.2	12
884	Perspectives of nanotechnology in male fertility and sperm function. International Journal of Veterinary Science and Medicine, 2018, 6, 265-269.	0.8	68
885	Preparation and Characterization of pH Sensitive Drug Liposomes. , 2018, , 1-24.		1
886	Cell-based drug delivery systems for biomedical applications. Nano Research, 2018, 11, 5240-5257.	5.8	55
887	Lactoferrin-conjugated pH and redox-sensitive polymersomes based on PEG-S-S-PLA-PCL-OH boost delivery of bacosides to the brain. Nanoscale, 2018, 10, 17781-17798.	2.8	27
888	Adaptive Polymersome and Micelle Morphologies in Anticancer Nanomedicine: From Design Rationale to Fabrication and Proofâ€ofâ€Concept Studies. Advanced Therapeutics, 2018, 1, 1800068.	1.6	12
889	Recent insights into the development of nucleic acid-based nanoparticles for tumor-targeted drug delivery. Colloids and Surfaces B: Biointerfaces, 2018, 172, 315-322.	2.5	24
890	Preparation and characterization of alginate based-fluorescent magnetic nanoparticles for fluorescence/magnetic resonance multimodal imaging applications. Japanese Journal of Applied Physics, 2018, 57, 06HE03.	0.8	3
891	Residence time and uptake of porous and cationic maltodextrin-based nanoparticles in the nasal mucosa: Comparison with anionic and cationic nanoparticles. International Journal of Pharmaceutics, 2018, 550, 316-324.	2.6	25

#	Article	IF	CITATIONS
892	Peptide-Functionalized Hydrogel Cubes for Active Tumor Cell Targeting. Biomacromolecules, 2018, 19, 4084-4097.	2.6	20
893	Lipid nanoemulsion passive tumor accumulation dependence on tumor stage and anatomical location: a new mathematical model for <i>in vivo</i> imaging biodistribution studies. Journal of Materials Chemistry B, 2018, 6, 7306-7316.	2.9	7
894	Nanoparticles in Cancer Treatment: Opportunities and Obstacles. Current Drug Targets, 2018, 19, 1696-1709.	1.0	145
895	Exploiting the biomolecular corona: pre-coating of nanoparticles enables controlled cellular interactions. Nanoscale, 2018, 10, 10731-10739.	2.8	101
896	Radiolabelled nanoparticles for cancer diagnosis. Clinical and Translational Imaging, 2018, 6, 271-292.	1.1	15
897	Enzyme/pH-sensitive dendritic polymer-DOX conjugate for cancer treatment. Science China Materials, 2018, 61, 1462-1474.	3.5	28
898	<sup> $111sup>In-labelled polymeric nanoparticles incorporating a ruthenium-based radiosensitizer for EGFR-targeted combination therapy in oesophageal cancer cells. Nanoscale, 2018, 10, 10596-10608.$	2.8	58
899	Advancements in Nanomedicine for Multiple Myeloma. Trends in Molecular Medicine, 2018, 24, 560-574.	3. 5	23
900	Virionâ€Like Membraneâ€Breaking Nanoparticles with Tumorâ€Activated Cellâ€andâ€Tissue Dualâ€Penetration Conquer Impermeable Cancer. Advanced Materials, 2018, 30, e1707240.	11.1	102
901	Programmed Nanoparticleâ€Loaded Nanoparticles for Deepâ€Penetrating 3D Cancer Therapy. Advanced Materials, 2018, 30, e1707557.	11.1	82
902	Phospholipid–Block Copolymer Hybrid Vesicles with Lysosomal Escape Ability. Langmuir, 2018, 34, 6874-6886.	1.6	20
903	Light-Induced Hypoxia-Triggered Living Nanocarriers for Synergistic Cancer Therapy. ACS Applied Materials & Samp; Interfaces, 2018, 10, 19398-19407.	4.0	62
904	Active targeted dual-modal CT/MR imaging of VX2 tumors using PEGylated BaGdF ₅ nanoparticles conjugated with RGD. New Journal of Chemistry, 2018, 42, 11565-11572.	1.4	8
905	The correlation between gelatin macroscale differences and nanoparticle properties: providing insight into biopolymer variability. Nanoscale, 2018, 10, 10094-10108.	2.8	6
906	Polymeric Interventions for Microbial Infections: A Review. Molecular Pharmaceutics, 2018, 15, 2910-2921.	2.3	21
907	Dual-Responsive Polyphosphoester-Doxorubicin Prodrug Containing a Diselenide Bond: Synthesis, Characterization, and Drug Delivery. ACS Biomaterials Science and Engineering, 2018, 4, 2443-2452.	2.6	43
908	Macroporous silica nanoparticles for delivering Bcl2-function converting peptide to treat multidrug resistant-cancer cells. Journal of Colloid and Interface Science, 2018, 527, 141-150.	5.0	12
909	Regulating the Uptake of Viral Nanoparticles in Macrophage and Cancer Cells via a pH Switch. Molecular Pharmaceutics, 2018, 15, 2984-2990.	2.3	11

#	Article	IF	CITATIONS
910	Apigenin loaded nanoparticle delayed development of hepatocellular carcinoma in rats. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 1905-1917.	1.7	77
911	Hyaluronic acid-conjugated pH-sensitive liposomes for targeted delivery of prednisolone on rheumatoid arthritis therapy. Nanomedicine, 2018, 13, 1037-1049.	1.7	40
912	Degradable Polymers and Nanoparticles Built from Salicylic Acid. Macromolecular Rapid Communications, 2018, 39, e1800182.	2.0	10
913	Biodegradable, Hydrogen Peroxide, and Glutathione Dual Responsive Nanoparticles for Potential Programmable Paclitaxel Release. Journal of the American Chemical Society, 2018, 140, 7373-7376.	6.6	161
914	Advances in targeted nanotherapeutics: From bioconjugation to biomimicry. Nano Research, 2018, 11, 4999-5016.	5.8	60
915	Glycogen-nucleic acid constructs for gene silencing in multicellular tumor spheroids. Biomaterials, 2018, 176, 34-49.	5.7	35
916	Multiscale smeared finite element model for mass transport in biological tissue: From blood vessels to cells and cellular organelles. Computers in Biology and Medicine, 2018, 99, 7-23.	3.9	39
917	Nanocomplexes of Photolabile Polyelectrolyte and Upconversion Nanoparticles for Near-Infrared Light-Triggered Payload Release. ACS Applied Materials & Samp; Interfaces, 2018, 10, 20790-20800.	4.0	24
918	The Blood Clearance Kinetics and Pathway of Polymeric Micelles in Cancer Drug Delivery. ACS Nano, 2018, 12, 6179-6192.	7.3	186
919	Size-, Shape- and Charge-Dependent Pharmacokinetics of Radiolabeled Nanoparticles. Biological and Medical Physics Series, 2018, , 313-329.	0.3	0
920	Investigation on vascular cytotoxicity and extravascular transport of cationic polymer nanoparticles using perfusable 3D microvessel model. Acta Biomaterialia, 2018, 76, 154-163.	4.1	26
921	Novel theranostic nanoplatform for complete mice tumor elimination via MR imaging-guided acid-enhanced photothermo-/chemo-therapy. Biomaterials, 2018, 177, 40-51.	5.7	92
922	Morphology Control of Mesoporous Silica Particles Using Bile Acids as Cosurfactants. Chemistry of Materials, 2018, 30, 4168-4175.	3.2	31
923	In Situ Template Polymerization to Prepare Liposomeâ€Coated PDMAEMA Nanogels with Controlled Size, High Stability, Low Cytotoxicity, and Responsive Drug Release for Intracellular DOX Release. Macromolecular Chemistry and Physics, 2018, 219, 1800071.	1.1	11
924	A polyethyleneimine-driven self-assembled nanoplatform for fluorescence and MR dual-mode imaging guided cancer chemotherapy. Chemical Engineering Journal, 2018, 350, 69-78.	6.6	26
925	Co-delivery of paclitaxel and gemcitabine by methoxy poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Anti-Cancer Drugs, 2018, 29, 637-645.	0 147 Td (0.7	(glycol)–p 13
926	Tumor-Targeted Therapy. , 2018, , 273-290.		1
927	Hydroxyethyl starch stabilized polydopamine nanoparticles for cancer chemotherapy. Chemical Engineering Journal, 2018, 349, 129-145.	6.6	65

#	Article	IF	CITATIONS
928	Modulation of the Cellular Uptake of DNA Origami through Control over Mass and Shape. Nano Letters, 2018, 18, 3557-3564.	4.5	183
929	DOX/ICG Coencapsulated Liposome-Coated Thermosensitive Nanogels for NIR-Triggered Simultaneous Drug Release and Photothermal Effect. ACS Biomaterials Science and Engineering, 2018, 4, 2424-2434.	2.6	83
930	Combination of fucoidan-based magnetic nanoparticles and immunomodulators enhances tumour-localized immunotherapy. Nature Nanotechnology, 2018, 13, 746-754.	15.6	218
931	Redox-Responsive Micellar Nanoparticles from Glycosaminoglycans for CD44 Targeted Drug Delivery. Biomacromolecules, 2018, 19, 2991-2999.	2.6	26
932	ROS-responsive selenium-containing polyphosphoester nanogels for activated anticancer drug release. Materials Today Chemistry, 2018, 9, 34-42.	1.7	21
933	Electrostatically motivated design of biomimetic nanoparticles: Promoting specific adhesion and preventing nonspecific adhesion simultaneously. Applied Physics Letters, 2018, 112, .	1.5	4
934	Selfâ€Assembly and Stabilization of Hybrid Cowpea Chlorotic Mottle Virus Particles under Nearly Physiological Conditions. Chemistry - an Asian Journal, 2018, 13, 3518-3525.	1.7	12
935	Comb-like Poly(N-(2-hydroxypropyl) methacrylamide) Doxorubicin Conjugates: The Influence of Polymer Architecture and Composition on the Biological Properties. Chinese Journal of Polymer Science (English Edition), 2018, 36, 1225-1238.	2.0	8
936	Cell-penetrating peptides in nanodelivery of nucleic acids and drugs., 2018,, 67-104.		0
937	Bone Targeted Delivery of SDF-1 via Alendronate Functionalized Nanoparticles in Guiding Stem Cell Migration. ACS Applied Materials & Samp; Interfaces, 2018, 10, 23700-23710.	4.0	45
938	The role of nanoparticles in the improvement of systemic anticancer drug delivery. Therapeutic Delivery, 2018, 9, 527-545.	1.2	8
939	Exosomes as Theranostics for Lung Cancer. Advances in Cancer Research, 2018, 139, 1-33.	1.9	52
940	Imidazole-Bearing Polymeric Micelles for Enhanced Cellular Uptake, Rapid Endosomal Escape, and On-demand Cargo Release. AAPS PharmSciTech, 2018, 19, 2610-2619.	1.5	16
941	Responsive polymer nanoparticles for drug delivery applications. , 2018, , 289-320.		17
942	Particle-loaded gels. , 2018, , 143-178.		0
943	Nucleoside Analogue-Based Supramolecular Nanodrugs Driven by Molecular Recognition for Synergistic Cancer Therapy. Journal of the American Chemical Society, 2018, 140, 8797-8806.	6.6	95
944	Diagnosis of immunomarkers <i>in vivo via</i> multiplexed surface enhanced Raman spectroscopy with gold nanostars. Nanoscale, 2018, 10, 13092-13105.	2.8	45
945	Specific T cell induction using iron oxide based nanoparticles as subunit vaccine adjuvant. Human Vaccines and Immunotherapeutics, 2018, 14, 1-16.	1.4	26

#	Article	IF	CITATIONS
946	Bisphosphonate conjugation for bone specific drug targeting. Bone Reports, 2018, 9, 47-60.	0.2	120
947	Induction of a Na ⁺ /K ⁺ -ATPase-dependent form of autophagy triggers preferential cell death of human immunodeficiency virus type-1-infected macrophages. Autophagy, 2018, 14, 1359-1375.	4.3	26
948	Bioengineered Approaches for Site Orientation of Peptide-Based Ligands of Nanomaterials. , 2018, , 139-169.		5
949	Double-sided effect of tumor microenvironment on platelets targeting nanoparticles. Biomaterials, 2018, 183, 258-267.	5.7	25
950	Pre-drug Self-assembled Nanoparticles: Recovering activity and overcoming glutathione-associated cell antioxidant resistance against photodynamic therapy. Free Radical Biology and Medicine, 2018, 124, 431-446.	1.3	5
951	Exploiting poly(α-hydroxy acids) for the acid-mediated release of doxorubicin and reversible inside–out nanoparticle self-assembly. Nanoscale, 2018, 10, 14201-14206.	2.8	6
952	Fluorescence-guided magnetic nanocarriers for enhanced tumor targeting photodynamic therapy. Journal of Materials Chemistry B, 2018, 6, 4676-4686.	2.9	13
953	Pretargeting in nuclear imaging and radionuclide therapy: Improving efficacy of theranostics and nanomedicines. Biomaterials, 2018, 179, 209-245.	5.7	124
954	Tumor-adapting and tumor-remodeling AuNR@dendrimer-assembly nanohybrids overcome impermeable multidrug-resistant cancer. Materials Horizons, 2018, 5, 1047-1057.	6.4	33
955	Developments of Cyanobacteria for Nano-Marine Drugs: Relevance of Nanoformulations in Cancer Therapies. Marine Drugs, 2018, 16, 179.	2.2	54
956	Biomimetic nanoparticles with enhanced affinity towards activated endothelium as versatile tools for theranostic drug delivery. Theranostics, 2018, 8, 1131-1145.	4.6	89
957	Low-power and low-drug-dose photodynamic chemotherapy via the breakdown of tumor-targeted micelles by reactive oxygen species. Journal of Controlled Release, 2018, 286, 240-253.	4.8	16
958	Normothermic ex-vivo liver perfusion: where do we stand and where to reach?. Expert Review of Gastroenterology and Hepatology, 2018, 12, 1045-1058.	1.4	11
959	Strategies to improve micelle stability for drug delivery. Nano Research, 2018, 11, 4985-4998.	5.8	311
960	Block copolymer crystalsomes withÂan ultrathin shell to extend blood circulation time. Nature Communications, 2018, 9, 3005.	5.8	61
961	Nanotherapeutics to Modulate the Compromised Micro-Environment for Lung Cancers and Chronic Obstructive Pulmonary Disease. Frontiers in Pharmacology, 2018, 9, 759.	1.6	10
962	Photosensitizers with Aggregationâ€Induced Emission: Materials and Biomedical Applications. Advanced Materials, 2018, 30, e1801350.	11.1	611
963	Robust Removal of Ligands from Noble Metal Nanoparticles by Electrochemical Strategies. ACS Catalysis, 2018, 8, 8484-8492.	5.5	52

#	Article	IF	CITATIONS
964	Combating head and neck cancer metastases by targeting Src using multifunctional nanoparticle-based saracatinib. Journal of Hematology and Oncology, 2018, 11, 85.	6.9	39
965	Preface: A New Era of Nanoimmunology. Current Pharmaceutical Biotechnology, 2018, 19, 2-4.	0.9	O
966	Negative regulation of cationic nanoparticle-induced inflammatory toxicity through the increased production of prostaglandin E2 via mitochondrial DNA-activated Ly6C ⁺ monocytes. Theranostics, 2018, 8, 3138-3152.	4.6	25
968	Carbon Dotsâ€Clusterâ€DOX Nanocomposites Fabricated by a Coâ€Selfâ€Assembly Strategy for Tumorâ€Targete Bioimaging and Therapy. Particle and Particle Systems Characterization, 2018, 35, 1800190.	ed 1.2	24
969	Modifying Self-Assembled Peptide Cages To Control Internalization into Mammalian Cells. Nano Letters, 2018, 18, 5933-5937.	4.5	26
970	Enhanced Permeability and Retention-like Extravasation of Nanoparticles from the Vasculature into Tuberculosis Granulomas in Zebrafish and Mouse Models. ACS Nano, 2018, 12, 8646-8661.	7.3	89
971	The Cytotoxic Effects of Betulin-Conjugated Gold Nanoparticles as Stable Formulations in Normal and Melanoma Cells. Frontiers in Pharmacology, 2018, 9, 429.	1.6	42
972	Targeted Delivery of Functionalized Upconversion Nanoparticles for Externally Triggered Photothermal/Photodynamic Therapies of Brain Glioblastoma. Theranostics, 2018, 8, 1435-1448.	4.6	154
973	Multi-Stimuli-Responsive Polymer Particles, Films, and Hydrogels for Drug Delivery. CheM, 2018, 4, 2084-2107.	5.8	245
974	Sprayable Adhesive Nanotherapeutics: Mussel-Protein-Based Nanoparticles for Highly Efficient Locoregional Cancer Therapy. ACS Nano, 2018, 12, 8909-8919.	7.3	39
975	Sustained Connexin43 Mimetic Peptide Release From Loaded Nanoparticles Reduces Retinal and Choroidal Photodamage., 2018, 59, 3682.		30
976	Nanoformulations: A Novel Approach Against Hypoxia. , 2018, , 231-256.		2
977	pH-responsive charge-reversal polymer-functionalized boron nitride nanospheres for intracellular doxorubicin delivery. International Journal of Nanomedicine, 2018, Volume 13, 641-652.	3.3	43
978	Theranostic micelles combined with multiple strategies to effectively overcome multidrug resistance. Nanomedicine, 2018, 13, 1517-1533.	1.7	9
979	Top-down fabrication of shape-controlled, monodisperse nanoparticles for biomedical applications. Advanced Drug Delivery Reviews, 2018, 132, 169-187.	6.6	135
980	Near-infrared light triggered drug release from mesoporous silica nanoparticles. Journal of Materials Chemistry B, 2018, 6, 7112-7121.	2.9	57
981	Nanotherapeutics for Treatment of Pulmonary Arterial Hypertension. Frontiers in Physiology, 2018, 9, 890.	1.3	23
982	A Novel DNA Aptamer for Dual Targeting of Polymorphonuclear Myeloid-derived Suppressor Cells and Tumor Cells. Theranostics, 2018, 8, 31-44.	4.6	44

#	Article	IF	CITATIONS
983	Magnetite-Gold nanohybrids as ideal all-in-one platforms for theranostics. Scientific Reports, 2018, 8, 11295.	1.6	77
984	From Marine Origin to Therapeutics: The Antitumor Potential of Marine Algae-Derived Compounds. Frontiers in Pharmacology, 2018, 9, 777.	1.6	138
985	Enhanced biocompatibility of PAMAM dendrimers benefiting from tuning their surface charges. Materials Science and Engineering C, 2018, 93, 332-340.	3.8	28
986	Intracellular Delivery by Membrane Disruption: Mechanisms, Strategies, and Concepts. Chemical Reviews, 2018, 118, 7409-7531.	23.0	490
987	Cancer hallmarks and malignancy features: Gateway for improved targeted drug delivery. Biotechnology Advances, 2018, 36, 1928-1945.	6.0	35
988	Inorganic nanoparticles for theranostic use. , 2018, , 351-376.		3
989	Nanoengineering of Soft Polymer Particles for Exploring Bio-Nano Interactions. , 2018, , 393-419.		1
990	Non-viral gene therapy using multifunctional nanoparticles: Status, challenges, and opportunities. Coordination Chemistry Reviews, 2018, 374, 133-152.	9.5	67
991	Red Blood Cell-Shaped Microparticles with a Red Blood Cell Membrane Demonstrate Prolonged Circulation Time in Blood. ACS Biomaterials Science and Engineering, 2018, 4, 2729-2732.	2.6	17
992	Dual-Mode Imaging Guided Multifunctional Theranosomes with Mitochondria Targeting for Photothermally Controlled and Enhanced Photodynamic Therapy in Vitro and in Vivo. Molecular Pharmaceutics, 2018, 15, 3318-3331.	2.3	33
993	Morphology Tuning of Aggregation-Induced Emission Probes by Flash Nanoprecipitation: Shape and Size Effects on in Vivo Imaging. ACS Applied Materials & Samp; Interfaces, 2018, 10, 25186-25193.	4.0	50
994	Magnetic solid lipid nanoparticles co-loaded with albendazole as an anti-parasitic drug: Sonochemical preparation, characterization, and in vitro drug release. Journal of Molecular Liquids, 2018, 268, 11-18.	2.3	20
995	Cell Membrane–Camouflaged Colloid Motors for Biomedical Applications. Advanced Therapeutics, 2018, 1, 1800056.	1.6	46
996	Distribution of Glutathione-Stabilized Gold Nanoparticles in Feline Fibrosarcomas and Their Role as a Drug Delivery System for Doxorubicin—Preclinical Studies in a Murine Model. International Journal of Molecular Sciences, 2018, 19, 1021.	1.8	11
997	A Lipophilic IR-780 Dye-Encapsulated Zwitterionic Polymer-Lipid Micellar Nanoparticle for Enhanced Photothermal Therapy and NIR-Based Fluorescence Imaging in a Cervical Tumor Mouse Model. International Journal of Molecular Sciences, 2018, 19, 1189.	1.8	26
998	Generation of Well-Defined Micro/Nanoparticles via Advanced Manufacturing Techniques for Therapeutic Delivery. Materials, 2018, 11, 623.	1.3	19
999	Photopatternable Magnetic Hollowbots by Nd-Fe-B Nanocomposite for Potential Targeted Drug Delivery Applications. Micromachines, 2018, 9, 182.	1.4	4
1000	Covalent Organic Frameworks: From Materials Design to Biomedical Application. Nanomaterials, 2018, 8, 15.	1.9	134

#	ARTICLE	IF	CITATIONS
1001	A Modular Coassembly Approach to All-In-One Multifunctional Nanoplatform for Synergistic Codelivery of Doxorubicin and Curcumin. Nanomaterials, 2018, 8, 167.	1.9	27
1002	Biodistribution and Toxicity of Micellar Platinum Nanoparticles in Mice via Intravenous Administration. Nanomaterials, 2018, 8, 410.	1.9	30
1003	Engineered nanomaterials and human health: Part 2. Applications and nanotoxicology (IUPAC) Tj ETQq0 0 0 rgBT	Overlock	10 Tf 50 662 27
1004	Loss of integrity of doxorubicin liposomes during transcellular transportation evidenced by fluorescence resonance energy transfer effect. Colloids and Surfaces B: Biointerfaces, 2018, 171, 224-232.	2.5	14
1005	Aggregation State of Metal-Based Nanomaterials at the Pulmonary Surfactant Film Determines Biophysical Inhibition. Environmental Science & Environment	4.6	38
1006	Analyzing 2000 <i>in Vivo</i> Drug Delivery Data Points Reveals Cholesterol Structure Impacts Nanoparticle Delivery. ACS Nano, 2018, 12, 8341-8349.	7.3	93
1007	Gold Nanoparticles for Targeting Varlitinib to Human Pancreatic Cancer Cells. Pharmaceutics, 2018, 10, 91.	2.0	14
1008	Cobalt oxide nanoparticles mediate tau denaturation and cytotoxicity against PC-12 cell line. International Journal of Biological Macromolecules, 2018, 118, 1763-1772.	3.6	12
1009	Engineering a 3D DNA-Logic Gate Nanomachine for Bispecific Recognition and Computing on Target Cell Surfaces. Journal of the American Chemical Society, 2018, 140, 9793-9796.	6.6	214
1010	Development of optical nanoprobes for molecular imaging of reactive oxygen and nitrogen species. Nano Research, 2018, 11, 5258-5280.	5.8	39
1011	Combinatorial Approach in Rationale Design of Polymeric Nanomedicines for Cancer., 2018,, 371-398.		1
1012	Erythrocyte-Derived Optical Nanoprobes Doped with Indocyanine Green-Bound Albumin: Material Characteristics and Evaluation for Cancer Cell Imaging. ACS Biomaterials Science and Engineering, 2018, 4, 3055-3062.	2.6	6
1013	Efficacy of anesthetic rice nanogel on pain reduction in human oral cavity. Drug Discoveries and Therapeutics, 2018, 12, 31-36.	0.6	8
1014	Smart micelleplexes. , 2018, , 257-291.		6
1015	Compartmentalized nanoparticles in aqueous solution through hierarchical self-assembly of triblock glycopolymers. Polymer Chemistry, 2018, 9, 4132-4142.	1.9	26
1016	Self-immolative micellar drug delivery: The linker matters. Nano Research, 2018, 11, 6177-6189.	5.8	24
1017	Tripeptide-Stabilized Oil-in-Water Nanoemulsion of an Oleic Acids–Platinum(II) Conjugate as an Anticancer Nanomedicine. Bioconjugate Chemistry, 2018, 29, 2514-2519.	1.8	11
1018	Glutathione-Responsive Self-Assembled Magnetic Gold Nanowreath for Enhanced Tumor Imaging and Imaging-Guided Photothermal Therapy. ACS Nano, 2018, 12, 8129-8137.	7.3	131

#	Article	IF	Citations
1019	Biodegradable, Drug‣oaded Nanovectors via Direct Hydration as a New Platform for Cancer Therapeutics. Small, 2018, 14, e1703774.	5.2	19
1020	Bimetallic zeolitic imidazolate framework as an active excipient of curcumin under physiological condition. Biomedical Physics and Engineering Express, 2018, 4, 055004.	0.6	16
1021	MMP-Responsive †Smart†Drug Delivery and Tumor Targeting. Trends in Pharmacological Sciences, 2018, 39, 766-781.	4.0	185
1022	Multimodal Microscopy Distinguishes Extracellular Aggregation and Cellular Uptake of Singleâ€Walled Carbon Nanohorns. Chemistry - A European Journal, 2018, 24, 14162-14170.	1.7	7
1023	Characterization of curcumin loaded gliadin-lecithin composite nanoparticles fabricated by antisolvent precipitation in different blending sequences. Food Hydrocolloids, 2018, 85, 185-194.	5.6	80
1024	Ultrasmall noble metal nanoparticles: Breakthroughs and biomedical implications. Nano Today, 2018, 21, 106-125.	6.2	127
1025	Bioengineered Macrophages Can Responsively Transform into Nanovesicles To Target Lung Metastasis. Nano Letters, 2018, 18, 4762-4770.	4.5	69
1026	Localized delivery of curcumin into brain with polysorbate 80-modified cerasomes by ultrasound-targeted microbubble destruction for improved Parkinson's disease therapy. Theranostics, 2018, 8, 2264-2277.	4.6	137
1027	Liposomal borrelidin for treatment of metastatic breast cancer. Drug Delivery and Translational Research, 2018, 8, 1380-1388.	3.0	7
1028	A review on core–shell structured unimolecular nanoparticles for biomedical applications. Advanced Drug Delivery Reviews, 2018, 130, 58-72.	6.6	63
1029	Functionalization of graphene family nanomaterials for application in cancer therapy. Colloids and Surfaces B: Biointerfaces, 2018, 171, 260-275.	2.5	69
1030	Nanoparticle uptake by circulating leukocytes: A major barrier to tumor delivery. Journal of Controlled Release, 2018, 286, 85-93.	4.8	36
1031	Cerasomes and Bicelles: Hybrid Bilayered Nanostructures With Silica-Like Surface in Cancer Theranostics. Frontiers in Chemistry, 2018, 6, 127.	1.8	25
1032	Sonosensitive MRI Nanosystems as Cancer Theranostics: A Recent Update. Frontiers in Chemistry, 2018, 6, 157.	1.8	12
1033	Development of a functionalized UV-emitting nanocomposite for the treatment of cancer using indirect photodynamic therapy. Journal of Nanobiotechnology, 2018, 16, 19.	4.2	31
1034	Liposomesâ€Camouflaged Redoxâ€Responsive Nanogels to Resolve the Dilemma between Extracellular Stability and Intracellular Drug Release. Macromolecular Bioscience, 2018, 18, e1800049.	2.1	18
1035	Liposomal delivery of a Pin1 inhibitor complexed with cyclodextrins as new therapy for high-grade serous ovarian cancer. Journal of Controlled Release, 2018, 281, 1-10.	4.8	29
1036	Hybrid Polyester Self-Immolative Polymer Nanoparticles for Controlled Drug Release. ACS Omega, 2018, 3, 5002-5011.	1.6	21

#	ARTICLE	IF	CITATIONS
1037	Y ₁ -receptor–ligand-functionalized ultrasmall upconversion nanoparticles for tumor-targeted trimodality imaging and photodynamic therapy with low toxicity. Nanoscale, 2018, 10, 17038-17052.	2.8	36
1038	A new cancer immunotherapy via simultaneous DCâ€mobilization and DCâ€targeted IDO gene silencing using an immuneâ€stimulatory nanosystem. International Journal of Cancer, 2018, 143, 2039-2052.	2.3	27
1039	NVP-BEZ235/Chlorin-e6 co-loaded nanoparticles ablate breast cancer by biochemical and photodynamic synergistic effects. Nano Research, 2018, 11, 4846-4858.	5.8	6
1040	Flat Cell Culturing Surface May Cause Misinterpretation of Cellular Uptake of Nanoparticles. Advanced Biology, 2018, 2, 1800046.	3.0	7
1041	5-Aminolevulinic Acid-Squalene Nanoassemblies for Tumor Photodetection and Therapy: In Vitro Studies. Nanoscale Research Letters, 2018, 13, 10.	3.1	22
1042	Control of cationic nanogel PEGylation in heterogeneous ARGET ATRP emulsion polymerization with PEG macromonomers. Journal of Polymer Science Part A, 2018, 56, 1536-1544.	2.5	14
1043	Walking the line: The fate of nanomaterials at biological barriers. Biomaterials, 2018, 174, 41-53.	5.7	125
1044	Bioinspired Shielding Strategies for Nanoparticle Drug Delivery Applications. Molecular Pharmaceutics, 2018, 15, 2900-2909.	2.3	81
1045	Effect of obesity on biodistribution of nanoparticles. Journal of Controlled Release, 2018, 281, 11-18.	4.8	22
1046	Integration of phospholipid-hyaluronic acid-methotrexate nanocarrier assembly and amphiphilic drug–drug conjugate for synergistic targeted delivery and combinational tumor therapy. Biomaterials Science, 2018, 6, 1818-1833.	2.6	29
1047	Tumor Specific and Renal Excretable Star-like Triblock Polymer–Doxorubicin Conjugates for Safe and Efficient Anticancer Therapy. Biomacromolecules, 2018, 19, 2849-2862.	2.6	14
1048	A Broadâ€Spectrum ROSâ€Eliminating Material for Prevention of Inflammation and Drugâ€Induced Organ Toxicity. Advanced Science, 2018, 5, 1800781.	5.6	93
1049	An Intravascular Magnetic Catheter Enables the Retrieval of Nanoagents from the Bloodstream. Advanced Science, 2018, 5, 1800807.	5 . 6	37
1050	Multifunctional Nanosystem for Targeted and Controlled Delivery of Multiple Chemotherapeutic Agents for the Treatment of Drug-Resistant Breast Cancer. ACS Omega, 2018, 3, 9210-9219.	1.6	36
1051	Magnetic targeting of paclitaxel-loaded poly(lactic- co -glycolic acid)-based nanoparticles for the treatment of glioblastoma. International Journal of Nanomedicine, 2018, Volume 13, 4509-4521.	3.3	73
1052	Reduction of liver fibrosis by rationally designed macromolecular telmisartan prodrugs. Nature Biomedical Engineering, 2018, 2, 822-830.	11.6	26
1053	Dual Acting Polymeric Nano-Aggregates for Liver Cancer Therapy. Pharmaceutics, 2018, 10, 63.	2.0	13
1054	High-spatial-resolution x-ray fluorescence tomography with spectrally matched nanoparticles. Physics in Medicine and Biology, 2018, 63, 164001.	1.6	35

#	Article	IF	CITATIONS
1055	Ultrasmall gold nanosatellite-bearing transformable hybrid nanoparticles for deep tumor penetration. Acta Biomaterialia, 2018, 79, 294-305.	4.1	20
1056	Surface-Functionalization of Zr-Fumarate MOF for Selective Cytotoxicity and Immune System Compatibility in Nanoscale Drug Delivery. ACS Applied Materials & Samp; Interfaces, 2018, 10, 31146-31157.	4.0	121
1057	Lightâ€Triggered Biomimetic Nanoerythrocyte for Tumorâ€Targeted Lung Metastatic Combination Therapy of Malignant Melanoma. Small, 2018, 14, e1801754.	5.2	89
1058	Recent advances in & amp; quot; smart & amp; quot; delivery systems for extended drug release in cancer therapy. International Journal of Nanomedicine, 2018, Volume 13, 4727-4745.	3.3	179
1059	Magnetite Nanocontainers: Toward Injectable Highly Magnetic Materials for Targeted Drug Delivery. ACS Applied Materials & Drug Delivery. ACS Applied Materials & Drug Delivery.	4.0	20
1060	Synthesis of hafnium nanoparticles and hafnium nanoparticle films by gas condensation and energetic deposition. Beilstein Journal of Nanotechnology, 2018, 9, 1868-1880.	1.5	6
1061	Trends towards Biomimicry in Theranostics. Nanomaterials, 2018, 8, 637.	1.9	14
1062	<i>DeepScreen</i> : An Accurate, Rapid, and Antiâ€Interference Screening Approach for Nanoformulated Medication by Deep Learning. Advanced Science, 2018, 5, 1800909.	5.6	13
1063	Biodegradable nanoparticles bearing amine groups as a strategy to alter surface features, biological identity and accumulation in a lung metastasis model. Journal of Materials Chemistry B, 2018, 6, 5922-5930.	2.9	4
1064	Bioinstructive Naringin‣oaded Micelles for Guiding Stem Cell Osteodifferentiation. Advanced Healthcare Materials, 2018, 7, e1800890.	3.9	19
1065	Effect of the development of a cell barrier on nanoparticle uptake in endothelial cells. Nanoscale, 2018, 10, 16645-16656.	2.8	21
1066	Excipients used in oral nanocarrier-based formulations. , 2018, , 279-342.		1
1067	Reduction-sensitive CD44 receptor-targeted hyaluronic acid derivative micelles for doxorubicin delivery. International Journal of Nanomedicine, 2018, Volume 13, 4361-4378.	3.3	38
1068	Multifunctional PEGylated Albumin/IR780/Iron Oxide Nanocomplexes for Cancer Photothermal Therapy and MR Imaging. Nanotheranostics, 2018, 2, 106-116.	2.7	28
1069	GraftFast Surface Engineering to Improve MOF Nanoparticles Furtiveness. Small, 2018, 14, e1801900.	5.2	69
1070	Effects of arginine-based surface modifications of liposomes for drug delivery in Caco-2 colon carcinoma cells. Biochemical Engineering Journal, 2018, 139, 8-14.	1.8	4
1071	Fabrication of an activatable hybrid persistent luminescence nanoprobe for background-free bioimaging-guided investigation of food-borne aflatoxin <i>in vivo</i> . RSC Advances, 2018, 8, 28414-28420.	1.7	7
1072	Tumor heterogeneity and nanoparticle-mediated tumor targeting: the importance of delivery system personalization. Drug Delivery and Translational Research, 2018, 8, 1508-1526.	3.0	28

#	Article	IF	CITATIONS
1073	Enhanced chemotherapeutic toxicity of cyclodextrin templated size-tunable rhodamine 6G nanoGUMBOS. Journal of Materials Chemistry B, 2018, 6, 5451-5459.	2.9	15
1074	Cancer Cell-Derived, Drug-Loaded Nanovesicles Induced by Sulfhydryl-Blocking for Effective and Safe Cancer Therapy. ACS Nano, 2018, 12, 9568-9577.	7.3	71
1075	Controlling Morphology and Release Behavior of Sorafenib-Loaded Nanocarriers Prepared by Flash Nanoprecipitation. Industrial & Engineering Chemistry Research, 2018, 57, 11911-11919.	1.8	15
1076	Engineered nanomaterials for their applications in theragnostics. Journal of Industrial and Engineering Chemistry, 2018, 66, 20-28.	2.9	10
1077	Chemical Modifications of Porous Carbon Nanospheres Obtained from Ubiquitous Precursors for Targeted Drug Delivery and Live Cell Imaging. ACS Sustainable Chemistry and Engineering, 2018, 6, 8503-8514.	3.2	22
1078	Filtration initiated selective homogeneity (FISH) desolvation: A new method to prepare gelatin nanoparticles with high physicochemical consistency. Food Hydrocolloids, 2018, 84, 337-342.	5.6	5
1079	Nanocapsule-mediated cytosolic siRNA delivery for anti-inflammatory treatment. Journal of Controlled Release, 2018, 283, 235-240.	4.8	28
1080	Photo-triggered release of 5-fluorouracil from a MOF drug delivery vehicle. Chemical Communications, 2018, 54, 7617-7620.	2.2	92
1081	Low-Fouling and Biodegradable Protein-Based Particles for Thrombus Imaging. ACS Nano, 2018, 12, 6988-6996.	7.3	30
1082	Nanoparticles of Metalâ€Organic Frameworks: On the Road to In Vivo Efficacy in Biomedicine. Advanced Materials, 2018, 30, e1707365.	11.1	459
1083	Ultrasound Triggered Conversion of Porphyrin/Camptothecin-Fluoroxyuridine Triad Microbubbles into Nanoparticles Overcomes Multidrug Resistance in Colorectal Cancer. ACS Nano, 2018, 12, 7312-7326.	7.3	115
1084	A versatile method for the selective core-crosslinking of hyaluronic acid nanogels <i>via</i> ketone-hydrazide chemistry: from chemical characterization to <i>in vivo</i> biodistribution. Biomaterials Science, 2018, 6, 1754-1763.	2.6	16
1085	Alleviating the Liver Toxicity of Chemotherapy via pH-Responsive Hepatoprotective Prodrug Micelles. ACS Applied Materials & Distriction (2018), 10, 21836-21846.	4.0	39
1086	Lightâ€Activatable Assembled Nanoparticles to Improve Tumor Penetration and Eradicate Metastasis in Triple Negative Breast Cancer. Advanced Functional Materials, 2018, 28, 1801738.	7.8	37
1087	Pre-adsorption of antibodies enables targeting of nanocarriers despite a biomolecular corona. Nature Nanotechnology, 2018, 13, 862-869.	15.6	210
1088	Antibody-pHPMA functionalised fluorescent silica nanoparticles for colorectal carcinoma targeting. RSC Advances, 2018, 8, 21679-21689.	1.7	6
1089	Chemotherapy Sensitizes Therapy-Resistant Cells to Mild Hyperthermia by Suppressing Heat Shock Protein 27 Expression in Triple-Negative Breast Cancer. Clinical Cancer Research, 2018, 24, 4900-4912.	3.2	24
1090	mRNA Delivery System for Targeting Antigenâ€Presenting Cells In Vivo. Advanced Healthcare Materials, 2018, 7, e1800335.	3.9	58

#	Article	IF	CITATIONS
1091	Intracellular delivery and biodistribution study of CRISPR/Cas9 ribonucleoprotein loaded bioreducible lipidoid nanoparticles. Biomaterials Science, 2019, 7, 596-606.	2.6	74
1092	Smart nanocarrier-based drug delivery systems for cancer therapy and toxicity studies: A review. Journal of Advanced Research, 2019, 15, 1-18.	4.4	674
1093	Folate Ligand Orientation Optimized during Cell Membrane Mimetic Micelle Formation for Enhanced Tumor Cell Targeting. Langmuir, 2019, 35, 1257-1265.	1.6	15
1094	Probing the biological obstacles of nanomedicine with gold nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2019, 11, e1542.	3.3	51
1095	Protein–Metal″on Networks: A Unique Approach toward Metal Sulfide Nanoparticles Embedded In Situ in Nanocomposites. Chemistry - A European Journal, 2019, 25, 904-912.	1.7	10
1096	Biological Logic Gate Using Gold Nanoparticles and Fluorescence Lifetime Imaging Microscopy. ACS Applied Nano Materials, 2019, 2, 6527-6536.	2.4	26
1097	Siteâ€Specific Construction of Longâ€Term Drug Depot for Suppression of Tumor Recurrence. Small, 2019, 15, e1901813.	5.2	29
1098	Systematic comparison of methods for determining the in vivo biodistribution of porous nanostructured injectable inorganic particles. Acta Biomaterialia, 2019, 97, 501-512.	4.1	7
1099	Metalâ€based phosphorus dendrimers as novel nanotherapeutic strategies to tackle cancers: A concise overview. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2019, 11, e1577.	3.3	13
1100	Prodrugs as drug delivery system in oncology. Cancer Chemotherapy and Pharmacology, 2019, 84, 937-958.	1.1	23
1101	<p>Capping gold nanoparticles with albumin to improve their biomedical properties</p> . International Journal of Nanomedicine, 2019, Volume 14, 6387-6406.	3.3	119
1102	Realâ€Time Quantification of Cell Internalization Kinetics by Functionalized Bioluminescent Nanoprobes. Advanced Materials, 2019, 31, e1902469.	11.1	10
1103	Influence of Cross-linking Agents on Drug Delivery Behavior of Magnetic Nanohydrogels Made of Polyvinyl Alcohol and Chitosan. BioNanoScience, 2019, 9, 883-892.	1.5	6
1104	Electrospun Nanofibers for Drug Delivery and Biosensing. ACS Biomaterials Science and Engineering, 2019, 5, 4183-4205.	2.6	114
1105	Multidisciplinary Role of Mesoporous Silica Nanoparticles in Brain Regeneration and Cancers: From Crossing the Blood–Brain Barrier to Treatment. Particle and Particle Systems Characterization, 2019, 36, 1900195.	1.2	45
1106	Survey of Clinical Translation of Cancer Nanomedicinesâ€"Lessons Learned from Successes and Failures. Accounts of Chemical Research, 2019, 52, 2445-2461.	7.6	333
1107	Tissue-Specific Delivery of Oligonucleotides. Methods in Molecular Biology, 2019, 2036, 17-50.	0.4	6
1108	Factorial Design as a Tool for the Optimization of PLGA Nanoparticles for the Co-Delivery of Temozolomide and O6-Benzylguanine. Pharmaceutics, 2019, 11, 401.	2.0	38

#	Article	IF	CITATIONS
1109	Glutathione-Priming Nanoreactors Enable Fluorophore Core/Shell Transition for Precision Cancer Imaging. ACS Applied Materials & Samp; Interfaces, 2019, 11, 33667-33675.	4.0	5
1110	The application of nanotechnology in enhancing immunotherapy for cancer treatment: current effects and perspective. Nanoscale, 2019, 11, 17157-17178.	2.8	59
1111	Virus-Sized Gold Nanorods: Plasmonic Particles for Biology. Accounts of Chemical Research, 2019, 52, 2124-2135.	7.6	54
1112	Tumor-targeting glycol chitosan nanocarriers: overcoming the challenges posed by chemotherapeutics. Expert Opinion on Drug Delivery, 2019, 16, 835-846.	2.4	6
1113	Membrane-encapsulated camouflaged nanomedicines in drug delivery. Nanomedicine, 2019, 14, 2067-2082.	1.7	28
1114	Dopamine Delivery via pHâ€Sensitive Nanoparticles for Tumor Blood Vessel Normalization and an Improved Effect of Cancer Chemotherapeutic Drugs. Advanced Healthcare Materials, 2019, 8, e1900283.	3.9	36
1115	A Multiresponsive Nanohybrid to Enhance the Lysosomal Delivery of Oxygen and Photosensitizers. Chemistry - A European Journal, 2019, 25, 12801-12809.	1.7	2
1116	Polymeric Micelles Employing Platinum(II) Linker for the Delivery of the Kinase Inhibitor Dactolisib. Particle and Particle Systems Characterization, 2019, 36, 1900236.	1.2	3
1117	Understanding Cancer Cell Behavior Through 3D Printed Bone Microenvironments., 2019,, 163-189.		0
1118	Bioinspired nanoplatform for enhanced delivery efficiency of doxorubicin into nucleus with fast endocytosis, lysosomal pH-triggered drug release, and reduced efflux. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110413.	2.5	5
1119	Host–Guest Interactions Initiated Supramolecular Chitosan Nanogels for Selective Intracellular Drug Delivery. ACS Applied Materials & Samp; Interfaces, 2019, 11, 28665-28670.	4.0	79
1120	Sustained delivery and molecular targeting of a therapeutic monoclonal antibody to metastases in the central nervous system of mice. Nature Biomedical Engineering, 2019, 3, 706-716.	11.6	75
1121	Immunotoxicity Considerations for Next Generation Cancer Nanomedicines. Advanced Science, 2019, 6, 1900133.	5.6	54
1122	Octreotide Nanoparticles Showed Affinity for In Vivo MIA Paca-2 Inducted Pancreas Ductal Adenocarcinoma Mimicking Pancreatic Polypeptide-Secreting Tumor of the Distal Pancreas (PPoma). Pharmaceutical Research, 2019, 36, 143.	1.7	9
1123	Current outlook on radionuclide delivery systems: from design consideration to translation into clinics. Journal of Nanobiotechnology, 2019, 17, 90.	4.2	65
1124	Doped Graphene Quantum Dots for Intracellular Multicolor Imaging and Cancer Detection. ACS Biomaterials Science and Engineering, 2019, 5, 4671-4682.	2.6	68
1125	Selective pericellular hydrogelation by the overexpression of an enzyme and a membrane receptor. Nanoscale, 2019, 11, 13714-13719.	2.8	30
1126	Glutathione responsive poly(HPMA) conjugate nanoparticles for efficient 6-MP delivery. New Journal of Chemistry, 2019, 43, 12215-12220.	1.4	4

#	Article	IF	CITATIONS
1127	Nanoencapsulated Quercetin Improves Cardioprotection during Hypoxia-Reoxygenation Injury through Preservation of Mitochondrial Function. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-14.	1.9	56
1128	Molecular recognition based rapid diagnosis of immunoglobulins via proteomic profiling of protein-nanoparticle complexes. International Journal of Biological Macromolecules, 2019, 138, 156-167.	3.6	10
1129	Quality-by-Design Approach for Biological API Encapsulation into Polymersomes Using "Off-the-Shelf― Materials: a Study on L-Asparaginase. AAPS PharmSciTech, 2019, 20, 251.	1.5	14
1130	Drug Delivery: Localized and Systemic Therapeutic Strategies with Polymer Systems. Polymers and Polymeric Composites, 2019, , 1079-1134.	0.6	3
1131	In vivo ultrasound-activated delivery of recombinant tissue plasminogen activator from the cavity of sub-micrometric capsules. Journal of Controlled Release, 2019, 308, 162-171.	4.8	21
1132	Dynamics of individual Brownian rods in a microchannel flow. Soft Matter, 2019, 15, 5810-5814.	1.2	15
1134	Size-Controllable Magnetic Iron Oxide Nanorods for Biomarker Targeting and Improving Microfluidic Mixing. ACS Applied Bio Materials, 2019, 2, 3362-3371.	2.3	7
1135	Integrating nanomedicine into clinical radiotherapy regimens. Advanced Drug Delivery Reviews, 2019, 144, 35-56.	6.6	32
1136	Zirconyl Hydrogenphosphate Nanocontainers for Flexible Transport and Release of Lipophilic Cytostatics, Insecticides, and Antibiotics. Advanced Functional Materials, 2019, 29, 1900543.	7.8	9
1137	Dissolution of silver nanoparticles in colloidal consumer products: effects of particle size and capping agent. Journal of Nanoparticle Research, 2019, 21, 1-155.	0.8	24
1139	Role of Nanoparticle Mechanical Properties in Cancer Drug Delivery. ACS Nano, 2019, 13, 7410-7424.	7.3	243
1140	A tumor microenvironment model coupled with a mass spectrometry system to probe the metabolism of drug-loaded nanoparticles. Chemical Communications, 2019, 55, 10218-10221.	2.2	12
1141	Efficient nanocarriers of siRNA therapeutics for cancer treatment. Translational Research, 2019, 214, 62-91.	2.2	121
1142	A neutral water-soluble mitochondria-targeting polymer. Chemical Communications, 2019, 55, 10015-10018.	2.2	27
1143	Nanomedicine and Drug Delivery Systems in Overcoming Resistance to Targeted Therapy. Resistance To Targeted Anti-cancer Therapeutics, 2019, , 291-312.	0.1	0
1144	Bioinspired lipoproteins-mediated photothermia remodels tumor stroma to improve cancer cell accessibility of second nanoparticles. Nature Communications, 2019, 10, 3322.	5.8	91
1145	Transferrin-decorated thymoquinone-loaded PEG-PLGA nanoparticles exhibit anticarcinogenic effect in non-small cell lung carcinoma <i>via</i> the modulation of miR-34a and miR-16. Biomaterials Science, 2019, 7, 4325-4344.	2.6	52
1146	Single small molecule-assembled nanoparticles mediate efficient oral drug delivery. Nano Research, 2019, 12, 2468-2476.	5.8	36

#	Article	IF	CITATIONS
1147	Fabrication of H $<$ sub $>$ 2 $<$ /sub $>$ 0 $<$ sub $>$ 2 $<$ /sub $>$ -driven nanoreactors for innovative cancer treatments. Nanoscale, 2019, 11, 16164-16186.	2.8	46
1148	Nanocarrier systems assembled from PEGylated hyperbranched poly(arylene oxindole). European Polymer Journal, 2019, 119, 247-259.	2.6	7
1149	Co-delivery of everolimus and vinorelbine via a tumor-targeted liposomal formulation inhibits tumor growth and metastasis in RCC $\langle p \rangle$. International Journal of Nanomedicine, 2019, Volume 14, 5109-5123.	3.3	30
1150	Energyâ€Free, Singlet Oxygenâ€Based Chemodynamic Therapy for Selective Tumor Treatment without Dark Toxicity. Advanced Healthcare Materials, 2019, 8, e1900366.	3.9	57
1151	Boosting the Ferroptotic Antitumor Efficacy via Site-Specific Amplification of Tailored Lipid Peroxidation. ACS Applied Materials & Samp; Interfaces, 2019, 11, 29655-29666.	4.0	68
1152	Photoluminescent and biodegradable porous silicon nanoparticles for biomedical imaging. Journal of Materials Chemistry B, 2019, 7, 6271-6292.	2.9	45
1153	Gelatinâ∈Based Capsules through Interfacial Polymerization: Batch and Continuous Flow Synthesis. Chemical Engineering and Technology, 2019, 42, 2119-2126.	0.9	0
1154	Biohybrid Nanoparticles to Negotiate with Biological Barriers. Small, 2019, 15, e1902333.	5.2	22
1155	Clinical scale synthesis of intrinsically radiolabeled and cyclic RGD peptide functionalized 198Au nanoparticles for targeted cancer therapy. Nuclear Medicine and Biology, 2019, 72-73, 1-10.	0.3	31
1156	Glutathione-Mediated Clearable Nanoparticles Based on Ultrasmall Gd ₂ O ₃ for MSOT/CT/MR Imaging Guided Photothermal/Radio Combination Cancer Therapy. Molecular Pharmaceutics, 2019, 16, 3489-3501.	2.3	37
1157	A TRAIL-Delivered Lipoprotein-Bioinspired Nanovector Engineering Stem Cell-Based Platform for Inhibition of Lung Metastasis of Melanoma. Theranostics, 2019, 9, 2984-2998.	4.6	27
1158	Local T regulatory cells depletion by an integrated nanodrug system for efficient chem-immunotherapy of tumor. Science China Chemistry, 2019, 62, 1230-1244.	4.2	18
1159	Plant-Based Natural Polymeric Nanoparticles as Promising Carriers for Anticancer Therapeutics., 2019, , 293-318.		8
1160	Matrix-dependent size modifications of iron oxide nanoparticles (Ferumoxytol) spiked into rat blood cells and plasma: Characterisation with TEM, AF4-UV-MALS-ICP-MS/MS and spICP-MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1124, 356-365.	1.2	24
1161	Engineered borate ester conjugated protein-polymer nanoconjugates for pH-responsive drug delivery. Materials Science and Engineering C, 2019, 104, 109914.	3.8	26
1162	Black Phosphorus-Based Multimodal Nanoagent: Showing Targeted Combinatory Therapeutics against Cancer Metastasis. Nano Letters, 2019, 19, 5587-5594.	4.5	73
1163	Carrier-Enhanced Anticancer Efficacy of Sunitinib-Loaded Green Tea-Based Micellar Nanocomplex beyond Tumor-Targeted Delivery. ACS Nano, 2019, 13, 7591-7602.	7.3	67
1164	A reactive oxygen species-generating, cancer stem cell-potent manganese(<scp>ii</scp>) complex and its encapsulation into polymeric nanoparticles. Chemical Science, 2019, 10, 7792-7800.	3.7	49

#	Article	IF	Citations
1165	Glutathione from recovered glucose as ingredient in antioxidant nanocapsules for triggered flavor delivery. Journal of Materials Chemistry B, 2019, 7, 3958-3969.	2.9	5
1166	Biomimetic nanoparticles and self-propelled micromotors for biomedical applications. , 2019, , 1-31.		2
1167	Organic polymer particles for biomedical applications. , 2019, , 59-111.		3
1168	Enzyme-activatable polymer–drug conjugate augments tumour penetration and treatment efficacy. Nature Nanotechnology, 2019, 14, 799-809.	15.6	555
1169	Challenges of using lipopolysaccharides for cancer immunotherapy and potential delivery-based solutions thereto. Therapeutic Delivery, 2019, 10, 165-187.	1.2	11
1170	Electronic structures of a cerasome surface model. Japanese Journal of Applied Physics, 2019, 58, SIID04.	0.8	0
1171	Light-activated drug release from a hyaluronic acid targeted nanoconjugate for cancer therapy. Journal of Materials Chemistry B, 2019, 7, 4843-4853.	2.9	26
1172	Cytotoxic effects and apoptosis induction of cisplatin-loaded iron oxide nanoparticles modified with chitosan in human breast cancer cells. Molecular Biology Reports, 2019, 46, 5033-5039.	1.0	18
1173	Biodegradable micro-sized discoidal polymeric particles for lung-targeted delivery system. Biomaterials, 2019, 218, 119331.	5.7	20
1174	Adaptive Polymeric Assemblies for Applications in Biomimicry and Nanomedicine. Biomacromolecules, 2019, 20, 4053-4064.	2.6	21
1175	Three-Component Sequential Reactions for Polymeric Nanoparticles with Tailorable Core and Surface Functionalities. CheM, 2019, 5, 3166-3183.	5.8	6
1176	Sizeâ€Optimized Ultrasmall Porous Silica Nanoparticles Depict Vasculatureâ€Based Differential Targeting in Triple Negative Breast Cancer. Small, 2019, 15, e1903747.	5.2	39
1177	Pâ€13.12: The Lifetime and Yield Improvement by Plasma Treatment to Anode Surface in Active Matrix Organic Light Emitting Diode Display. Digest of Technical Papers SID International Symposium, 2019, 50, 988-988.	0.1	0
1178	MicroRNA delivery through nanoparticles. Journal of Controlled Release, 2019, 313, 80-95.	4.8	235
1179	Lipid nanoparticles of Type-A CpG D35 suppress tumor growth by changing tumor immune-microenvironment and activate CD8 T cells in mice. Journal of Controlled Release, 2019, 313, 106-119.	4.8	35
1180	<p>Top-down fabrication-based nano/microparticles for molecular imaging and drug delivery</p> . International Journal of Nanomedicine, 2019, Volume 14, 6631-6644.	3.3	44
1181	Development and in vitro assessment of an anti-tumor nano-formulation. Colloids and Surfaces B: Biointerfaces, 2019, 184, 110481.	2.5	6
1182	Essentials of Bioinformatics, Volume II. , 2019, , .		1

#	Article	IF	CITATIONS
1183	The Hemocompatibility of Nanoparticles: A Review of Cellâ€"Nanoparticle Interactions and Hemostasis. Cells, 2019, 8, 1209.	1.8	204
1184	NanoRNP Overcomes Tumor Heterogeneity in Cancer Treatment. Nano Letters, 2019, 19, 7662-7672.	4.5	45
1185	Triggered All-Active Metal Organic Framework: Ferroptosis Machinery Contributes to the Apoptotic Photodynamic Antitumor Therapy. Nano Letters, 2019, 19, 7866-7876.	4.5	228
1186	Fusion dynamics of cubosome nanocarriers with model cell membranes. Nature Communications, 2019, 10, 4492.	5.8	73
1187	Hydrothermal Liquefaction of an Animal Carcass for Biocrude Oil. Energy & E	2.5	25
1188	Robust Photothermal Nanodrugs Based on Covalent Assembly of Nonpigmented Biomolecules for Antitumor Therapy. ACS Applied Materials & Samp; Interfaces, 2019, 11, 41898-41905.	4.0	48
1190	Highly Biocompatible Functionalized Layerâ€byâ€Layer Ginger Lipid Nano Vectors Targeting Pâ€Selectin for Delivery of Doxorubicin to Treat Colon Cancer. Advanced Therapeutics, 2019, 2, 1900129.	1.6	17
1191	Lightâ€Responsive Serinolâ€Based Polyurethane Nanocarrier for Controlled Drug Release. Macromolecular Rapid Communications, 2019, 40, e1900348.	2.0	16
1192	Unraveling In Vivo Brain Transport of Proteinâ€Coated Fluorescent Nanodiamonds. Small, 2019, 15, e1902992.	5.2	35
1193	Expression of Concern: Adaptive rank-reduction method for seismic data reconstruction. Journal of Geophysics and Engineering, 2019, 16, 1015-1015.	0.7	1
1194	Recent Advances in Nanostrategies Capable of Overcoming Biological Barriers for Tumor Management. Advanced Materials, 2020, 32, e1904337.	11.1	130
1195	Intratumor Performance and Therapeutic Efficacy of PAMAM Dendrimers Carried by Clustered Nanoparticles. Nano Letters, 2019, 19, 8947-8955.	4.5	41
1196	Doxycycline-encapsulated solid lipid nanoparticles for the enhanced antibacterial potential to treat the chronic brucellosis and preventing its relapse: in vivo study. Annals of Clinical Microbiology and Antimicrobials, 2019, 18, 33.	1.7	20
1197	A stage-specific cancer chemotherapy strategy through flexible combination of reduction-activated charge-conversional core-shell nanoparticles. Theranostics, 2019, 9, 6532-6549.	4.6	16
1198	Blood TfR+ exosomes separated by a pH-responsive method deliver chemotherapeutics for tumor therapy. Theranostics, 2019, 9, 7680-7696.	4.6	67
1199	Preparation and characterization of dithiocarbazate Schiff base–loaded poly(lactic acid) nanoparticles and analytical validation for drug quantification. Colloid and Polymer Science, 2019, 297, 1465-1475.	1.0	4
1200	Nanoparticle Delivery and Tumor Vascular Normalization: The Chicken or The Egg?. Frontiers in Oncology, 2019, 9, 1227.	1.3	47
1201	Gemcitabine Combination Nano Therapies for Pancreatic Cancer. Pharmaceutics, 2019, 11, 574.	2.0	58

#	Article	IF	CITATIONS
1202	Advances in Lipid and Metal Nanoparticles for Antimicrobial Peptide Delivery. Pharmaceutics, 2019, 11, 588.	2.0	81
1203	A Microbial Siderophore-Inspired Self-Gelling Hydrogel for Noninvasive Anticancer Phototherapy. Cancer Research, 2019, 79, 6178-6189.	0.4	20
1205	A Perspective on Polylactic Acid-Based Polymers Use for Nanoparticles Synthesis and Applications. Frontiers in Bioengineering and Biotechnology, 2019, 7, 259.	2.0	285
1206	Chemical Modulation of Bioengineered Exosomes for Tissueâ€Specific Biodistribution. Advanced Therapeutics, 2019, 2, 1900111.	1.6	26
1207	Self-Assembled and Self-Monitored Sorafenib/Indocyanine Green Nanodrug with Synergistic Antitumor Activity Mediated by Hyperthermia and Reactive Oxygen Species-Induced Apoptosis. ACS Applied Materials & Samp; Interfaces, 2019, 11, 43996-44006.	4.0	35
1208	Nanoscale Covalent Organic Framework for Combinatorial Antitumor Photodynamic and Photothermal Therapy. ACS Nano, 2019, 13, 13304-13316.	7.3	238
1209	Toxicity Evaluation of One-Dimensional Nanoparticles Using <i>Caenorhabditis elegans</i> Comparative Study of Halloysite Nanotubes and Chitin Nanocrystals. ACS Sustainable Chemistry and Engineering, 2019, 7, 18965-18975.	3.2	38
1210	The Engineering of Porous Silica and Hollow Silica Nanoparticles to Enhance Drug-loading Capacity. Processes, 2019, 7, 805.	1.3	9
1211	Multifunctional Nanorobot System for Active Therapeutic Delivery and Synergistic Chemo-photothermal Therapy. Nano Letters, 2019, 19, 8550-8564.	4.5	79
1212	A Three-Dimensional Cell Culture Platform for Long Time-Scale Observations of Bio–Nano Interactions. ACS Nano, 2019, 13, 13524-13536.	7.3	6
1213	Polymeric siRNA gene delivery – transfection efficiency versus cytotoxicity. Journal of Controlled Release, 2019, 316, 263-291.	4.8	58
1214	Gradient Redox-Responsive and Two-Stage Rocket-Mimetic Drug Delivery System for Improved Tumor Accumulation and Safe Chemotherapy. Nano Letters, 2019, 19, 8690-8700.	4.5	60
1215	Microfluidic Rapid Fabrication of Tunable Polyvinyl Alcohol Microspheres for Adsorption Applications. Materials, 2019, 12, 3712.	1.3	4
1216	In Vivo Retargeting of Poly(beta aminoester) (OMâ€PBAE) Nanoparticles is Influenced by Protein Corona. Advanced Healthcare Materials, 2019, 8, e1900849.	3.9	33
1217	Coreâ€Shell Functionalized Zirconiumâ€Pemetrexed Coordination Nanoparticles as Carriers with a High Drug Content. Advanced Therapeutics, 2019, 2, 1900120.	1.6	12
1218	Nanoparticles in the clinic: An update. Bioengineering and Translational Medicine, 2019, 4, e10143.	3.9	1,073
1219	Monte Carlo analysis of methods for extracting riskâ€neutral densities with affine jump diffusions. Journal of Futures Markets, 2019, 39, 1587-1612.	0.9	2
1220	Nanostructure Empowers Active Tumor Targeting in Ligandâ€Based Molecular Delivery. Particle and Particle Systems Characterization, 2019, 36, 1900304.	1.2	9

#	Article	IF	Citations
1221	Cellular Uptake Evaluation of Amphiphilic Polymer Assemblies: Importance of Interplay between Pharmacological and Genetic Approaches. Biomacromolecules, 2019, 20, 4407-4418.	2.6	26
1222	Bioactive Aliphatic Polycarbonates Carrying Guanidinium Functions: An Innovative Approach for Myotonic Dystrophy Type 1 Therapy. ACS Omega, 2019, 4, 18126-18135.	1.6	7
1223	Influence of pretreatment on the catalytic performance of Ag/CeO2 for formaldehyde removal at low temperature. Journal of Catalysis, 2019, 380, 43-54.	3.1	18
1224	Anti–Methicillin-Resistant Staphylococcus aureus Nanoantibiotics. Frontiers in Pharmacology, 2019, 10, 1121.	1.6	38
1225	Active Cellular and Subcellular Targeting of Nanoparticles for Drug Delivery. Pharmaceutics, 2019, 11, 543.	2.0	72
1226	Ultraâ€pHâ€Sensitive Biopolymer Micelles Based on Nuclear Base Pairs for Specific Tumorâ€Targeted Drug Delivery. Macromolecular Chemistry and Physics, 2019, 220, 1900309.	1.1	4
1227	Selfâ€Destruction of Cancer Induced by Ag 2 S Amorphous Nanodots. Small, 2019, 15, 1902945.	5.2	10
1228	Complexes of Keggin POMs [PM ₁₂ O ₄₀] ³ ^{â€"} (M = Mo, W) with GlyGly Peptide and Arginine â€" Crystal Structures and Solution Reactivity. European Journal of Inorganic Chemistry, 2019, 2019, 4297-4305.	1.0	11
1229	Effect of Liposomal Encapsulation on the Chemical Exchange Properties of Diamagnetic CEST Agents. Journal of Physical Chemistry B, 2019, 123, 7545-7557.	1.2	6
1230	Simultaneous paramagnetic and persistence-luminescence in GAGG:Ce,Pr nanoparticles synthesized by sol-gel for biomedical applications. Journal of Applied Physics, 2019, 126, .	1.1	14
1231	Conjugated Polymers-Based Thermal-Responsive Nanoparticles for Controlled Drug Delivery, Tracking, and Synergistic Photodynamic Therapy/Chemotherapy. ACS Applied Bio Materials, 2019, 2, 4485-4492.	2.3	30
1232	Are nanotechnological approaches the future of treating inflammatory diseases?. Nanomedicine, 2019, 14, 2379-2390.	1.7	8
1233	Octopus-like Flexible Vector for Noninvasive Intraocular Delivery of Short Interfering Nucleic Acids. Nano Letters, 2019, 19, 6410-6417.	4.5	25
1235	Transformable Nanoparticleâ€Enabled Synergistic Elicitation and Promotion of Immunogenic Cell Death for Tripleâ€Negative Breast Cancer Immunotherapy. Advanced Functional Materials, 2019, 29, 1905213.	7.8	65
1236	Insights into Active Targeting of Nanoparticles in Drug Delivery: Advances in Clinical Studies and Design Considerations for Cancer Nanomedicine. Bioconjugate Chemistry, 2019, 30, 2300-2311.	1.8	161
1237	Ligand-Functionalized Poly(ethylene glycol) Particles for Tumor Targeting and Intracellular Uptake. Biomacromolecules, 2019, 20, 3592-3600.	2.6	31
1238	Decoding Live Cell Interactions with Multi-Nanoparticle Systems: Differential Implications for Uptake, Trafficking, and Gene Regulation. ACS Applied Materials & Samp; Interfaces, 2019, 11, 33659-33666.	4.0	3
1239	Bio-mediated synthesis of 5-FU based nanoparticles employing orange fruit juice: a novel drug delivery system to treat skin fibrosarcoma in model animals. Scientific Reports, 2019, 9, 12288.	1.6	22

#	Article	IF	CITATIONS
1240	Labeling IL-18 with alkaloids: toward the use of cytokines as carrier molecules in chemotherapy. Theoretical Chemistry Accounts, 2019, 138, 1.	0.5	1
1241	Design of biodegradable nanoparticles to modulate phenotypes of antigen-presenting cells for antigen-specific treatment of autoimmune disease. Biomaterials, 2019, 222, 119432.	5.7	46
1242	Activating the Intrinsic Pathway of Apoptosis Using BIM BH3 Peptides Delivered by Peptide Amphiphiles with Endosomal Release. Materials, 2019, 12, 2567.	1.3	11
1243	Layered double hydroxide nanostructures and nanocomposites for biomedical applications. Journal of Materials Chemistry B, 2019, 7, 5583-5601.	2.9	108
1244	Modeling of Drug Diffusion Based on Concentration Profiles in Healthy and Damaged Human Skin. Biophysical Journal, 2019, 117, 998-1008.	0.2	10
1245	Exploiting metabolic glycoengineering to advance healthcare. Nature Reviews Chemistry, 2019, 3, 605-620.	13.8	107
1246	Triggered ferroptotic polymer micelles for reversing multidrug resistance to chemotherapy. Biomaterials, 2019, 223, 119486.	5.7	159
1247	A wet adhesion strategy <i>via</i> synergistic cation–π and hydrogen bonding interactions of antifouling zwitterions and mussel-inspired binding moieties. Journal of Materials Chemistry A, 2019, 7, 21944-21952.	5.2	66
1248	Enzyme-induced in vivo assembly of gold nanoparticles for imaging-guided synergistic chemo-photothermal therapy of tumor. Biomaterials, 2019, 223, 119460.	5.7	90
1249	Quality-by-Design Concepts to Improve Nanotechnology-Based Drug Development. Pharmaceutical Research, 2019, 36, 153.	1.7	39
1250	Systemic delivery of a Gli inhibitor via polymeric nanocarriers inhibits tumor-induced bone disease. Journal of Controlled Release, 2019, 311-312, 257-272.	4.8	22
1251	Kinetic Control in Assembly of Plasmid DNA/Polycation Complex Nanoparticles. ACS Nano, 2019, 13, 10161-10178.	7.3	35
1252	Nanoparticles Targeting Macrophages as Potential Clinical Therapeutic Agents Against Cancer and Inflammation. Frontiers in Immunology, 2019, 10, 1998.	2.2	153
1253	Kidney-targeted rhein-loaded liponanoparticles for diabetic nephropathy therapy via size control and enhancement of renal cellular uptake. Theranostics, 2019, 9, 6191-6208.	4.6	62
1254	In vivo activation of PEGylated long circulating lipid nanoparticle to achieve efficient siRNA delivery and target gene knock down in solid tumors. Journal of Controlled Release, 2019, 311-312, 245-256.	4.8	28
1255	Drug Delivery with Designed Peptide Assemblies. Trends in Pharmacological Sciences, 2019, 40, 747-762.	4.0	79
1256	Transdermal delivery of small interfering RNAs with topically applied mesoporous silica nanoparticles for facile skin cancer treatment. Nanoscale, 2019, 11, 17041-17051.	2.8	44
1257	Regulatory T Cells Tailored with pH-Responsive Liposomes Shape an Immuno-Antitumor Milieu against Tumors. ACS Applied Materials & Empty Interfaces, 2019, 11, 36333-36346.	4.0	31

#	Article	IF	CITATIONS
1258	Corona Composition Can Affect the Mechanisms Cells Use to Internalize Nanoparticles. ACS Nano, 2019, 13, 11107-11121.	7.3	205
1259	Optimization of PLGA-Resveratrol nanoparticle synthesis through combined response surface methodologies. Materials Today: Proceedings, 2019, 13, 384-389.	0.9	3
1260	Development and Evaluation of Multifunctional Poly(Lactic-co-glycolic acid) Nanoparticles Embedded in Carboxymethyl \hat{l}^2 -Glucan Porous Microcapsules as a Novel Drug Delivery System for Gefitinib. Pharmaceutics, 2019, 11, 469.	2.0	16
1261	Engineered nano-immunopotentiators efficiently promote cancer immunotherapy for inhibiting and preventing lung metastasis of melanoma. Biomaterials, 2019, 223, 119464.	5.7	83
1262	Nanomedicine strategies for addressing major needs in neglected tropical diseases. Annual Reviews in Control, 2019, 48, 423-441.	4.4	10
1263	Biodegradable pH-sensitive prospidine-loaded dextran phosphate based hydrogels for local tumor therapy. Carbohydrate Polymers, 2019, 226, 115308.	5.1	28
1264	Nanodelivery of Mycophenolate Mofetil to the Organ Improves Transplant Vasculopathy. ACS Nano, 2019, 13, 12393-12407.	7.3	21
1265	Next-generation nanotheranostics targeting cancer stem cells. Nanomedicine, 2019, 14, 2487-2514.	1.7	19
1266	Quantum dot cellular uptake and toxicity in the developing brain: implications for use as imaging probes. Nanoscale Advances, 2019, 1, 3424-3442.	2,2	34
1267	Yeast glucan particles enable intracellular protein delivery in <i>Drosophila</i> without compromising the immune system. Biomaterials Science, 2019, 7, 4708-4719.	2.6	13
1268	pH-responsive stearic acid-O-carboxymethyl chitosan assemblies as carriers delivering small molecular drug for chemotherapy. Materials Science and Engineering C, 2019, 105, 110107.	3.8	20
1269	Identification of peptide coatings that enhance diffusive transport of nanoparticles through the tumor microenvironment. Nanoscale, 2019, 11, 17664-17681.	2.8	10
1270	Nanoparticle-mediated delivery of siRNA into zebrafish heart: a cell-level investigation on the biodistribution and gene silencing effects. Nanoscale, 2019, 11, 18052-18064.	2.8	13
1271	The Composition of Reconstituted High-Density Lipoproteins (rHDL) Dictates the Degree of rHDL Cargo- and Size-Remodeling via Direct Interactions with Endogenous Lipoproteins. Bioconjugate Chemistry, 2019, 30, 2634-2646.	1.8	15
1272	Sub-10 nm Theranostic Unimolecular Micelles with High Tumor-Specific Accumulation, Retention, and Inhibitory Effect. ACS Applied Bio Materials, 2019, 2, 4142-4153.	2.3	12
1273	Prolonged Biodegradation and Improved Mechanical Stability of Collagen via Vapor-Phase Ti Stitching for Long-Term Tissue Regeneration. ACS Applied Materials & Samp; Interfaces, 2019, 11, 38440-38447.	4.0	20
1274	A near infrared light-triggerable modular formulation for the delivery of small biomolecules. Journal of Nanobiotechnology, 2019, 17, 97.	4.2	10
1275	Increased ROS Scavenging and Antioxidant Efficiency of Chlorogenic Acid Compound Delivered via a Chitosan Nanoparticulate System for Efficient In Vitro Visualization and Accumulation in Human Renal Adenocarcinoma Cells. International Journal of Molecular Sciences, 2019, 20, 4667.	1.8	29

#	Article	IF	CITATIONS
1276	Surface-kinetics mediated mesoporous multipods for enhanced bacterial adhesion and inhibition. Nature Communications, 2019, 10, 4387.	5.8	65
1277	Interaction of Immune Cells and Tumor Cells in Gold Nanorod–Gelatin Composite Porous Scaffolds. Nanomaterials, 2019, 9, 1367.	1.9	6
1278	Visible light-induced apoptosis activatable nanoparticles of photosensitizer-DEVD-anticancer drug conjugate for targeted cancer therapy. Biomaterials, 2019, 224, 119494.	5.7	48
1279	Copper-64 Labeled PEGylated Exosomes for In Vivo Positron Emission Tomography and Enhanced Tumor Retention. Bioconjugate Chemistry, 2019, 30, 2675-2683.	1.8	66
1280	Biodegradable Porous Silicon Nanocontainers as an Effective Drug Carrier for Regulation of the Tumor Cell Death Pathways. ACS Biomaterials Science and Engineering, 2019, 5, 6063-6071.	2.6	13
1281	Near-infrared light and tumor microenvironment dual responsive size-switchable nanocapsules for multimodal tumor theranostics. Nature Communications, 2019, 10, 4418.	5.8	153
1282	Epigenetics-inspired photosensitizer modification for plasma membrane-targeted photodynamic tumor therapy. Biomaterials, 2019, 224, 119497.	5.7	24
1283	Microneedle-based drug delivery: materials of construction. Journal of Chemical Sciences, 2019, 131, 1.	0.7	73
1284	Design and Evaluation of PEGylated Liposomal Formulation of a Novel Multikinase Inhibitor for Enhanced Chemosensitivity and Inhibition of Metastatic Pancreatic Ductal Adenocarcinoma. Bioconjugate Chemistry, 2019, 30, 2703-2713.	1.8	12
1285	PLK1 and EGFR targeted nanoparticle as a radiation sensitizer for non-small cell lung cancer. Cancer Letters, 2019, 467, 9-18.	3.2	50
1286	Nanoformulations for glioblastoma multiforme: a new hope for treatment. Future Medicinal Chemistry, 2019, 11, 2461-2482.	1.1	21
1287	Inhibition of Pore-Forming Proteins. Toxins, 2019, 11, 545.	1.5	16
1288	DePEGylation strategies to increase cancer nanomedicine efficacy. Nanoscale Horizons, 2019, 4, 378-387.	4.1	74
1289	A photoacoustic shockwave triggers the size shrinkage of nanoparticles to obviously improve tumor penetration and therapeutic efficacy. Nanoscale, 2019, 11, 1423-1436.	2.8	14
1290	A non-sacrificial method for the quantification of poly(ethylene glycol) grafting density on gold nanoparticles for applications in nanomedicine. Chemical Science, 2019, 10, 2067-2074.	3.7	37
1291	Influence of polymer flexibility on nanoparticle dynamics in semidilute solutions. Soft Matter, 2019, 15, 1260-1268.	1.2	27
1292	Acid-breakable TPGS-functionalized and diallyl disulfide-crosslinked nanogels for enhanced inhibition of MCF-7/ADR solid tumours. Journal of Materials Chemistry B, 2019, 7, 240-250.	2.9	16
1293	Study of biodistribution and systemic toxicity of glucose functionalized SPIO/DOX micelles. Pharmaceutical Development and Technology, 2019, 24, 935-946.	1.1	10

#	Article	IF	CITATIONS
1294	Understanding Delivery Routes and Operational Environments of Nanosystems. Nanomedicine and Nanotoxicology, 2019, , 59-91.	0.1	2
1295	Polymeric Nanomaterials. , 2019, , 1-66.		25
1296	Combinatorial nanocarriers against drug resistance in hematological cancers: Opportunities and emerging strategies. Journal of Controlled Release, 2019, 296, 114-139.	4.8	36
1297	Employment of enhanced permeability and retention effect (EPR): Nanoparticle-based precision tools for targeting of therapeutic and diagnostic agent in cancer. Materials Science and Engineering C, 2019, 98, 1252-1276.	3.8	536
1298	Probing the Aggregation and Immune Response of Human Islet Amyloid Polypeptides with Ligand-Stabilized Gold Nanoparticles. ACS Applied Materials & Eamp; Interfaces, 2019, 11, 10462-10471.	4.0	37
1299	Presentation and Delivery of Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand <i>via</i> Elongated Plant Viral Nanoparticle Enhances Antitumor Efficacy. ACS Nano, 2019, 13, 2501-2510.	7.3	29
1300	Nanotechnology-based antimicrobials and delivery systems for biofilm-infection control. Chemical Society Reviews, 2019, 48, 428-446.	18.7	464
1301	Carboxymethyl cellulose coated magnetic nanoparticles transport across a human lung microvascular endothelial cell model of the blood–brain barrier. Nanoscale Advances, 2019, 1, 671-685.	2.2	78
1302	Nanoparticle-based drug delivery <i>via</i> RBC-hitchhiking for the inhibition of lung metastases growth. Nanoscale, 2019, 11, 1636-1646.	2.8	126
1303	Micro/nanomachines: what is needed for them to become a real force in cancer therapy?. Nanoscale, 2019, 11, 6519-6532.	2.8	46
1304	Facile synthesis of aquo-cisplatin arsenite multidrug nanocomposites for overcoming drug resistance and efficient combination therapy. Biomaterials Science, 2019, 7, 262-271.	2.6	22
1305	Polymeric micro- and nanoparticles for immune modulation. Biomaterials Science, 2019, 7, 14-30.	2.6	61
1306	Fabrication of redox-responsive doxorubicin and paclitaxel prodrug nanoparticles with microfluidics for selective cancer therapy. Biomaterials Science, 2019, 7, 634-644.	2.6	50
1307	Magnetic particle ornamented dual stimuli responsive nanogel for controlled anticancer drug delivery. New Journal of Chemistry, 2019, 43, 3026-3037.	1.4	20
1308	Small addition of Zn ²⁺ in Ca ²⁺ @DNA results in elevated gene transfection by aminated PGMA-modified silicon nanowire arrays. Journal of Materials Chemistry B, 2019, 7, 566-575.	2.9	6
1309	Low-intensity light-induced paclitaxel release from lipid-based nano-delivery systems. Journal of Drug Targeting, 2019, 27, 971-983.	2.1	8
1310	<i>In-vitro</i> haemocompatibility of dextran-protein submicron particles. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 241-249.	1.9	7
1311	Nanomedicines for cancer therapy: current status, challenges and future prospects. Therapeutic Delivery, 2019, 10, 113-132.	1.2	102

#	Article	IF	CITATIONS
1312	Therapeutic Remodeling of the Tumor Microenvironment Enhances Nanoparticle Delivery. Advanced Science, 2019, 6, 1802070.	5 . 6	82
1313	Nanosystems and Devices for Advanced Targeted Nanomedical Applications. Nanomedicine and Nanotoxicology, 2019, , 39-58.	0.1	5
1314	Self-assembled peptide–poloxamine nanoparticles enable in vitro and in vivo genome restoration for cystic fibrosis. Nature Nanotechnology, 2019, 14, 287-297.	15.6	86
1315	Ultrasound responsive mesoporous silica nanoparticles for biomedical applications. Chemical Communications, 2019, 55, 2731-2740.	2.2	68
1316	Gold nanoparticle surface engineering strategies and their applications in biomedicine and diagnostics. 3 Biotech, 2019, 9, 57.	1.1	106
1317	Tumor Microenvironmentâ€Triggered Aggregated Magnetic Nanoparticles for Reinforced Imageâ€Guided Immunogenic Chemotherapy. Advanced Science, 2019, 6, 1802134.	5. 6	90
1318	Modular Metal–Organic Polyhedra Superassembly: From Molecular‣evel Design to Targeted Drug Delivery. Advanced Materials, 2019, 31, e1806774.	11.1	48
1319	High Throughput Nanoliposome Formation Using 3D Printed Microfluidic Flow Focusing Chips. Advanced Materials Technologies, 2019, 4, 1800511.	3.0	41
1320	Graphene quantum dot based chargeâ€reversal nanomaterial for nucleusâ€targeted drug delivery and efficiency controllable photodynamic therapy. Journal of Biophotonics, 2019, 12, e201800367.	1.1	42
1321	Green synthesis of nanoparticles: A greener approach for a cleaner future. , 2019, , 1-26.		77
1322	Nanotherapeutics engineered to cross the blood-brain barrier for advanced drug delivery to the central nervous system. Journal of Industrial and Engineering Chemistry, 2019, 73, 8-18.	2.9	49
1323	Phase transfer-driven rapid and complete ligand exchange for molecular assembly of phospholipid bilayers on aqueous gold nanocrystals. Chemical Communications, 2019, 55, 3195-3198.	2.2	9
1324	Molecular-Based Nano-Communication Network: A Ring Topology Nano-Bots for In-Vivo Drug Delivery Systems. IEEE Access, 2019, 7, 12901-12913.	2.6	7
1325	Systemic Bioequivalence Is Unlikely to Equal Target Site Bioequivalence for Nanotechnology Oncologic Products. AAPS Journal, 2019, 21, 24.	2,2	4
1326	Functionalizable composite nanoparticles as a dual magnetic resonance imaging/computed tomography contrast agent for medical imaging. Journal of Applied Polymer Science, 2019, 136, 47571.	1.3	5
1327	Smart Nanodrug with Nuclear Localization Sequences in the Presence of MMPâ€2 To Overcome Biobarriers and Drug Resistance. Chemistry - A European Journal, 2019, 25, 1895-1900.	1.7	19
1328	Development of L-Asparaginase Biobetters: Current Research Status and Review of the Desirable Quality Profiles. Frontiers in Bioengineering and Biotechnology, 2018, 6, 212.	2.0	119
1329	Peptidic Monodisperse PEG "combs―with Fine-Tunable LCST and Multiple Imaging Modalities. Biomacromolecules, 2019, 20, 1281-1287.	2.6	20

#	Article	IF	CITATIONS
1330	Effect of increasing liver blood flow on nanodrug clearance by the liver for enhanced antitumor therapy. Biomaterials Science, 2019, 7, 1507-1515.	2.6	9
1331	Constructing efficient polycationic gene carriers through regulating the physicochemical properties. Materials Today Chemistry, 2019, 11, 269-282.	1.7	14
1332	Interactions of gold and silica nanoparticles with plasma membranes get distinguished by the van der Waals forces: Implications for drug delivery, imaging, and theranostics. Colloids and Surfaces B: Biointerfaces, 2019, 177, 433-439.	2.5	11
1333	Sensitive Contrast-Enhanced Magnetic Resonance Imaging of Orthotopic and Metastatic Hepatic Tumors by Ultralow Doses of Zinc Ferrite Octapods. Chemistry of Materials, 2019, 31, 1381-1390.	3.2	23
1334	Minimalist Design of a Stimuli-Responsive Spherical Nucleic Acid for Conditional Delivery of Oligonucleotide Therapeutics. ACS Applied Materials & Samp; Interfaces, 2019, 11, 13912-13920.	4.0	27
1335	MicroRNA-34 family: a potential tumor suppressor and therapeutic candidate in cancer. Journal of Experimental and Clinical Cancer Research, 2019, 38, 53.	3.5	328
1336	Nanocarriers in Different Preclinical and Clinical Stages. , 2019, , 685-731.		10
1337	Hypoxia- and singlet oxygen-responsive chemo-photodynamic Micelles featured with glutathione depletion and aldehyde production. Biomaterials Science, 2019, 7, 429-441.	2.6	52
1338	A sequentially responsive and structure-transformable nanoparticle with a comprehensively improved †CAPIR cascade' for enhanced antitumor effect. Nanoscale, 2019, 11, 1177-1194.	2.8	19
1339	Logical design and application of prodrug platforms. Polymer Chemistry, 2019, 10, 306-324.	1.9	58
1340	Hyaluronic acid/PEGylated amphiphilic nanoparticles for pursuit of selective intracellular doxorubicin release. Journal of Materials Chemistry B, 2019, 7, 95-102.	2.9	17
1341	Tumor targeting DVDMS-nanoliposomes for an enhanced sonodynamic therapy of gliomas. Biomaterials Science, 2019, 7, 985-994.	2.6	61
1342	Cell Membraneâ€Camouflaged NIR II Fluorescent Ag ₂ Te Quantum Dotsâ€Based Nanobioprobes for Enhanced In Vivo Homotypic Tumor Imaging. Advanced Healthcare Materials, 2019, 8, e1900341.	3.9	68
1343	Efficient Delivery of Nerve Growth Factors to the Central Nervous System for Neural Regeneration. Advanced Materials, 2019, 31, e1900727.	11.1	85
1344	PreS1 peptide-functionalized gold nanostructures with SERRS tags for efficient liver cancer cell targeting. Materials Science and Engineering C, 2019, 103, 109762.	3.8	17
1345	Nanoparticle diffusion in sheared cellular bloodÂflow. Journal of Fluid Mechanics, 2019, 871, 636-667.	1.4	24
1346	Plasmonic Heating of Nanostructures. Chemical Reviews, 2019, 119, 8087-8130.	23.0	355
1347	Thermal-Responsive Carbon Monoxide (CO) Delivery Expedites Metabolic Exhaustion of Cancer Cells toward Reversal of Chemotherapy Resistance. ACS Central Science, 2019, 5, 1044-1058.	5. 3	93

#	Article	IF	CITATIONS
1348	Poly(3-hydroxybutyrate- <i>co</i> -3-hydroxyhexanoate) Biopolyester Based Nanoparticles as NVP-BEZ235 Delivery Vehicle for Tumor Targeting Therapy. Biomacromolecules, 2019, 20, 3313-3323.	2.6	8
1349	Co-delivery of paclitaxel and melittin by glycopeptide-modified lipodisks for synergistic anti-glioma therapy. Nanoscale, 2019, 11, 13069-13077.	2.8	28
1350	Targeted delivery of antimicrobial peptide by Cry protein crystal to treat intramacrophage infection. Biomaterials, 2019, 217, 119286.	5.7	30
1351	Encapsulation of Temozolomide in a Calixarene Nanocapsule Improves Its Stability and Enhances Its Therapeutic Efficacy against Glioblastoma. Molecular Cancer Therapeutics, 2019, 18, 1497-1505.	1.9	27
1352	Design of Small Nanoparticles Decorated with Amphiphilic Ligands: Self-Preservation Effect and Translocation into a Plasma Membrane. ACS Applied Materials & Samp; Interfaces, 2019, 11, 23822-23831.	4.0	29
1353	Transforming stealthy to sticky nanocarriers: a potential application for tumor therapy. Biomaterials Science, 2019, 7, 3581-3593.	2.6	12
1354	A pH and reduction dual-sensitive polymeric nanomicelle for tumor microenvironment triggered cellular uptake and controlled intracellular drug release. Biomaterials Science, 2019, 7, 3821-3831.	2.6	21
1355	Limits and challenges in using transport inhibitors to characterize how nano-sized drug carriers enter cells. Nanomedicine, 2019, 14, 1533-1549.	1.7	46
1356	Engineering Biomimetic Platesomes for pHâ€Responsive Drug Delivery and Enhanced Antitumor Activity. Advanced Materials, 2019, 31, e1900795.	11.1	148
1357	Immunomodulatory Nanosystems. Advanced Science, 2019, 6, 1900101.	5.6	255
1358	Drug Delivery: Polymers in the Development of Controlled Release Systems. Polymers and Polymeric Composites, 2019, , 719-747.	0.6	2
1359	Controllable delivery from gentamicin loaded polycaprolactone/grafted silica nanoparticles composite mats. Journal of Molecular Liquids, 2019, 290, 111205.	2.3	16
1360	Mathematical and computational modeling of nano-engineered drug delivery systems. Journal of Controlled Release, 2019, 307, 150-165.	4.8	56
1361	Tumor-Activatable Clinical Nanoprobe for Cancer Imaging. Nanotheranostics, 2019, 3, 196-211.	2.7	12
1362	An injectable and tumor-specific responsive hydrogel with tissue-adhesive and nanomedicine-releasing abilities for precise locoregional chemotherapy. Acta Biomaterialia, 2019, 96, 123-136.	4.1	50
1363	Leveraging Surface Plasmon Resonance to Dissect the Interfacial Properties of Nanoparticles: Implications for Tissue Binding and Tumor Penetration. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 20, 102024.	1.7	12
1364	A size-tunable and multi-responsive nanoplatform for deep tumor penetration and targeted combinatorial radio-/chemotherapy. Journal of Materials Chemistry B, 2019, 7, 4484-4498.	2.9	17
1365	Cancer nanotechnology: Enhancing tumor cell response to chemotherapy for hepatocellular carcinoma therapy. Asian Journal of Pharmaceutical Sciences, 2019, 14, 581-594.	4.3	97

#	Article	IF	CITATIONS
1366	Modulation of Shape and Size-Dependent Characteristics of Nanoparticles. Current Nanomedicine, 2019, 9, 210-215.	0.2	1
1367	Antioxidative nanomaterials and biomedical applications. Nano Today, 2019, 27, 146-177.	6.2	116
1368	Neuroprotective Potential of Curcumin-Loaded Nanostructured Lipid Carrier in an Animal Model of Alzheimer's Disease: Behavioral and Biochemical Evidence. Journal of Alzheimer's Disease, 2019, 69, 671-686.	1.2	64
1369	InÂvitro cell uptake evaluation of curcumin-loaded PCL/F68 nanoparticles for potential application in neuronal diseases. Journal of Drug Delivery Science and Technology, 2019, 52, 905-914.	1.4	33
1370	Macrocyclic Amphiphiles for Drug Delivery. Israel Journal of Chemistry, 2019, 59, 913-927.	1.0	40
1371	Boosting Cancer Therapy with Organelle-Targeted Nanomaterials. ACS Applied Materials & Samp; Interfaces, 2019, 11, 26529-26558.	4.0	159
1372	DOX-assisted functionalization of green tea polyphenol nanoparticles for effective chemo-photothermal cancer therapy. Journal of Materials Chemistry B, 2019, 7, 4066-4078.	2.9	43
1373	Nanoparticle Characterization: What to Measure?. Advanced Materials, 2019, 31, e1901556.	11.1	216
1374	Effects of Lignin-Based Hollow Nanoparticle Structure on the Loading and Release Behavior of Doxorubicin. Materials, 2019, 12, 1694.	1.3	31
1375	Ligand density on nanoparticles: A parameter with critical impact on nanomedicine. Advanced Drug Delivery Reviews, 2019, 143, 22-36.	6.6	124
1376	A universal discoidal nanoplatform for the intracellular delivery of PNAs. Nanoscale, 2019, 11, 12517-12529.	2.8	24
1377	HAp@GO drug delivery vehicle with dualâ€stimuliâ€triggered drug release property and efficient synergistic therapy function against cancer. Journal of Biomedical Materials Research - Part A, 2019, 107, 2296-2309.	2.1	29
1378	Biodistribution of gadolinium- and near infrared-labeled human umbilical cord mesenchymal stromal cell-derived exosomes in tumor bearing mice. Theranostics, 2019, 9, 2325-2345.	4.6	93
1379	X-ray-activated nanosystems for theranostic applications. Chemical Society Reviews, 2019, 48, 3073-3101.	18.7	231
1380	Therapeutic Potential of CPPs., 2019,, 409-461.		1
1381	Crossing biological barriers with nanogels to improve drug delivery performance. Journal of Controlled Release, 2019, 307, 221-246.	4.8	118
1382	Improved Size Determination by Nanoparticle Tracking Analysis: Influence of Recognition Radius. Analytical Chemistry, 2019, 91, 9508-9515.	3.2	15
1383	Recent advances in nanomaterial-based synergistic combination cancer immunotherapy. Chemical Society Reviews, 2019, 48, 3771-3810.	18.7	292

#	Article	IF	CITATIONS
1384	Research tools for extrapolating the disposition and pharmacokinetics of nanomaterials from preclinical animals to humans. Theranostics, 2019, 9, 3365-3387.	4.6	26
1385	Nanoparticles for Biomedicine: Coagulation During Synthesis and Applications. Annual Review of Chemical and Biomolecular Engineering, 2019, 10, 155-174.	3.3	27
1386	T cell immunotherapy enhanced by designer biomaterials. Biomaterials, 2019, 217, 119265.	5.7	40
1387	Nanomodulation of Macrophages in Multiple Sclerosis. Cells, 2019, 8, 543.	1.8	53
1388	Rapid formation of Small Unilamellar Vesicles (SUV) through low-frequency sonication: An innovative approach. Colloids and Surfaces B: Biointerfaces, 2019, 181, 837-844.	2.5	21
1389	pH/redox dual-responsive amphiphilic zwitterionic polymers with a precisely controlled structure as anti-cancer drug carriers. Biomaterials Science, 2019, 7, 3190-3203.	2.6	32
1390	Near-Infrared Fluorescent Endoscopic Image-Guided Photothermal Ablation Therapy of Colorectal Cancer Using Dual-Modal Gold Nanorods Targeting Tumor-Infiltrating Innate Immune Cells in a Transgenic <i>TS4 CRE/APC</i> < ^{<i>Ioxi³468</i>} Mouse Model. ACS Applied Materials & Amp; Interfaces, 2019, 11, 21353-21359.	4.0	21
1391	Synthesis of monodisperse starch microparticles through molecular rearrangement of short-chain glucans from natural waxy maize starch. Carbohydrate Polymers, 2019, 218, 261-268.	5.1	33
1392	Supramolecular polymer nanocapsules by enzymatic covalent condensation: biocompatible and biodegradable drug-delivery systems for chemo-photothermal anticancer therapy. Polymer Chemistry, 2019, 10, 3566-3570.	1.9	10
1393	Stimuli responsive PEGylated bismuth selenide hollow nanocapsules for fluorescence/CT imaging and light-driven multimodal tumor therapy. Biomaterials Science, 2019, 7, 3025-3040.	2.6	24
1394	Stimuli-Responsive Nanocapsules for the Spatiotemporal Release of Melatonin: Protection against Gastric Inflammation. ACS Applied Bio Materials, 2019, 2, 5218-5226.	2.3	18
1395	Injectable, Biodegradable, Thermosensitive Nanoparticles-Aggregated Hydrogel with Tumor-Specific Targeting, Penetration, and Release for Efficient Postsurgical Prevention of Tumor Recurrence. ACS Applied Materials & Diterfaces, 2019, 11, 19700-19711.	4.0	55
1396	Quantum dots in biomedical applications. Acta Biomaterialia, 2019, 94, 44-63.	4.1	310
1397	Near-infrared absorbing nanoemulsions as nonlinear ultrasound contrast agents for cancer theranostics. Journal of Molecular Liquids, 2019, 287, 110848.	2.3	25
1398	Design and optimization of PEGylated nanoparticles intended for Berberine Chloride delivery. Journal of Drug Delivery Science and Technology, 2019, 52, 521-530.	1.4	18
1399	Synthesis and characterization of polylactideâ€PAMAM "Janusâ€ŧype―linearâ€dendritic hybrids. Journal of Polymer Science Part A, 2019, 57, 1448-1459.	2.5	7
1400	Chimeric peptide nanorods for plasma membrane and nuclear targeted photosensitizer delivery and enhanced photodynamic therapy. Applied Materials Today, 2019, 16, 120-131.	2.3	24
1401	Fast, Efficient, and Targeted Liposome Delivery Mediated by DNA Hybridization. Advanced Healthcare Materials, 2019, 8, e1900389.	3.9	14

#	Article	IF	CITATIONS
1402	Poly(4â€vinyl imidazole): A pHâ€Responsive Trigger for Hierarchical Selfâ€Assembly of Multicompartment Micelles Based upon Triblock Terpolymers. Macromolecular Chemistry and Physics, 2019, 220, 1900131.	1.1	14
1403	Fluorescent and mass spectrometric evaluation of the phagocytic internalization of a CD47-peptide modified drug-nanocarrier. Analytical and Bioanalytical Chemistry, 2019, 411, 4193-4202.	1.9	6
1404	Effective systemic siRNA delivery using dual-layer protected long-circulating nanohydrogel containing an inorganic core. Biomaterials Science, 2019, 7, 3297-3306.	2.6	3
1405	Cellular Vehicles Based on Neutrophils Enable Targeting of Atherosclerosis. Molecular Pharmaceutics, 2019, 16, 3109-3120.	2.3	20
1406	Hypersound-Enhanced Intracellular Delivery of Drug-Loaded Mesoporous Silica Nanoparticles in a Non-Endosomal Pathway. ACS Applied Materials & Samp; Interfaces, 2019, 11, 19734-19742.	4.0	17
1407	Nanomedicine in Gastric Cancer. Current Clinical Pathology, 2019, , 213-247.	0.0	0
1408	PLGA based particles as "drug reservoir―for antitumor drug delivery: characterization and cytotoxicity studies. Colloids and Surfaces B: Biointerfaces, 2019, 180, 495-502.	2.5	10
1409	Optimization of miRNA delivery by using a polymeric conjugate based on deoxycholic acid-modified polyethylenimine. International Journal of Pharmaceutics, 2019, 565, 391-408.	2.6	7
1410	Non-Lamellar Lyotropic Liquid Crystalline Lipid Nanoparticles for the Next Generation of Nanomedicine. ACS Nano, 2019, 13, 6178-6206.	7.3	166
1411	Layerâ€byâ€layer nanoparticles for novel delivery of cisplatin and PARP inhibitors for platinumâ€based drug resistance therapy in ovarian cancer. Bioengineering and Translational Medicine, 2019, 4, e10131.	3.9	30
1412	Self-Assembled Benznidazole-Loaded Cationic Nanoparticles Containing Cholesterol/Sialic Acid: Physicochemical Properties, In Vitro Drug Release and In Vitro Anticancer Efficacy. International Journal of Molecular Sciences, 2019, 20, 2350.	1.8	15
1413	Photothermal Response of Hollow Gold Nanorods under Femtosecond Laser Irradiation. Nanomaterials, 2019, 9, 711.	1.9	19
1414	Strategizing biodegradable polymeric nanoparticles to cross the biological barriers for cancer targeting. International Journal of Pharmaceutics, 2019, 565, 509-522.	2.6	75
1415	The Inhibitory Role of M2000 (\hat{l}^2 -D-Mannuronic Acid) on Expression of Toll-like Receptor 2 and 4 in HT29 Cell Line. Recent Patents on Inflammation and Allergy Drug Discovery, 2019, 13, 57-65.	3.9	1
1416	Biomimetic Nanotherapies: Red Blood Cell Based Coreâ€"Shell Structured Nanocomplexes for Atherosclerosis Management. Advanced Science, 2019, 6, 1900172.	5.6	194
1417	Bioinspired Multivalent Peptide Nanotubes for Sialic Acid Targeting and Imagingâ€Guided Treatment of Metastatic Melanoma. Small, 2019, 15, e1900157.	5.2	30
1418	Emerging areas of bone repair materials. , 2019, , 411-446.		5
1419	Reduction responsive liposomes based on paclitaxel-ss-lysophospholipid with high drug loading for intracellular delivery. International Journal of Pharmaceutics, 2019, 564, 244-255.	2.6	31

#	Article	IF	Citations
1420	Synthesis and succinylation of starch nanoparticles by means of a single step using sonochemical energy. Ultrasonics Sonochemistry, 2019, 56, 458-465.	3.8	28
1421	Cell membrane protein functionalization of nanoparticles as a new tumorâ€targeting strategy. Clinical and Translational Medicine, 2019, 8, 8.	1.7	37
1422	Cascadeâ€amplification of therapeutic efficacy: An emerging opportunity in cancer treatment. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2019, 11, e1555.	3.3	4
1423	A Protocol To Characterize Peptide-Based Drug Delivery Systems for miRNAs. ACS Omega, 2019, 4, 7014-7022.	1.6	9
1424	Relating Advanced Electrospun Fiber Architectures to the Temporal Release of Active Agents to Meet the Needs of Next-Generation Intravaginal Delivery Applications. Pharmaceutics, 2019, 11, 160.	2.0	8
1425	Tuning the Inâ€Vivo Transport of Anticancer Drugs Using Renalâ€Clearable Gold Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 8479-8483.	7.2	69
1426	Concepts of nanoparticle cellular uptake, intracellular trafficking, and kinetics in nanomedicine. Advanced Drug Delivery Reviews, 2019, 143, 68-96.	6.6	561
1427	Synthesis of silica–alginate nanoparticles and their potential application as pH-responsive drug carriers. Journal of Sol-Gel Science and Technology, 2019, 91, 11-20.	1.1	12
1428	Glutathione responsive cubic gel particles cyclodextrin metal-organic frameworks for intracellular drug delivery. Journal of Colloid and Interface Science, 2019, 551, 39-46.	5.0	50
1429	Clearable Theranostic Platform with a pH-Independent Chemodynamic Therapy Enhancement Strategy for Synergetic Photothermal Tumor Therapy. ACS Applied Materials & Samp; Interfaces, 2019, 11, 18133-18144.	4.0	120
1430	Systemically Administered Hemostatic Nanoparticles for Identification and Treatment of Internal Bleeding. ACS Biomaterials Science and Engineering, 2019, 5, 2563-2576.	2.6	21
1431	Gastric Cancer In The Precision Medicine Era. Current Clinical Pathology, 2019, , .	0.0	2
1432	Advanced Nanovaccines for Immunotherapy Applications: From Concept to Animal Tests., 2019,, 231-260.		1
1433	Chimeric peptide engineered exosomes for dual-stage light guided plasma membrane and nucleus targeted photodynamic therapy. Biomaterials, 2019, 211, 14-24.	5.7	118
1434	Reply. Journal of the American College of Cardiology, 2019, 73, 1368-1369.	1.2	0
1435	Hollow mesoporous ruthenium nanoparticles conjugated bispecific antibody for targeted anti-colorectal cancer response of combination therapy. Nanoscale, 2019, 11, 9661-9678.	2.8	46
1436	Nanogels Derived from Fish Gelatin: Application to Drug Delivery System. Marine Drugs, 2019, 17, 246.	2.2	47
1437	Biodegradable nanoparticles exposing a short anti-FLT1 peptide as antiangiogenic platform to complement docetaxel anticancer activity. Materials Science and Engineering C, 2019, 102, 876-886.	3.8	17

#	Article	IF	CITATIONS
1438	Light-Activatable Prodrug and AlEgen Copolymer Nanoparticle for Dual-Drug Monitoring and Combination Therapy. ACS Applied Materials & Samp; Interfaces, 2019, 11, 18691-18700.	4.0	54
1439	Imaging of Red-Shifted Light From Bioluminescent Tumors Using Fluorescence by Unbound Excitation From Luminescence. Frontiers in Bioengineering and Biotechnology, 2019, 7, 73.	2.0	3
1440	Tuning the Inâ€Vivo Transport of Anticancer Drugs Using Renalâ€Clearable Gold Nanoparticles. Angewandte Chemie, 2019, 131, 8567-8571.	1.6	22
1441	Nanomaterial designing strategies related to cell lysosome and their biomedical applications: A review. Biomaterials, 2019, 211, 25-47.	5.7	92
1442	Nanoparticles Advancing Cancer Immunotherapy. , 2019, , 283-304.		1
1443	Organotropic drug delivery: Synthetic nanoparticles and extracellular vesicles. Biomedical Microdevices, 2019, 21, 46.	1.4	64
1444	The roles of short and long chain fatty acids on physicochemical properties and improved cancer targeting of albumin-based fattigation-platform nanoparticles containing doxorubicin. International Journal of Pharmaceutics, 2019, 564, 124-135.	2.6	18
1445	Radial extracorporeal shock wave promotes the enhanced permeability and retention effect to reinforce cancer nanothermotherapeutics. Science Bulletin, 2019, 64, 679-689.	4.3	11
1446	Biodistribution and Physiologically-Based Pharmacokinetic Modeling of Gold Nanoparticles in Mice with Interspecies Extrapolation. Pharmaceutics, 2019, 11, 179.	2.0	35
1447	Designing Bioinspired 2D MoSe ₂ Nanosheet for Efficient Photothermalâ€Triggered Cancer Immunotherapy with Reprogramming Tumorâ€Associated Macrophages. Advanced Functional Materials, 2019, 29, 1901240.	7.8	149
1448	Facile synthesis and direct characterization of surface-charge-controlled magnetic iron oxide nanoparticles and their role in gene transfection in human leukemic T cell. Applied Surface Science, 2019, 483, 1069-1080.	3.1	15
1449	The effect of surfactants modification on nanocrystalline cellulose for paclitaxel loading and release study. Journal of Molecular Liquids, 2019, 282, 407-414.	2.3	30
1450	Nanoparticle-based drug delivery in the inner ear: current challenges, limitations and opportunities. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 1312-1320.	1.9	50
1451	Gold nanocluster-loaded hybrid albumin nanoparticles with fluorescence-based optical visualization and photothermal conversion for tumor detection/ablation. Journal of Controlled Release, 2019, 304, 7-18.	4.8	62
1452	Tracking Biodistribution of Myeloid-Derived Cells in Murine Models of Breast Cancer. Genes, 2019, 10, 297.	1.0	1
1453	Synthetic and living micropropellers for convection-enhanced nanoparticle transport. Science Advances, 2019, 5, eaav4803.	4.7	109
1454	Effects of single and combined toxic exposures on the gut microbiome: Current knowledge and future directions. Toxicology Letters, 2019, 312, 72-97.	0.4	106
1455	Combination Chemotherapy of L1210 Tumors in Mice with Pretubulysin and Methotrexate Lipo-Oligomer Nanoparticles. Molecular Pharmaceutics, 2019, 16, 2405-2417.	2.3	7

#	Article	IF	CITATIONS
1456	Particle toxicology and health - where are we?. Particle and Fibre Toxicology, 2019, 16, 19.	2.8	133
1457	A journey through the emergence of nanomedicines with poly(alkylcyanoacrylate) based nanoparticles. Journal of Drug Targeting, 2019, 27, 502-524.	2.1	20
1458	Biochemical engineering in China. Reviews in Chemical Engineering, 2019, 35, 929-993.	2.3	1
1459	Stimuli-Responsive Self-Assembly Based on Macrocyclic Hosts and Biomedical Applications. , 2019, , 1-44.		O
1460	Targeting cellular metabolism to reduce head and neck cancer growth. Scientific Reports, 2019, 9, 4995.	1.6	29
1461	A BODIPYâ€Based Donor/Donor–Acceptor System: Towards Highly Efficient Longâ€Wavelengthâ€Excitable Nearâ€IR Polymer Dots with Narrow and Strong Absorption Features. Angewandte Chemie, 2019, 131, 7082-7086.	1.6	4
1462	Lipid-Based DNA Therapeutics: Hallmarks of Non-Viral Gene Delivery. ACS Nano, 2019, 13, 3754-3782.	7.3	220
1463	Biodistribution and toxicological evaluation of micron- and nano-sized erythrocyte-derived optical particles in healthy Swiss Webster mice. Biomaterials Science, 2019, 7, 2123-2133.	2.6	17
1464	Nanoparticles for drug delivery targeting neurodegeneration in brain and eye., 2019, , 149-183.		1
1465	Targeted Lipid Nanoemulsions Encapsulating Epigenetic Drugs Exhibit Selective Cytotoxicity on CDH1 ^{â€"} /FOXM1 ⁺ Triple Negative Breast Cancer Cells. Molecular Pharmaceutics, 2019, 16, 1813-1826.	2.3	27
1466	Generic synthesis of small-sized hollow mesoporous organosilica nanoparticles for oxygen-independent X-ray-activated synergistic therapy. Nature Communications, 2019, 10, 1241.	5.8	112
1467	Cy5.5-MSA-G250 nanoparticles (CMGNPs) induce M1 polarity of RAW264. 7 macrophage cells via TLR4-dependent manner. Chinese Chemical Letters, 2019, 30, 1320-1324.	4.8	11
1468	Phloretin loaded chitosan nanoparticles augments the pH-dependent mitochondrial-mediated intrinsic apoptosis in human oral cancer cells. International Journal of Biological Macromolecules, 2019, 130, 997-1008.	3.6	67
1469	Copper Nanocluster-Doped Luminescent Hydroxyapatite Nanoparticles for Antibacterial and Antibiofilm Applications. ACS Omega, 2019, 4, 4697-4706.	1.6	37
1470	Validation of Size Estimation of Nanoparticle Tracking Analysis on Polydisperse Macromolecule Assembly. Scientific Reports, 2019, 9, 2639.	1.6	88
1471	MSOT/CT/MR imaging-guided and hypoxia-maneuvered oxygen self-supply radiotherapy based on one-pot MnO ₂ -mSiO ₂ @Au nanoparticles. Nanoscale, 2019, 11, 6270-6284.	2.8	55
1472	Europium labeled lactosylated albumin as a model workflow for the development of biotherapeutics. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 18, 21-30.	1.7	2
1473	Transformable nanotherapeutics enabled by ICG: towards enhanced tumor penetration under NIR light irradiation. Nanoscale, 2019, 11, 6217-6227.	2.8	26

#	Article	IF	CITATIONS
1474	Positively charged helical chain-modified stimuli-responsive nanoassembly capable of targeted drug delivery and photoacoustic imaging-guided chemo-photothermal synergistic therapy. Biomaterials Science, 2019, 7, 2050-2060.	2.6	17
1475	Antimicrobial activities of green synthesized gums-stabilized nanoparticles loaded with flavonoids. Scientific Reports, 2019, 9, 3122.	1.6	96
1476	A Selfâ€Assembled Fluorescent Nanoprobe for Imaging and Therapy of Cardiac Ischemia/Reperfusion Injury. Advanced Therapeutics, 2019, 2, 1800133.	1.6	21
1477	A BODIPYâ€Based Donor/Donor–Acceptor System: Towards Highly Efficient Longâ€Wavelengthâ€Excitable Nearâ€IR Polymer Dots with Narrow and Strong Absorption Features. Angewandte Chemie - International Edition, 2019, 58, 7008-7012.	7.2	57
1478	Nanoparticleâ€Based Nanomedicines to Promote Cancer Immunotherapy: Recent Advances and Future Directions. Small, 2019, 15, e1900262.	5.2	100
1479	Superflexible/superhydrophilic PVDF-HFP/CuO-nanosheet nanofibrous membrane for efficient microfiltration. Applied Nanoscience (Switzerland), 2019, 9, 1991-2000.	1.6	18
1480	Two-Dimensional and Three-Dimensional Single Particle Tracking of Upconverting Nanoparticles in Living Cells. International Journal of Molecular Sciences, 2019, 20, 1424.	1.8	23
1481	Liver fibrosis affects the targeting properties of drug delivery systems to macrophage subsets in vivo. Biomaterials, 2019, 206, 49-60.	5.7	22
1482	Assessing the antioxidant, cytotoxic, apoptotic and wound healing properties of silver nanoparticles green-synthesized by plant extracts. Materials Science and Engineering C, 2019, 101, 204-216.	3.8	124
1483	Glycopolycation–DNA Polyplex Formulation N/P Ratio Affects Stability, Hemocompatibility, and in Vivo Biodistribution. Biomacromolecules, 2019, 20, 1530-1544.	2.6	14
1484	Nanoplatforms of Manganese Ferrite Nanoparticles Functionalized with Antiâ€Inflammatory Drugs. European Journal of Inorganic Chemistry, 2019, 2019, 1895-1903.	1.0	10
1485	Poly(2-oxazoline)-based nanoparticles with aggregation-induced emission (AIE) for targeted cell imaging. International Journal of Polymeric Materials and Polymeric Biomaterials, 2019, 68, 1079-1088.	1.8	4
1486	Gold Nanoparticles for Photothermal Cancer Therapy. Frontiers in Chemistry, 2019, 7, 167.	1.8	547
1487	Surface protein engineering increases the circulation time of a cell membrane-based nanotherapeutic. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 18, 169-178.	1.7	26
1488	Controlling nanoemulsion surface chemistry with poly(2-oxazoline) amphiphiles. Chemical Science, 2019, 10, 3994-4003.	3.7	32
1489	Biconcave Carbon Nanodisks for Enhanced Drug Accumulation and Chemoâ€Photothermal Tumor Therapy. Advanced Healthcare Materials, 2019, 8, 1801505.	3.9	25
1490	The Growing Development of DNA Nanostructures for Potential Healthcareâ€Related Applications. Advanced Healthcare Materials, 2019, 8, e1801546.	3.9	60
1491	Ceria Nanoparticles Fabricated with 6â€Aminohexanoic Acid that Overcome Systemic Inflammatory Response Syndrome. Advanced Healthcare Materials, 2019, 8, e1801548.	3.9	28

#	Article	IF	CITATIONS
1492	Modulating Targeting of Poly(ethylene glycol) Particles to Tumor Cells Using Bispecific Antibodies. Advanced Healthcare Materials, 2019, 8, e1801607.	3.9	38
1493	ReaxFF MD Simulations of Peptide-Grafted Gold Nanoparticles. Langmuir, 2019, 35, 5029-5036.	1.6	21
1494	Micellar Formulation of Talazoparib and Buparlisib for Enhanced DNA Damage in Breast Cancer Chemoradiotherapy. ACS Applied Materials & Samp; Interfaces, 2019, 11, 12342-12356.	4.0	17
1495	Design of an Amphiphilic Poly(aspartamide)-mediated Self-assembled Nanoconstruct for Long-Term Tumor Targeting and Bioimaging. Molecules, 2019, 24, 885.	1.7	5
1496	Delivering the Messenger: Advances in Technologies for Therapeutic mRNA Delivery. Molecular Therapy, 2019, 27, 710-728.	3.7	685
1497	Antitumor Effect and Toxicity of an Albumin-Paclitaxel Nanocarrier System Constructed via Controllable Alkali-Induced Conformational Changes. ACS Biomaterials Science and Engineering, 2019, 5, 1895-1906.	2.6	9
1498	Microfluidics for silica biomaterials synthesis: opportunities and challenges. Biomaterials Science, 2019, 7, 2218-2240.	2.6	42
1499	Photosensitive materials for constructing on-demanded drug-release systems. , 2019, , 193-210.		2
1500	Tailoring Nanomaterials for Targeting Tumorâ€Associated Macrophages. Advanced Materials, 2019, 31, e1808303.	11.1	223
1501	Two-in-One Chemogene Assembled from Drug-Integrated Antisense Oligonucleotides To Reverse Chemoresistance. Journal of the American Chemical Society, 2019, 141, 6955-6966.	6.6	84
1502	Doxycycline-encapsulated solid lipid nanoparticles as promising tool against Brucella melitensis enclosed in macrophage: a pharmacodynamics study on J774A.1 cell line. Antimicrobial Resistance and Infection Control, 2019, 8, 62.	1.5	56
1503	Recent progress on mitochondrial targeted cancer therapy based on inorganic nanomaterials. Materials Today Chemistry, 2019, 12, 240-260.	1.7	33
1504	The Promise of Long-Acting Antiretroviral Therapies: From Need to Manufacture. Trends in Microbiology, 2019, 27, 593-606.	3.5	29
1505	PEGylation-Dependent Metabolic Rewiring of Macrophages with Silk Fibroin Nanoparticles. ACS Applied Materials & Department of the Applied Materials & Department & Departm	4.0	38
1506	Biodegradable Nanoparticles of Polyacrylic Acid–Stabilized Amorphous CaCO ₃ for Tunable pHâ€Responsive Drug Delivery and Enhanced Tumor Inhibition. Advanced Functional Materials, 2019, 29, 1808146.	7.8	109
1507	Facile and Efficient Construction of Waterâ€Soluble Biomaterials with Tunable Mesoscopic Structures Using Allâ€Natural Edible Proteins. Advanced Functional Materials, 2019, 29, 1901830.	7.8	31
1508	Leukocyte-mimetic liposomes possessing leukocyte membrane proteins pass through inflamed endothelial cell layer by regulating intercellular junctions. International Journal of Pharmaceutics, 2019, 563, 314-323.	2.6	14
1509	A Molecular Hero Suit for In Vitro and In Vivo DNA Nanostructures. Small, 2019, 15, e1805386.	5.2	19

#	Article	IF	CITATIONS
1510	Polymers for extended-release administration. Biomedical Microdevices, 2019, 21, 45.	1.4	21
1511	Photothermal-responsive nanosized hybrid polymersome as versatile therapeutics codelivery nanovehicle for effective tumor suppression. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 7744-7749.	3.3	85
1512	Redox-Triggered Disassembly of Nanosized Liposomes Containing Ferrocene-Appended Amphiphiles. Langmuir, 2019, 35, 5608-5616.	1.6	9
1513	Engineered g-C ₃ N ₄ Quantum Dots for Tunable Two-Photon Imaging and Photodynamic Therapy. ACS Applied Bio Materials, 2019, 2, 1998-2005.	2.3	42
1514	Recent Advances in Nanomedicine for Ischemic and Hemorrhagic Stroke. Stroke, 2019, 50, 1318-1324.	1.0	38
1515	Small gold nanorods-loaded hybrid albumin nanoparticles with high photothermal efficacy for tumor ablation. Colloids and Surfaces B: Biointerfaces, 2019, 179, 340-351.	2.5	30
1516	Mixed Fluorinated/Hydrogenated Selfâ€Assembled Monolayerâ€Protected Gold Nanoparticles: In Silico and In Vitro Behavior. Small, 2019, 15, e1900323.	5.2	18
1517	Nanoparticles as Radiopharmaceutical Vectors. , 2019, , 181-203.		7
1518	Intracisternal delivery of PEG-coated gold nanoparticles results in high brain penetrance and long-lasting stability. Journal of Nanobiotechnology, 2019, 17, 49.	4.2	18
1519	Tungsten disulfide-based nanocomposites for photothermal therapy. Beilstein Journal of Nanotechnology, 2019, 10, 811-822.	1.5	17
1520	A tissue chamber chip for assessing nanoparticle mobility in the extravascular space. Biomedical Microdevices, 2019, 21, 41.	1.4	5
1521	Imidazole Ketone Erastin Induces Ferroptosis and Slows Tumor Growth in a Mouse Lymphoma Model. Cell Chemical Biology, 2019, 26, 623-633.e9.	2.5	399
1522	Combinational Effects of Active Targeting, Shape, and Enhanced Permeability and Retention for Cancer Theranostic Nanocarriers. ACS Applied Materials & Samp; Interfaces, 2019, 11, 10505-10519.	4.0	83
1523	A novel pH-sensitive targeting polysaccharide-gold nanorod conjugate for combined photothermal-chemotherapy of breast cancer. Carbohydrate Polymers, 2019, 212, 334-344.	5.1	46
1524	A switchable NO-releasing nanomedicine for enhanced cancer therapy and inhibition of metastasis. Nanoscale, 2019, 11, 5474-5488.	2.8	57
1525	<p>Starch nanoparticles for delivery of the histone deacetylase inhibitor CG-1521 in breast cancer treatment</p> . International Journal of Nanomedicine, 2019, Volume 14, 1335-1346.	3.3	45
1526	Lungâ€Endotheliumâ€Targeted Nanoparticles Based on a pHâ€Sensitive Lipid and the GALA Peptide Enable Robust Gene Silencing and the Regression of Metastatic Lung Cancer. Advanced Functional Materials, 2019, 29, 1807677.	7.8	47
1527	Selfâ€Assembly of Therapeutic Peptide into Stimuliâ€Responsive Clustered Nanohybrids for Cancerâ€Targeted Therapy. Advanced Functional Materials, 2019, 29, 1807736.	7.8	59

#	Article	IF	CITATIONS
1528	Recent Advances in Polymeric Nanomedicines for Cancer Immunotherapy. Advanced Healthcare Materials, 2019, 8, e1801320.	3.9	43
1529	Biomimetic Metal–Organic Framework Nanoparticles for Cooperative Combination of Antiangiogenesis and Photodynamic Therapy for Enhanced Efficacy. Advanced Materials, 2019, 31, e1808200.	11.1	307
1530	A polysaccharide-based micelle-hydrogel synergistic therapy system for diabetes and vascular diabetes complications treatment. Materials Science and Engineering C, 2019, 100, 94-103.	3.8	37
1531	Enhanced Cell Killing by Paclitaxel-Loaded Recombinant Protein Micelles Bearing Integrin-Binding and Cell-Penetrating Peptides. Bioconjugate Chemistry, 2019, , .	1.8	4
1532	Image-Guided Thermal Therapy Using Magnetic Particle Imaging and Magnetic Fluid Hyperthermia. , 2019, , 265-286.		6
1533	Hybrid Nanogels: Stealth and Biocompatible Structures for Drug Delivery Applications. Pharmaceutics, 2019, 11, 71.	2.0	36
1534	Tetrazineâ€" <i>trans</i> -Cyclooctene Chemistry Applied to Fabricate Self-Assembled Fluorescent and Radioactive Nanoparticles for <i>in Vivo</i> Dual Mode Imaging. Bioconjugate Chemistry, 2019, 30, 547-551.	1.8	9
1535	Preparation of Targeted Lignin–Based Hollow Nanoparticles for the Delivery of Doxorubicin. Nanomaterials, 2019, 9, 188.	1.9	60
1536	Biomaterials as vectors for the delivery of CRISPRâ€"Cas9. Biomaterials Science, 2019, 7, 1240-1261.	2.6	75
1537	Chitosan-graft-poly(methyl methacrylate) amphiphilic nanoparticles: Self-association and physicochemical characterization. Carbohydrate Polymers, 2019, 212, 412-420.	5.1	27
1538	Lipoic acid-derived cross-linked liposomes for reduction-responsive delivery of anticancer drug. International Journal of Pharmaceutics, 2019, 560, 246-260.	2.6	15
1539	A Bismuth Metal–Organic Framework as a Contrast Agent for X-ray Computed Tomography. ACS Applied Bio Materials, 2019, 2, 1197-1203.	2.3	68
1540	Shape-Dependent Transport of Microparticles in Blood Flow: From Margination to Adhesion. Journal of Engineering Mechanics - ASCE, 2019, 145, .	1.6	4
1541	Hyaluronic Acid–Based Activatable Nanomaterials for Stimuliâ€Responsive Imaging and Therapeutics: Beyond CD44â€Mediated Drug Delivery. Advanced Materials, 2019, 31, e1803549.	11.1	188
1542	Nanoparticle contrast-enhanced micro-CT: A preclinical tool for the 3D imaging of liver and spleen in longitudinal mouse studies. Journal of Pharmacological and Toxicological Methods, 2019, 96, 67-77.	0.3	23
1543	The role of surface chemistry in serum protein corona-mediated cellular delivery and gene silencing with lipid nanoparticles. Nanoscale, 2019, 11, 8760-8775.	2.8	84
1544	Nanotechnology and Immunotherapy in Ovarian Cancer: Tracing New Landscapes. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 636-646.	1.3	24
1545	Indoor nanoscale particulate matter-induced coagulation abnormality based on a human 3D microvascular model on a microfluidic chip. Journal of Nanobiotechnology, 2019, 17, 20.	4.2	25

#	Article	IF	CITATIONS
1546	Enhanced Therapeutic Effect of RGD-Modified Polymeric Micelles Loaded With Low-Dose Methotrexate and Nimesulide on Rheumatoid Arthritis. Theranostics, 2019, 9, 708-720.	4.6	51
1547	Drug Delivery: Polymers in the Development of Controlled Release Systems. Polymers and Polymeric Composites, 2019, , 1-29.	0.6	2
1548	Drug Delivery: Localized and Systemic Therapeutic Strategies with Polymer Systems. Polymers and Polymeric Composites, 2019, , 1-56.	0.6	1
1549	Recent developments in Pickering emulsions for biomedical applications. Current Opinion in Colloid and Interface Science, 2019, 39, 173-189.	3.4	113
1550	Ultrafast microfluidic synthesis of hierarchical triangular silver core-silica shell nanoplatelet toward enhanced cellular internalization. Journal of Colloid and Interface Science, 2019, 542, 370-378.	5.0	22
1551	Systemic administration of enzyme-responsive growth factor nanocapsules for promoting bone repair. Biomaterials Science, 2019, 7, 1675-1685.	2.6	31
1552	Cell membrane capsule: a novel natural tool for antitumour drug delivery. Expert Opinion on Drug Delivery, 2019, 16, 251-269.	2.4	11
1553	Fabrication of silver nanoparticles using <i>Arnebia hispidissima</i> (Lehm.) A. DC. root extract and unravelling their potential biomedical applications. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 166-180.	1.9	43
1554	Relationship between the glutathione-responsive degradability of thiol-organosilica nanoparticles and the chemical structures. Journal of Materials Research, 2019, 34, 1266-1278.	1.2	15
1555	Electrostatics and Interactions of an Ionizable Silica Nanoparticle Approaching a Plasma Membrane. Langmuir, 2019, 35, 4171-4181.	1.6	3
1556	Transformer Hydrogels: A Review. Advanced Materials Technologies, 2019, 4, 1900043.	3.0	207
1557	3D aerogel of cellulose triacetate with supercritical antisolvent process for drug delivery. Journal of Supercritical Fluids, 2019, 148, 33-41.	1.6	22
1558	Autocatalytic Morphology Transformation Platform for Targeted Drug Accumulation. Journal of the American Chemical Society, 2019, 141, 4406-4411.	6.6	107
1559	[18F]BODIPY-triglyceride-containing chylomicron-like particles as an imaging agent for brown adipose tissue in vivo. Scientific Reports, 2019, 9, 2706.	1.6	14
1560	Non-spherical micro- and nanoparticles in nanomedicine. Materials Horizons, 2019, 6, 1094-1121.	6.4	120
1561	Targeted Drug Delivery and Image-Guided Therapy of Heterogeneous Ovarian Cancer Using HER2-Targeted Theranostic Nanoparticles. Theranostics, 2019, 9, 778-795.	4.6	82
1562	A pH/ROS Cascadeâ€Responsive Chargeâ€Reversal Nanosystem with Selfâ€Amplified Drug Release for Synergistic Oxidationâ€Chemotherapy. Advanced Science, 2019, 6, 1801807.	5.6	96
1563	Hyaluronic acid functionalized nanoparticles loaded with IR780 and DOX for cancer chemo-photothermal therapy. European Journal of Pharmaceutics and Biopharmaceutics, 2019, 137, 86-94.	2.0	60

#	Article	IF	CITATIONS
1564	Carbohydrates@MOFs. Materials Horizons, 2019, 6, 969-977.	6.4	46
1565	Pullulan Nanoparticles as Prebiotics Enhance the Antibacterial Properties of Lactobacillus plantarum Through the Induction of Mild Stress in Probiotics. Frontiers in Microbiology, 2019, 10, 142.	1.5	45
1566	A Smart Nanovector for Cancer Targeted Drug Delivery Based on Graphene Quantum Dots. Nanomaterials, 2019, 9, 282.	1.9	83
1567	Nanohybrids – cancer theranostics for tiny tumor clusters. Journal of Controlled Release, 2019, 299, 21-30.	4.8	10
1568	Nanotechnology in the diagnosis and treatment of lung cancer. , 2019, 198, 189-205.		106
1569	NanoModeler: A Webserver for Molecular Simulations and Engineering of Nanoparticles. Journal of Chemical Theory and Computation, 2019, 15, 2022-2032.	2.3	26
1570	3D printed lactose-crosslinked gelatin scaffolds as a drug delivery system for dexamethasone. European Polymer Journal, 2019, 114, 90-97.	2.6	35
1571	Protection of native lactoferrin under gastric conditions through complexation with pectin and chitosan. Food Hydrocolloids, 2019, 93, 120-130.	5. 6	36
1572	Ratiometric co-encapsulation and co-delivery of doxorubicin and paclitaxel by tumor-targeted lipodisks for combination therapy of breast cancer. International Journal of Pharmaceutics, 2019, 560, 191-204.	2.6	36
1573	Targeted delivery of doxorubicin-loaded cockle shell-derived CaCO _{3 aragonite nanoparticles on dogs with solid tumours. International Journal of Nanotechnology, 2019, 16, 730.}	0.1	1
1574	Benefits of Nanomedicine for Therapeutic Intervention in Malignant Diseases. Coatings, 2019, 9, 628.	1.2	15
1575	Toll-like receptors activation, signaling, and targeting: an overview. Bulletin of the National Research Centre, 2019, 43, .	0.7	281
1576	Multiphase Porous Media Models for Mechanics in Medicine: Applications to Transport Oncophysics and Diabetic Foot., 2019,, 155-166.		1
1577	Nanotechnology: A non-invasive diagnosis and therapeutic tool for brain disorders. African Journal of Pharmacy and Pharmacology, 2019, 13, 118-123.	0.2	3
1578	Smeared Multiscale Finite Element Models for Mass Transport and Electrophysiology Coupled to Muscle Mechanics. Frontiers in Bioengineering and Biotechnology, 2019, 7, 381.	2.0	14
1579	Inorganic and organic–inorganic composite nanoparticles with potential biomedical applications: synthesis challenges for enhanced performance. , 2019, , 47-99.		8
1580	Optimization of the Single Emulsion Method for Encapsulation of a Cancer Drug in Nanoparticles., 2019, 2019, 1078-1081.		1
1581	Hazard Assessment of Polymeric Nanobiomaterials for Drug Delivery: What Can We Learn From Literature So Far. Frontiers in Bioengineering and Biotechnology, 2019, 7, 261.	2.0	62

#	Article	IF	CITATIONS
1582	Macrophage Targeting pH Responsive Polymersomes for Glucocorticoid Therapy. Pharmaceutics, 2019, 11, 614.	2.0	22
1583	Stimuli-responsive nano drug delivery systems for anticancer therapy. , 2019, , 125-148.		3
1584	Interventional Nanotheranostics: Advancing Nanotechnology Applications with IR. Journal of Vascular and Interventional Radiology, 2019, 30, 1824-1829.e1.	0.2	2
1585	Nanoparticles and organized lipid assemblies: from interaction to design of hybrid soft devices. Soft Matter, 2019, 15, 8951-8970.	1.2	32
1586	Light-Induced Therapies for Prostate Cancer Treatment. Frontiers in Chemistry, 2019, 7, 719.	1.8	26
1587	Erythrocyte leveraged chemotherapy (ELeCt): Nanoparticle assembly on erythrocyte surface to combat lung metastasis. Science Advances, 2019, 5, eaax9250.	4.7	100
1588	Surface roughness influences the protein corona formation of glycosylated nanoparticles and alter their cellular uptake. Nanoscale, 2019, 11, 23259-23267.	2.8	66
1589	Transport Phenomenon of Nanoparticles in Animals and Humans. , 2019, 23, 173-186.		2
1590	Utilizing Polymer Micelle to Control Dye J-aggregation and Enhance Its Theranostic Capability. IScience, 2019, 22, 229-239.	1.9	26
1591	Evaluation of upconverting nanoparticles towards heart theranostics. PLoS ONE, 2019, 14, e0225729.	1.1	7
1592	Recent Advances in Magnetite Nanoparticle Functionalization for Nanomedicine. Nanomaterials, 2019, 9, 1791.	1.9	81
1593	Comparing the Rod-Like and Spherical BODIPY Nanoparticles in Cellular Imaging. Frontiers in Chemistry, 2019, 7, 765.	1.8	7
1594	Nano-Enhanced Drug Delivery and Therapeutic Ultrasound for Cancer Treatment and Beyond. Frontiers in Bioengineering and Biotechnology, 2019, 7, 324.	2.0	126
1595	⟨i⟩In vivo⟨ i ⟩ comparison of the biodistribution and long-term fate of colloids – gold nanoprisms and nanorods – with minimum surface modification. Nanomedicine, 2019, 14, 3035-3055.	1.7	11
1596	Nanoparticles-based magnetic and photo induced hyperthermia for cancer treatment. Nano Today, 2019, 29, 100795.	6.2	174
1597	Programming Drug Delivery Kinetics for Active Burst Release with DNA Toehold Switches. Journal of the American Chemical Society, 2019, 141, 20354-20364.	6.6	68
1598	Talazoparib Loaded Solid Lipid Nanoparticles: Preparation, Characterization and Evaluation of the Therapeutic Efficacy In vitro. Current Drug Delivery, 2019, 16, 511-529.	0.8	10
1599	<p>In vivo Studies on Pharmacokinetics, Toxicity and Immunogenicity of Polyelectrolyte Nanocapsules Functionalized with Two Different Polymers: Poly-L-Glutamic Acid or PEG</p> . International Journal of Nanomedicine, 2019, Volume 14, 9587-9602.	3.3	28

#	ARTICLE	IF	Citations
1600	Cyclodextrin conjugated ferritin nanocages reduce intracellular cholesterol level in foam cells. Nano Research, 2019, 12, 2925-2932.	5.8	9
1601	Role of Surface RGD Patterns on Protein Nanocages in Tumor Targeting Revealed Using Precise Discrete Models. Small, 2019, 15, e1904838.	5.2	22
1602	Magnetic Targeting of mTHPC To Improve the Selectivity and Efficiency of Photodynamic Therapy. ACS Applied Materials & Diterfaces, 2019, 11, 45368-45380.	4.0	19
1603	<p>Smart Targeting To Improve Cancer Therapeutics</p> . Drug Design, Development and Therapy, 2019, Volume 13, 3753-3772.	2.0	91
1604	Reversible Cavitationâ€Induced Junctional Opening in an Artificial Endothelial Layer. Small, 2019, 15, e1905375.	5.2	27
1605	Prodrugs in combination with nanocarriers as a strategy for promoting antitumoral efficiency. Future Medicinal Chemistry, 2019, 11, 2131-2150.	1.1	19
1606	Overcoming Physiological Barriers to Nanoparticle Deliveryâ€"Are We There Yet?. Frontiers in Bioengineering and Biotechnology, 2019, 7, 415.	2.0	81
1607	Application of natural <mml:math altimg="si1.svg" xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mi>\hat{l}^2</mml:mi></mml:math> -glucans as biocompatible functional nanomaterials. Food Science and Human Wellness, 2019, 8, 315-319.	2.2	21
1608	Synchronous inhibition of mTOR and VEGF/NRP1 axis impedes tumor growth and metastasis in renal cancer. Npj Precision Oncology, 2019, 3, 31.	2.3	31
1609	Furin-mediated intracellular self-assembly of olsalazine nanoparticles for enhanced magnetic resonance imaging and tumour therapy. Nature Materials, 2019, 18, 1376-1383.	13.3	164
1610	Nanotechnology intervention of the microbiome for cancer therapy. Nature Nanotechnology, 2019, 14, 1093-1103.	15.6	151
1611	Ultra-small bimetallic iron–palladium (FePd) nanoparticle loaded macrophages for targeted tumor photothermal therapy in NIR-II biowindows and magnetic resonance imaging. RSC Advances, 2019, 9, 33378-33387.	1.7	18
1612	Inhibitor-conjugated harmonic nanoparticles targeting fibroblast activation protein. RSC Advances, 2019, 9, 31659-31669.	1.7	6
1613	Influence of serum concentration and surface functionalization on the protein adsorption to mesoporous silica nanoparticles. RSC Advances, 2019, 9, 33912-33921.	1.7	20
1614	Nanoarchitectonicâ€Based Material Platforms for Environmental and Bioprocessing Applications. Chemical Record, 2019, 19, 1891-1912.	2.9	17
1615	ROS-Sensitive Cross-Linked Polyethylenimine for Red-Light-Activated siRNA Therapy. ACS Applied Materials & Samp; Interfaces, 2019, 11, 1855-1863.	4.0	26
1616	Plasmonic Gold Nanovesicles for Biomedical Applications. Small Methods, 2019, 3, 1800394.	4.6	28
1617	PEG-coated vesicles from Pluronic/lipid mixtures for the carrying of photoactive erythrosine derivatives. Colloids and Surfaces B: Biointerfaces, 2019, 175, 530-544.	2.5	28

#	Article	IF	CITATIONS
1618	Ultrabright fluorescent cellulose acetate nanoparticles for imaging tumors through systemic and topical applications. Materials Today, 2019, 23, 16-25.	8.3	20
1619	Fabrication of highly fluorescent multiple Fe3O4 nanoparticles core-silica shell nanoparticles. Journal of Nanoparticle Research, 2019, 21, .	0.8	48
1620	DM1 Loaded Ultrasmall Gold Nanoparticles Display Significant Efficacy and Improved Tolerability in Murine Models of Hepatocellular Carcinoma. Bioconjugate Chemistry, 2019, 30, 703-713.	1.8	23
1621	Design, development and evaluation of PEGylated rhGH with preserving its bioactivity at highest level after modification. International Journal of Pharmaceutics, 2019, 557, 9-17.	2.6	6
1622	Design and Application of Cisplatin-Loaded Magnetic Nanoparticle Clusters for Smart Chemotherapy. ACS Applied Materials & Design and Application of Cisplatin-Loaded Magnetic Nanoparticle Clusters for Smart Chemotherapy.	4.0	49
1623	Targeting 3D Bladder Cancer Spheroids with Urease-Powered Nanomotors. ACS Nano, 2019, 13, 429-439.	7.3	182
1624	A biodegradable MnSiO3@Fe3O4 nanoplatform for dual-mode magnetic resonance imaging guided combinatorial cancer therapy. Biomaterials, 2019, 194, 151-160.	5.7	83
1625	Hypoxia-Triggered Transforming Immunomodulator for Cancer Immunotherapy via Photodynamically Enhanced Antigen Presentation of Dendritic Cell. ACS Nano, 2019, 13, 476-488.	7.3	113
1626	Anti-Invasive and Anti-Proliferative Effects of shRNA-Loaded Poly(Lactide-Co-Glycolide) Nanoparticles Following RAN Silencing in MDA-MB231 Breast Cancer Cells. Pharmaceutical Research, 2019, 36, 26.	1.7	8
1627	Photothermally controlled drug release system with high dose loading for synergistic chemo-photothermal therapy of multidrug resistance cancer. Colloids and Surfaces B: Biointerfaces, 2019, 175, 239-247.	2.5	28
1628	Carrier-free nanoparticles of cathepsin B-cleavable peptide-conjugated doxorubicin prodrug for cancer targeting therapy. Journal of Controlled Release, 2019, 294, 376-389.	4.8	113
1629	Biomimetic surface modification of discoidal polymeric particles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 16, 79-87.	1.7	22
1630	Hybrid membranes of lipids and diblock copolymers: From homogeneity to rafts to phase separation. Physical Review E, 2019, 99, 012403.	0.8	18
1631	Inverse-Micelle Synthesis of Doxorubicin-Loaded Alginate/Chitosan Nanoparticles and In Vitro Assessment of Breast Cancer Cytotoxicity. Colloids and Interface Science Communications, 2019, 28, 69-74.	2.0	28
1632	End-Sealed High Aspect Ratio Hollow Nanotubes Encapsulating an Anticancer Drug: Torpedo-Shaped Peptidic Nanocapsules. ACS Nano, 2019, 13, 305-312.	7.3	30
1633	Size-Dependent Transport and Cytotoxicity of Mitomycin-Gold Nanoparticle Conjugates in 2D and 3D Mammalian Cell Models. Bioconjugate Chemistry, 2019, 30, 242-252.	1.8	17
1634	Recent advances in nanotherapeutic strategies for spinal cord injury repair. Advanced Drug Delivery Reviews, 2019, 148, 38-59.	6.6	74
1635	Biodegradable phosphorylcholine-based zwitterionic polymer nanogels with smart charge-conversion ability for efficient inhibition of tumor cells. Journal of Colloid and Interface Science, 2019, 539, 19-29.	5.0	39

#	Article	IF	CITATIONS
1636	New Cell-Penetrating Peptide (KRP) with Multiple Physicochemical Properties Endows Doxorubicin with Tumor Targeting and Improves Its Therapeutic Index. ACS Applied Materials & Endows Doxorubicin 11, 2448-2458.	4.0	21
1637	Hypoxia-tropic Protein Nanocages for Modulation of Tumor- and Chemotherapy-Associated Hypoxia. ACS Nano, 2019, 13, 236-247.	7.3	64
1638	Magnetometry based method for investigation of nanoparticle clearance from circulation in a liver perfusion model. Nanotechnology, 2019, 30, 105101.	1.3	14
1639	Functional Nanomaterials Optimized to Circumvent Tumor Immunological Tolerance. Advanced Functional Materials, 2019, 29, 1806087.	7.8	21
1640	Dual carrier-cargo hydrophobization and charge ratio optimization improve the systemic circulation and safety of zwitterionic nano-polyplexes. Biomaterials, 2019, 192, 245-259.	5.7	27
1641	Multiscale Modeling and Simulation of Nanoâ€Carriers Delivery through Biological Barriers—A Review. Advanced Theory and Simulations, 2019, 2, 1800105.	1.3	34
1643	Delivery of Cancer Nanotherapeutics. Bioanalysis, 2019, , 163-205.	0.1	2
1644	The Endosomal Escape of Nanoparticles: Toward More Efficient Cellular Delivery. Bioconjugate Chemistry, 2019, 30, 263-272.	1.8	380
1645	Local and controlled release of tamoxifen from multi (layer-by-layer) alginate/chitosan complex systems. Carbohydrate Polymers, 2019, 206, 428-434.	5.1	46
1646	Hybrid Nanostructures in Targeted Drug Delivery. , 2019, , 139-158.		11
1647	Uptake and function of membraneâ€destabilizing cationic nanogels for intracellular drug delivery. Bioengineering and Translational Medicine, 2019, 4, 17-29.	3.9	23
1648	Efficient PD-L1 gene silence promoted by hyaluronidase for cancer immunotherapy. Journal of Controlled Release, 2019, 293, 104-112.	4.8	51
1649	Recent Advances in Cell Membraneâ€"Camouflaged Nanoparticles for Cancer Phototherapy. Small, 2019, 15, e1804105.	5.2	327
1650	Poly(d,l-lactide-co-glycolide) Nanoparticles as Delivery Platforms for TLR7/8 Agonist-Based Cancer Vaccine. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 715-724.	1.3	38
1651	Poly (lactic-co-glycolic acid) nanospheres allow for high l-asparaginase encapsulation yield and activity. Materials Science and Engineering C, 2019, 98, 524-534.	3.8	15
1652	Superoxide Radical Photogenerator with Amplification Effect: Surmounting the Achilles' Heels of Photodynamic Oncotherapy. Journal of the American Chemical Society, 2019, 141, 2695-2702.	6.6	238
1653	Sodium bicarbonate nanoparticles modulate the tumor pH and enhance the cellular uptake of doxorubicin. Journal of Controlled Release, 2019, 296, 1-13.	4.8	61
1654	Polypyrrole microcapsules loaded with gold nanoparticles: Perspectives for biomedical imaging. Synthetic Metals, 2019, 248, 27-34.	2.1	13

#	Article	IF	Citations
1655	PEGylated mesoporous Bi2S3 nanostars loaded with chlorin e6 and doxorubicin for fluorescence/CT imaging-guided multimodal therapy of cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 17, 1-12.	1.7	27
1656	Shape-Dependent Biodistribution of Biocompatible Silk Microcapsules. ACS Applied Materials & Interfaces, 2019, 11, 5499-5508.	4.0	27
1657	Ultrasmall MoS ₂ Nanodots-Doped Biodegradable SiO ₂ Nanoparticles for Clearable FL/CT/MSOT Imaging-Guided PTT/PDT Combination Tumor Therapy. ACS Applied Materials & Interfaces, 2019, 11, 5771-5781.	4.0	98
1658	In vitro vascularized liver and tumor tissue microenvironments on a chip for dynamic determination of nanoparticle transport and toxicity. Biotechnology and Bioengineering, 2019, 116, 1201-1219.	1.7	49
1659	TAD Click Chemistry on Aliphatic Polycarbonates: A First Step Toward Tailorâ€Made Materials. Macromolecular Rapid Communications, 2019, 40, 1800743.	2.0	9
1660	Advanced Targeted Nanomedicine. Nanomedicine and Nanotoxicology, 2019, , .	0.1	8
1661	Effect of physicochemical and surface properties on in vivo fate of drug nanocarriers. Advanced Drug Delivery Reviews, 2019, 143, 3-21.	6.6	276
1662	Missing-in-metastasis protein promotes internalization of magnetic nanoparticles via association with clathrin light chain and Rab7. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 502-510.	1.1	5
1663	Innovative nano-carriers in anticancer drug delivery-a comprehensive review. Bioorganic Chemistry, 2019, 85, 325-336.	2.0	115
1664	Modulating the antibody density changes the uptake and transport at the blood-brain barrier of both transferrin receptor-targeted gold nanoparticles and liposomal cargo. Journal of Controlled Release, 2019, 295, 237-249.	4.8	112
1665	Targeting Fluorescent Nanodiamonds to Vascular Endothelial Growth Factor Receptors in Tumor. Bioconjugate Chemistry, 2019, 30, 604-613.	1.8	30
1666	Paclitaxel-loaded multifunctional nanoparticles for the targeted treatment of glioblastoma. Journal of Drug Targeting, 2019, 27, 614-623.	2.1	41
1667	Functionalization of AuMSS nanorods towards more effective cancer therapies. Nano Research, 2019, 12, 719-732.	5.8	17
1668	Injectable Slippery Lubricant-Coated Spiky Microparticles with Persistent and Exceptional Biofouling-Resistance. ACS Central Science, 2019, 5, 250-258.	5.3	15
1669	Targeting the mTOR Signaling Pathway Utilizing Nanoparticles: A Critical Overview. Cancers, 2019, 11, 82.	1.7	34
1670	Co1â^3XZnxFe2O4 based nanocarriers for dual-targeted anticancer drug delivery: Synthesis, characterization and in vivo and in vitro biocompatibility study. Journal of Molecular Liquids, 2019, 274, 60-67.	2.3	42
1671	Emerging transporter-targeted nanoparticulate drug delivery systems. Acta Pharmaceutica Sinica B, 2019, 9, 49-58.	5.7	51
1672	Neurotheranostics as personalized medicines. Advanced Drug Delivery Reviews, 2019, 148, 252-289.	6.6	63

#	Article	IF	CITATIONS
1673	Application of zirconium MOFs in drug delivery and biomedicine. Coordination Chemistry Reviews, 2019, 380, 230-259.	9.5	470
1674	Calcium-Binding Nanoparticles for Vascular Disease. Regenerative Engineering and Translational Medicine, 2019, 5, 74-85.	1.6	6
1675	Electrochemical determination of ATP at rhodamine6G capped gold nanoparticles modified carbon felt electrode at pH 7.2. Sensors and Actuators B: Chemical, 2019, 281, 1054-1062.	4.0	20
1676	Dual responsive micelles capable of modulating miRNA-34a to combat taxane resistance in prostate cancer. Biomaterials, 2019, 192, 95-108.	5.7	52
1677	Growing synergy of nanodiamonds in neurodegenerative interventions. Drug Discovery Today, 2019, 24, 584-594.	3.2	22
1678	Plasmonic microgels of Au nanorods: Self-assembly and applications in chemophotothermo-synergistic cancer therapy. Journal of Colloid and Interface Science, 2019, 536, 728-736.	5.0	14
1679	Nanotechnology in Targeted Drug Delivery and Therapeutics. , 2019, , 357-409.		17
1680	Melanin-based nanoparticles in biomedical applications: From molecular imaging to treatment of diseases. Chinese Chemical Letters, 2019, 30, 533-540.	4.8	41
1681	Brain Delivery of Curcumin Using Solid Lipid Nanoparticles and Nanostructured Lipid Carriers: Preparation, Optimization, and Pharmacokinetic Evaluation. ACS Chemical Neuroscience, 2019, 10, 728-739.	1.7	126
1682	Active Targeting of Cancer Cells by Nanobody Decorated Polypeptide Micelle with Bio-orthogonally Conjugated Drug. Nano Letters, 2019, 19, 247-254.	4.5	72
1683	Polymer–drug conjugate therapeutics: advances, insights and prospects. Nature Reviews Drug Discovery, 2019, 18, 273-294.	21.5	579
1684	A multifunctional drug nanocarrier for efficient anticancer therapy. Journal of Controlled Release, 2019, 294, 154-164.	4.8	29
1685	Lysozyme-Based Composite Drug Preparations for Inhalation Administration. BioNanoScience, 2019, 9, 131-140.	1.5	3
1686	New Technologies To Enhance In Vivo Reprogramming for Regenerative Medicine. Trends in Biotechnology, 2019, 37, 604-617.	4.9	23
1687	Biodistribution of Filamentous Plant Virus Nanoparticles: Pepino Mosaic Virus versus Potato Virus X. Biomacromolecules, 2019, 20, 469-477.	2.6	18
1688	Graphene Quantum Dots-Mediated Theranostic Penetrative Delivery of Drug and Photolytics in Deep Tumors by Targeted Biomimetic Nanosponges. Nano Letters, 2019, 19, 69-81.	4. 5	110
1689	Preparation and optimization of poly (lactic acid) nanoparticles loaded with fisetin to improve anti-cancer therapy. International Journal of Biological Macromolecules, 2019, 125, 700-710.	3.6	70
1690	Synthesis and evaluation of the antiproliferative efficacy of BRM270 phytocomposite nanoparticles against human hepatoma cancer cell lines. Materials Science and Engineering C, 2019, 97, 166-176.	3.8	7

#	Article	IF	Citations
1691	Exploiting Nanomaterialâ€Mediated Autophagy for Cancer Therapy. Small Methods, 2019, 3, 1800365.	4.6	25
1692	Targeted polyethylenimine/(p53 plasmid) nanocomplexes for potential antitumor applications. Nanotechnology, 2019, 30, 145601.	1.3	7
1693	Applications of cyclic peptide nanotubes (cPNTs). Journal of Food and Drug Analysis, 2019, 27, 32-47.	0.9	34
1694	A review on the biotechnological aspects of utilizing engineered nanoparticles as delivery systems in plants. Plant Gene, 2019, 17, 100167.	1.4	11
1695	Design strategies for chemical-stimuli-responsive programmable nanotherapeutics. Drug Discovery Today, 2019, 24, 129-147.	3.2	32
1696	Amyloid selfâ€assembling peptides: Potential applications in nanovaccine engineering and biosensing. Peptide Science, 2019, 111, e24095.	1.0	23
1697	Porous Silicon Nanoparticles for Applications in Nano-medicine. , 2019, , 211-226.		1
1698	Photothermal therapy and photoacoustic imaging <i>via</i> nanotheranostics in fighting cancer. Chemical Society Reviews, 2019, 48, 2053-2108.	18.7	2,033
1699	Smart pH-responsive nanoparticles in a model tumor microenvironment for enhanced cellular uptake. Journal of Materials Science, 2019, 54, 1692-1702.	1.7	14
1700	Surfaceâ€Active Fluorinated Quantum Dots for Enhanced Cellular Uptake. Chemistry - A European Journal, 2019, 25, 195-199.	1.7	10
1701	Sequentially self-assembled polysaccharide-based nanocomplexes for combined chemotherapy and photodynamic therapy of breast cancer. Carbohydrate Polymers, 2019, 203, 203-213.	5.1	70
1702	Phage-displayed peptides targeting specific tissues and organs. Journal of Drug Targeting, 2019, 27, 555-565.	2.1	26
1703	Polymer-coated superparamagnetic iron oxide nanoparticles as T2 contrast agent for MRI and their uptake in liver. Future Science OA, 2019, 5, FSO235.	0.9	14
1704	Drug delivery across length scales. Journal of Drug Targeting, 2019, 27, 229-243.	2.1	20
1705	Addressing barriers to effective cancer immunotherapy with nanotechnology: achievements, challenges, and roadmap to the next generation of nanoimmunotherapeutics. Advanced Drug Delivery Reviews, 2019, 141, 3-22.	6.6	44
1706	Hybrid Titanium Oxide/Polymer Amphiphilic Nanomaterials with Controlled Size for Drug Encapsulation and Delivery. Advanced Functional Materials, 2020, 30, 1806146.	7.8	14
1707	Enhanced antitumor efficacy and attenuated cardiotoxicity of doxorubicin in combination with lycopene liposomes. Journal of Liposome Research, 2020, 30, 37-44.	1.5	20
1708	Effect of pH variations on morphological transformation of biosynthesized MgO nanoparticles. Particulate Science and Technology, 2020, 38, 573-586.	1.1	21

#	Article	IF	CITATIONS
1709	Forskolin-loaded human serum albumin nanoparticles and its biological importance. Journal of Biomolecular Structure and Dynamics, 2020, 38, 1539-1550.	2.0	6
1710	Branched and Dendritic Polymer Architectures: Functional Nanomaterials for Therapeutic Delivery. Advanced Functional Materials, 2020, 30, 1901001.	7.8	109
1711	Selective uptake of chitosan polymeric micelles by circulating monocytes for enhanced tumor targeting. Carbohydrate Polymers, 2020, 229, 115435.	5.1	26
1712	Targeting peptide-decorated biomimetic lipoproteins improve deep penetration and cancer cells accessibility in solid tumor. Acta Pharmaceutica Sinica B, 2020, 10, 529-545.	5.7	29
1713	Progress on Modulating Tumorâ€Associated Macrophages with Biomaterials. Advanced Materials, 2020, 32, e1902007.	11.1	116
1714	Enhanced cancer therapy of celastrol in vitro and in vivo by smart dendrimers delivery with specificity and biosafety. Chemical Engineering Journal, 2020, 383, 123228.	6.6	36
1715	Combination and Co-delivery of Methotrexate and Curcumin: Preparation and In Vitro Cytotoxic Investigation on Glioma Cells. Journal of Pharmaceutical Innovation, 2020, 15, 617-626.	1.1	19
1716	2D Layered Double Hydroxide Nanoparticles: Recent Progress toward Preclinical/Clinical Nanomedicine. Small Methods, 2020, 4, 1900343.	4.6	100
1717	Prospects, challenges and current status of RNAi through insect feeding. Pest Management Science, 2020, 76, 26-41.	1.7	97
1718	Additive Manufacturing of Precision Biomaterials. Advanced Materials, 2020, 32, e1901994.	11.1	105
1719	Vascular Nanomedicine: Current Status, Opportunities, and Challenges. Seminars in Thrombosis and Hemostasis, 2020, 46, 524-544.	1.5	15
1720	Microfluidic Generation of Nanomaterials for Biomedical Applications. Small, 2020, 16, e1901943.	5.2	70
1721	Reimaging biological barriers affecting distribution and extravasation of PEG/peptide- modified liposomes in xenograft SMMC7721 tumor. Acta Pharmaceutica Sinica B, 2020, 10, 546-556.	5.7	11
1722	Ligandâ€Installed Nanocarriers toward Precision Therapy. Advanced Materials, 2020, 32, e1902604.	11.1	189
1723	Nanoparticle opsonization: forces involved and protection by long chain polymers. Polymer Bulletin, 2020, 77, 3865-3889.	1.7	43
1724	Shape mediated splenotropic delivery of buparvaquone loaded solid lipid nanoparticles. Drug Delivery and Translational Research, 2020, 10, 159-167.	3.0	10
1725	Multifunctional nanoplatforms for subcellular delivery of drugs in cancer therapy. Progress in Materials Science, 2020, 107, 100599.	16.0	138
1726	Delivery across the blood-brain barrier: nanomedicine for glioblastoma multiforme. Drug Delivery and Translational Research, 2020, 10, 304-318.	3.0	101

#	Article	IF	Citations
1727	Degradation-regulated architecture of injectable smart hydrogels enhances humoral immune response and potentiates antitumor activity in human lung carcinoma. Biomaterials, 2020, 230, 119599.	5.7	79
1728	Improving cancer therapy through the nanomaterials-assisted alleviation of hypoxia. Biomaterials, 2020, 228, 119578.	5.7	157
1729	Ultra - small Pyropheophorbide - a Nanodots for Near - infrared Fluorescence/Photoacoustic Imaging-guided Photodynamic Therapy. Theranostics, 2020, 10, 62-73.	4.6	40
1730	Modulating the tumor microenvironment with new therapeutic nanoparticles: A promising paradigm for tumor treatment. Medicinal Research Reviews, 2020, 40, 1084-1102.	5.0	26
1731	A pH/ROS dual-responsive and targeting nanotherapy for vascular inflammatory diseases. Biomaterials, 2020, 230, 119605.	5.7	83
1732	Lytic peptide-grafted beta-cyclodextrin polymer based nano-scaled drug delivery system with enhanced camptothecin anti-cancer efficacy. Nanotechnology, 2020, 31, 075101.	1.3	11
1733	A novel drug loading and release from a thermoresponsive hydrogel formed <i>in situ</i> emulsion polymerization. Journal of Applied Polymer Science, 2020, 137, 48669.	1.3	11
1734	Graphene quantum dots-decorated hollow copper sulfide nanoparticles for controlled intracellular drug release and enhanced photothermal-chemotherapy. Journal of Materials Science, 2020, 55, 1184-1197.	1.7	29
1735	Nanoformulations of small molecule protein tyrosine kinases inhibitors potentiate targeted cancer therapy. International Journal of Pharmaceutics, 2020, 573, 118785.	2.6	21
1736	Effects of primary amine-based coatings on microglia internalization of nanogels. Colloids and Surfaces B: Biointerfaces, 2020, 185 , 110574 .	2.5	7
1737	Photoactive Nanocarriers for Controlled Delivery. Advanced Functional Materials, 2020, 30, 1903896.	7.8	38
1738	Nanoscale delivery systems for microRNAs in cancer therapy. Cellular and Molecular Life Sciences, 2020, 77, 1059-1086.	2.4	65
1739	Macroporous organosilicon nanocomposites co-deliver Bcl2-converting peptide and chemotherapeutic agent for synergistic treatment against multidrug resistant cancer. Cancer Letters, 2020, 469, 340-354.	3.2	28
1740	Radiolabeled PET/MRI Nanoparticles for Tumor Imaging. Journal of Clinical Medicine, 2020, 9, 89.	1.0	58
1741	Three-dimensional tumor models: Promoting breakthroughs in nanotheranostics translational research. Applied Materials Today, 2020, 19, 100552.	2.3	27
1743	Facile Fabrication of Redoxâ€Responsive Covalent Organic Framework Nanocarriers for Efficiently Loading and Delivering Doxorubicin. Macromolecular Rapid Communications, 2020, 41, e1900570.	2.0	64
1744	Synthesis of terpolymer-lipid encapsulated diruthenium(II,III)-anti-inflammatory metallodrug nanoparticles to enhance activity against glioblastoma cancer cells. Journal of Inorganic Biochemistry, 2020, 205, 110984.	1.5	22
1745	Conjugated polymers as nanoparticle probes for fluorescence and photoacoustic imaging. Journal of Materials Chemistry B, 2020, 8, 592-606.	2.9	59

#	Article	IF	Citations
1746	Ultrathin Silicon Membranes for <i>in Situ</i> Optical Analysis of Nanoparticle Translocation across a Human Blood–Brain Barrier Model. ACS Nano, 2020, 14, 1111-1122.	7.3	33
1747	Differential Nanoparticle Sequestration by Macrophages and Scavenger Endothelial Cells Visualized <i>in Vivo</i> in Real-Time and at Ultrastructural Resolution. ACS Nano, 2020, 14, 1665-1681.	7.3	62
1748	Small-sized copolymeric nanoparticles for tumor penetration and intracellular drug release. Chemical Communications, 2020, 56, 2000-2003.	2.2	9
1749	Theoretical and Experimental Investigation of Ligand-Induced Particle–Particle Interactions. Journal of Physical Chemistry C, 2020, 124, 1566-1574.	1.5	4
1750	Multimodal Nanocarrier Probes Reveal Superior Biodistribution Quantification by Isotopic Analysis over Fluorescence. ACS Nano, 2020, 14, 509-523.	7.3	23
1751	Luminescent gold nanoclusters for <i>iin vivo</i> ii> tumor imaging. Analyst, The, 2020, 145, 348-363.	1.7	41
1752	3D cultures for modeling nanomaterial-based photothermal therapy. Nanoscale Horizons, 2020, 5, 400-430.	4.1	34
1753	The aggregation of striped nanoparticles in mixed phospholipid bilayers. Nanoscale, 2020, 12, 4868-4881.	2.8	8
1754	Enzyme-instructed self-aggregation of Fe ₃ O ₄ nanoparticles for enhanced MRI <i>T</i> i> ₂ imaging and photothermal therapy of tumors. Nanoscale, 2020, 12, 1886-1893.	2.8	47
1755	Modelling protein therapeutic co-formulation and co-delivery with PLGA nanoparticles continuously manufactured by microfluidics. Reaction Chemistry and Engineering, 2020, 5, 308-319.	1.9	10
1756	Active Targeting of Dendritic Polyglycerols for Diagnostic Cancer Imaging. Small, 2020, 16, e1905013.	5.2	19
1757	Folate–Gold–Bilirubin Nanoconjugate Induces Apoptotic Death in Multidrug-Resistant Oral Carcinoma Cells. European Journal of Drug Metabolism and Pharmacokinetics, 2020, 45, 285-296.	0.6	20
1758	Lipid-based nanodelivery approaches for dopamine-replacement therapies in Parkinson's disease: From preclinical to translational studies. Biomaterials, 2020, 232, 119704.	5.7	24
1759	Intercalating pyrene with polypeptide as a novel self-assembly nano-carrier for colon cancer suppression in vitro and in vivo. Materials Science and Engineering C, 2020, 109, 110593.	3.8	15
1760	Recent trends in cell membrane-cloaked nanoparticles for therapeutic applications. Methods, 2020, 177, 2-14.	1.9	56
1761	Accelerated Blood Clearance of Nanoemulsions Modified with PEG-Cholesterol and PEG-Phospholipid Derivatives in Rats: The Effect of PEG-Lipid Linkages and PEG Molecular Weights. Molecular Pharmaceutics, 2020, 17, 1059-1070.	2.3	24
1762	Near-Infrared Polymer Dots with Aggregation-Induced Emission for Tumor Imaging. ACS Applied Polymer Materials, 2020, 2, 74-79.	2.0	23
1763	Tale of Two Magnets: An Advanced Magnetic Targeting System. ACS Nano, 2020, 14, 7-11.	7.3	37

#	Article	IF	CITATIONS
1764	Reactive Precursor Particles as Synthetic Platform for the Generation of Functional Nanoparticles, Nanogels, and Microgels. Advanced Materials Interfaces, 2020, 7, 1901676.	1.9	27
1765	Polymer nanocarriers for MicroRNA delivery. Journal of Applied Polymer Science, 2020, 137, 48651.	1.3	33
1766	Electrocatalytic synthesis of black tin oxide nanomaterial as photothermal agent for cancer therapy. Materials Science and Engineering C, 2020, 108, 110350.	3.8	7
1767	Fluorescence imaging of nitric oxide in living cells using o-phenylenediamine-rhodamine based polymeric nanosensors. Materials Science and Engineering C, 2020, 108, 110463.	3.8	10
1768	The role of physicochemical properties in the nanoprecipitation of cellulose acetate. Carbohydrate Polymers, 2020, 230, 115628.	5.1	6
1769	Extracellular blebs: Artificially-induced extracellular vesicles for facile production and clinical translation. Methods, 2020, 177, 135-145.	1.9	33
1770	Modelâ€Based Nanoengineered Pharmacokinetics of Ironâ€Doped Copper Oxide for Nanomedical Applications. Angewandte Chemie, 2020, 132, 1844-1852.	1.6	9
1771	Layerâ€byâ€layer assembled PLGA nanoparticles carrying miRâ€34a cargo inhibit the proliferation and cell cycle progression of tripleâ€negative breast cancer cells. Journal of Biomedical Materials Research - Part A, 2020, 108, 601-613.	2.1	33
1772	Fluorescence superquenching of SYBR Green I in crowded DNA by gold nanoparticles. Journal of Luminescence, 2020, 219, 116898.	1.5	12
1773	Chitosan-based nanomedicine for brain delivery: Where are we heading?. Reactive and Functional Polymers, 2020, 146, 104430.	2.0	25
1774	Tumor Contrast Imaging with Gas Vesicles by Circumventing the Reticuloendothelial System. Ultrasound in Medicine and Biology, 2020, 46, 359-368.	0.7	26
1775	Mild Innate Immune Activation Overrides Efficient Nanoparticleâ€Mediated RNA Delivery. Advanced Materials, 2020, 32, e1904905.	11.1	84
1776	Near-infrared light and magnetic field dual-responsive porous silicon-based nanocarriers to overcome multidrug resistance in breast cancer cells with enhanced efficiency. Journal of Materials Chemistry B, 2020, 8, 546-557.	2.9	23
1777	Bactrian camel serum albumins-based nanocomposite as versatile biocargo for drug delivery, biocatalysis and detection of hydrogen peroxide. Materials Science and Engineering C, 2020, 109, 110627.	3.8	8
1778	Blood concentrations of small extracellular vesicles are determined by a balance between abundant secretion and rapid clearance. Journal of Extracellular Vesicles, 2020, 9, 1696517.	5 . 5	92
1779	Formation of Platinum Nanocrystals on Silicon Nanotubes and Corresponding Anti-Cancer Activity in Vitro. ACS Applied Bio Materials, 2020, 3, 208-216.	2.3	4
1780	Dual-Stimuli-Responsive Polypeptide Nanoparticles for Photothermal and Photodynamic Therapy. ACS Applied Bio Materials, 2020, 3, 561-569.	2.3	29
1781	Concepts, fabrication methods and applications of living crystallization-driven self-assembly of block copolymers. Progress in Polymer Science, 2020, 101, 101195.	11.8	116

#	Article	IF	CITATIONS
1782	Overcoming the Brain Barriers: From Immune Cells to Nanoparticles. Trends in Pharmacological Sciences, 2020, 41, 42-54.	4.0	33
1783	Size, shape, and flexibility influence nanoparticle transport across brain endothelium under flow. Bioengineering and Translational Medicine, 2020, 5, e10153.	3.9	99
1784	Photomagnetic Prussian blue nanocubes: Synthesis, characterization, and biomedical applications. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 24, 102138.	1.7	15
1785	Dropletâ€based microreactor for the production of micro/nanoâ€materials. Electrophoresis, 2020, 41, 833-851.	1.3	34
1786	Bioconjugated Plasmonic Nanoparticles for Enhanced Skin Penetration. Topics in Current Chemistry, 2020, 378, 8.	3.0	12
1787	Influence of nanoparticles on liver tissue and hepatic functions: A review. Toxicology, 2020, 430, 152344.	2.0	32
1788	Modelâ€Based Nanoengineered Pharmacokinetics of Ironâ€Doped Copper Oxide for Nanomedical Applications. Angewandte Chemie - International Edition, 2020, 59, 1828-1836.	7.2	35
1789	Passive targeting in nanomedicine: fundamental concepts, body interactions, and clinical potential., 2020, , 37-53.		39
1790	Challenges and barriers., 2020,, 89-107.		5
1791	BRC-mediated RNAi targeting of USE1 inhibits tumor growth in vitro and in vivo. Biomaterials, 2020, 230, 119630.	5.7	11
1792	Susceptibility-weighted imaging for metabolic pathway mapping of low-dosage nanoparticles in organisms. Biomaterials, 2020, 230, 119631.	5.7	8
1793	Matrix Metalloproteinase-sensitive Multistage Nanogels Promote Drug Transport in 3D Tumor Model. Theranostics, 2020, 10, 91-108.	4.6	29
1794	Sizeâ€Dependent EPR Effect of Polymeric Nanoparticles on Tumor Targeting. Advanced Healthcare Materials, 2020, 9, e1901223.	3.9	264
1795	Nanotechnology and drug delivery. , 2020, , 197-219.		4
1796	A review on novel methodologies for drug nanoparticle preparation: Microfluidic approach. Chemical Engineering Research and Design, 2020, 153, 728-756.	2.7	86
1797	An analytical method to control the surface density and stability of DNA-gold nanoparticles for an optimized biosensor. Colloids and Surfaces B: Biointerfaces, 2020, 187, 110650.	2.5	18
1798	Anticancer Effect of Metformin in Herceptin-Conjugated Liposome for Breast Cancer. Pharmaceutics, 2020, 12, 11.	2.0	24
1799	Granzyme B nanoreporter for early monitoring of tumor response to immunotherapy. Science Advances, 2020, 6, .	4.7	49

#	Article	IF	CITATIONS
1800	Nucleic Acid Delivery with \hat{l} ±-Tocopherol-Polyethyleneimine-Polyethylene Glycol Nanocarrier System. International Journal of Nanomedicine, 2020, Volume 15, 6689-6703.	3.3	5
1801	DNA Nanostructures and DNAâ€Functionalized Nanoparticles for Cancer Theranostics. Advanced Science, 2020, 7, 2001669.	5.6	47
1802	Multifunctional peptides for tumor therapy. Advanced Drug Delivery Reviews, 2020, 160, 36-51.	6.6	40
1803	Facilitating drug release in mesoporous silica coated upconversion nanoparticles by photoacid assistance upon near-infrared irradiation. Advanced Powder Technology, 2020, 31, 3860-3866.	2.0	15
1804	Physicochemical Characterization of Liposomes That Mimic the Lipid Composition of Exosomes for Effective Intracellular Trafficking. Langmuir, 2020, 36, 12735-12744.	1.6	30
1805	Diffusiophoretic separation of colloids in microfluidic flows. Physics of Fluids, 2020, 32, .	1.6	77
1806	Green Synthesis of Nanoparticles: Applications and Prospects. , 2020, , .		4
1807	Characterization and Evaluation of Bone-Derived Nanoparticles as a Novel pH-Responsive Carrier for Delivery of Doxorubicin into Breast Cancer Cells. International Journal of Molecular Sciences, 2020, 21, 6721.	1.8	9
1808	Phytol-Loaded Solid Lipid Nanoparticles as a Novel Anticandidal Nanobiotechnological Approach. Pharmaceutics, 2020, 12, 871.	2.0	8
1809	Lactoferrin, a multi-functional glycoprotein: Active therapeutic, drug nanocarrier & amp; targeting ligand. Biomaterials, 2020, 263, 120355.	5.7	98
1810	Modeling the interaction of amphiphilic polymer nanoparticles with biomembranes to Guide rational design of drug delivery systems. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111366.	2.5	6
1811	Agar/κ-carrageenan/montmorillonite nanocomposite hydrogels for wound dressing applications. International Journal of Biological Macromolecules, 2020, 164, 4591-4602.	3.6	55
1812	Cytopharmaceuticals: An emerging paradigm for drug delivery. Journal of Controlled Release, 2020, 328, 313-324.	4.8	25
1813	In vitro augmentation of chondrogenesis by Epigallocatechin gallate in primary Human chondrocytes - Sustained release model for cartilage regeneration. Journal of Drug Delivery Science and Technology, 2020, 60, 101992.	1.4	4
1814	Insight into 6-aminopenicillanic acid structure and study of the quantum mechanical calculations of the acid–base site on γ-Fe ₂ O ₃ @SiO ₂ core–shell nanocomposites and as efficient catalysts in multicomponent reactions. New Journal of Chemistry, 2020, 44, 20688-20696.	1.4	4
1815	Functionalized Fluorescent Silica Nanoparticles for Bioimaging of Cancer Cells. Sensors, 2020, 20, 5590.	2.1	5
1816	Smart nanocarriers-based drug delivery for cancer therapy: An innovative and developing strategy. Journal of Drug Delivery Science and Technology, 2020, 60, 102018.	1.4	46
1817	Preparation of Poly(MTZ) _{<i>n</i>} –(DMAEMA) _{<i>m</i>} Micelles and Study on Their Antibacterial Property. ACS Omega, 2020, 5, 23053-23061.	1.6	3

#	Article	IF	CITATIONS
1818	Splenic Hematopoietic and Stromal Cells in Cancer Progression. Cancer Research, 2021, 81, 27-34.	0.4	19
1819	Effects of Polymer 3D Architecture, Size, and Chemistry on Biological Transport and Drug Delivery In Vitro and in Orthotopic Triple Negative Breast Cancer Models. Advanced Healthcare Materials, 2020, 9, 2000892.	3.9	17
1820	Targeted nanomedicine with anti-EGFR scFv for siRNA delivery into triple negative breast cancer cells. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 157, 74-84.	2.0	13
1821	Key considerations in designing CRISPR/Cas9-carrying nanoparticles for therapeutic genome editing. Nanoscale, 2020, 12, 21001-21014.	2.8	20
1822	<p>PSMA-Targeting Reduction-Cleavable Hyperbranched Polyamide-Amine Gene Delivery System to Treat the Bone Metastases of Prostate Cancer</p> . International Journal of Nanomedicine, 2020, Volume 15, 7173-7184.	3. 3	6
1823	Development of Silica-Based Biodegradable Submicrometric Carriers and Investigating Their Characteristics as in Vitro Delivery Vehicles. International Journal of Molecular Sciences, 2020, 21, 7563.	1.8	7
1824	Recent advances of morphology adaptive nanomaterials for anti-cancer drug delivery. Progress in Natural Science: Materials International, 2020, 30, 555-566.	1.8	11
1825	Interrogation of Folic Acid-Functionalized Nanomedicines: The Regulatory Roles of Plasma Proteins Reexamined. ACS Nano, 2020, 14, 14779-14789.	7.3	63
1826	Evaluating the structural properties of bioactiveâ€loaded nanocarriers with modern analytical tools. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 3266-3322.	5. 9	26
1827	Optimization to development of chitosan decorated polycaprolactone nanoparticles for improved ocular delivery of dorzolamide: In vitro, ex vivo and toxicity assessments. International Journal of Biological Macromolecules, 2020, 163, 2392-2404.	3.6	70
1828	Gene Editing by Extracellular Vesicles. International Journal of Molecular Sciences, 2020, 21, 7362.	1.8	30
1829	Nanocarrier centered therapeutic approaches: Recent developments with insight towards the future in the management of lung cancer. Journal of Drug Delivery Science and Technology, 2020, 60, 102070.	1.4	12
1830	Multifunctional Synthetic Protein Nanoparticles via Reactive Electrojetting. Macromolecular Rapid Communications, 2020, 41, e2000425.	2.0	14
1831	Chondroitin sulfate-based redox-responsive nanoparticles for melanoma-targeted drug delivery. Journal of Drug Delivery Science and Technology, 2020, 60, 102033.	1.4	5
1832	A fluorescent sensor for intracellular Zn ²⁺ based on cylindrical molecular brushes of poly(2-oxazoline) through ion-induced emission. Polymer Chemistry, 2020, 11, 6650-6657.	1.9	11
1833	Reduction-responsive disulfide linkage core-cross-linked polymeric micelles for site-specific drug delivery. Polymer Chemistry, 2020, 11 , 7078-7086.	1.9	15
1834	Folate-Targeted Cholesterol-Grafted Lipo-Polymeric Nanoparticles for Chemotherapeutic Agent Delivery. AAPS PharmSciTech, 2020, 21, 280.	1.5	17
1835	Nanoemulsion structure and food matrix determine the gastrointestinal fate and in vivo bioavailability of coenzyme Q10. Journal of Controlled Release, 2020, 327, 444-455.	4.8	39

#	Article	IF	CITATIONS
1836	Tumor‶argeting Glycol Chitosan Nanoparticles for Cancer Heterogeneity. Advanced Materials, 2020, 32, e2002197.	11.1	78
1837	Assessing the Combinatorial Chemoâ€Photothermal Therapy Mediated by Sulfobetaine Methacrylateâ€Functionalized Nanoparticles in 2D and 3D In Vitro Cancer Models. Biotechnology Journal, 2020, 15, 2000219.	1.8	11
1838	Barriers for Tumor Drug Delivery. , 2020, , 5-26.		1
1839	Modulating lung immune cells by pulmonary delivery of antigen-specific nanoparticles to treat autoimmune disease. Science Advances, 2020, 6, .	4.7	38
1840	Temperature-responsive hydroxypropyl methylcellulose-N-isopropylacrylamide aerogels for drug delivery systems. Cellulose, 2020, 27, 9493-9504.	2.4	18
1841	Recent advances in targeted nanomedicine as promising antitumor therapeutics. Drug Discovery Today, 2020, 25, 2227-2244.	3.2	71
1842	Synthesis of lactobionic acid based bola-amphiphiles and its application as nano-carrier for curcumin delivery to cancer cell cultures in-vitro. International Journal of Pharmaceutics, 2020, 590, 119897.	2.6	16
1843	Hypoxia-sensitive micellar nanoparticles for co-delivery of siRNA and chemotherapeutics to overcome multi-drug resistance in tumor cells. International Journal of Pharmaceutics, 2020, 590, 119915.	2.6	43
1844	Advancements in the co-formulation of biologic therapeutics. Journal of Controlled Release, 2020, 327, 397-405.	4.8	21
1845	Optical imaging of the whole-body to cellular biodistribution of clinical-stage PEG-b-pHPMA-based core-crosslinked polymeric micelles. Journal of Controlled Release, 2020, 328, 805-816.	4.8	30
1846	Inorganic nanoparticles in clinical trials and translations. Nano Today, 2020, 35, 100972.	6.2	138
1847	Tailoring Viruslike Mesoporous FeSe ₂ Hedgehogs for Controlled Drug Delivery and Synergistic Tumor Suppression. ACS Applied Materials & Synergistic Tumor Suppression. ACS Applied Materials & Synergistic Tumor Suppression.	4.0	19
1848	Photosensitive Supramolecular Micelle-Mediated Cellular Uptake of Anticancer Drugs Enhances the Efficiency of Chemotherapy. International Journal of Molecular Sciences, 2020, 21, 4677.	1.8	14
1849	A pHâ€Sensitive Selfâ€Assembled and Carrierâ€Free Nanoparticle Based on Charge Reversal for Enhanced Synergetic Chemoâ€Phototherapy. Advanced Healthcare Materials, 2020, 9, e2000899.	3.9	17
1850	Combined nanomedicines targeting colorectal cancer stem cells and cancer cells. Journal of Controlled Release, 2020, 326, 387-395.	4.8	20
1851	Effective treatment of drug-resistant lung cancer via a nanogel capable of reactivating cisplatin and enhancing early apoptosis. Biomaterials, 2020, 257, 120252.	5.7	36
1852	Hierarchical integration of degradable mesoporous silica nanoreservoirs and supramolecular dendrimer complex as a general-purpose tumor-targeted biomimetic nanoplatform for gene/small-molecule anticancer drug co-delivery. Nanoscale, 2020, 12, 16102-16112.	2.8	27
1853	A Comprehensive Review of Cancer MicroRNA Therapeutic Delivery Strategies. Cancers, 2020, 12, 1852.	1.7	148

#	Article	IF	CITATIONS
1854	Camouflaged, activatable and therapeutic tandem bionanoreactors for breast cancer theranosis. Journal of Colloid and Interface Science, 2020, 580, 365-376.	5.0	9
1855	One-pot fabrication of uniform half-moon-shaped biodegradable microparticles via microfluidic approach. Journal of Industrial and Engineering Chemistry, 2020, 90, 152-158.	2.9	7
1856	Influence of Ultrasound and Magnetic Field Treatment Time on Carcinoma Cell Inhibition with Drug Carriers: An in Vitro Study. Ultrasound in Medicine and Biology, 2020, 46, 2752-2764.	0.7	4
1857	One-Dimensional Synergistic Core–Shell Nanozymes with Superior Peroxidase-like Activity for Ultrasensitive Colorimetric Detection of Blood Cholesterol. ACS Applied Bio Materials, 2020, 3, 5111-5119.	2.3	25
1858	Light-Triggered Trafficking to the Cell Nucleus of a Cationic Polyamidoamine Functionalized with Ruthenium Complexes. ACS Applied Materials & Samp; Interfaces, 2020, 12, 34576-34587.	4.0	6
1859	Furry nanoparticles: synthesis and characterization of nanoemulsion-mediated core crosslinked nanoparticles and their robust stability <i>in vivo</i> . Polymer Chemistry, 2020, 11, 4408-4416.	1.9	7
1860	Synthesis and in vivo evaluation of PEG-BP–BaYbF5 nanoparticles for computed tomography imaging and their toxicity. Journal of Materials Chemistry B, 2020, 8, 7723-7732.	2.9	8
1861	Acid-sensitive PEGylated paclitaxel prodrug nanoparticles for cancer therapy: Effect of PEG length on antitumor efficacy. Journal of Controlled Release, 2020, 326, 265-275.	4.8	41
1862	Light-induced liposomes for cancer therapeutics. Progress in Lipid Research, 2020, 79, 101052.	5.3	47
1863	In silico modelling of cancer nanomedicine, across scales and transport barriers. Npj Computational Materials, 2020, 6, .	3.5	62
1864	Drug Delivery Systems. , 2020, , 1237-1266.		9
1865	Receptor-mediated targeted drug delivery systems for treatment of inflammatory bowel disease: Opportunities and emerging strategies. Acta Pharmaceutica Sinica B, 2021, 11, 2798-2818.	5.7	58
1866	Recent Developments in Pathological pH-Responsive Polymeric Nanobiosensors for Cancer Theranostics. Frontiers in Bioengineering and Biotechnology, 2020, 8, 601586.	2.0	7
1867	Photo-Triggered Delivery of siRNA and Paclitaxel into Breast Cancer Cells Using Catanionic Vesicles. ACS Applied Bio Materials, 2020, 3, 7388-7398.	2.3	12
1868	Nanobioconjugates: Weapons against Antibacterial Resistance. ACS Applied Bio Materials, 2020, 3, 8271-8285.	2.3	14
1869	Mechanistic Understanding From Molecular Dynamics Simulation in Pharmaceutical Research 1: Drug Delivery. Frontiers in Molecular Biosciences, 2020, 7, 604770.	1.6	54
1870	<p>Advances in Exosome-Based Drug Delivery and Tumor Targeting: From Tissue Distribution to Intracellular Fate</p> . International Journal of Nanomedicine, 2020, Volume 15, 9355-9371.	3.3	132
1871	Nanoparticles Coated with Cell Membranes for Biomedical Applications. Biology, 2020, 9, 406.	1.3	42

#	Article	IF	CITATIONS
1872	Designed DNA nanostructure grafted with erlotinib for non-small-cell lung cancer therapy. Nanoscale, 2020, 12, 23953-23958.	2.8	24
1873	Combination of metabolic intervention and T cell therapy enhances solid tumor immunotherapy. Science Translational Medicine, 2020, 12, .	5.8	85
1874	Rare-Earth-Doped Cerium Oxide Nanocubes for Biomedical Near-Infrared and Magnetic Resonance Imaging. ACS Biomaterials Science and Engineering, 2020, 6, 6971-6980.	2.6	18
1875	Folic Acid–Functionalized Composite Scaffolds of Gelatin and Gold Nanoparticles for Photothermal Ablation of Breast Cancer Cells. Frontiers in Bioengineering and Biotechnology, 2020, 8, 589905.	2.0	19
1876	Co-delivery of cisplatin and siRNA through hybrid nanocarrier platform for masking resistance to chemotherapy in lung cancer. Drug Delivery and Translational Research, 2021, 11, 2052-2071.	3.0	19
1877	Nanostructured Polymeric, Liposomal and Other Materials to Control the Drug Delivery for Cardiovascular Diseases. Pharmaceutics, 2020, 12, 1160.	2.0	24
1878	Functionalized silk spheres selectively and effectively deliver a cytotoxic drug to targeted cancer cells in vivo. Journal of Nanobiotechnology, 2020, 18, 177.	4.2	21
1879	Self-Assembling Supramolecular Dendrimers for Biomedical Applications: Lessons Learned from Poly(amidoamine) Dendrimers. Accounts of Chemical Research, 2020, 53, 2936-2949.	7.6	69
1880	Overcoming Biological Barriers With Block Copolymers-Based Self-Assembled Nanocarriers. Recent Advances in Delivery of Anticancer Therapeutics. Frontiers in Pharmacology, 2020, 11, 593197.	1.6	9
1881	Aptamer-Functionalized Nanoparticles in Targeted Delivery and Cancer Therapy. International Journal of Molecular Sciences, 2020, 21, 9123.	1.8	91
1882	^{99m} Tc-Functionalized Single-Walled Carbon Nanotubes for Bone Targeting. ACS Applied Nano Materials, 2020, 3, 11819-11824.	2.4	13
1883	Nanomicelles potentiate histone deacetylase inhibitor efficacy in vitro. Cancer Nanotechnology, 2020, 11, .	1.9	2
1884	Tumor Targeted Multifunctional Magnetic Nanobubbles for MR/US Dual Imaging and Focused Ultrasound Triggered Drug Delivery. Frontiers in Bioengineering and Biotechnology, 2020, 8, 586874.	2.0	11
1885	<p>In vivo Bio-Distribution and Toxicity Evaluation of Polymeric and Lipid-Based Nanoparticles: A Potential Approach for Chronic Diseases Treatment</p> . International Journal of Nanomedicine, 2020, Volume 15, 8609-8621.	3.3	32
1886	Poly(lactic-co-glycolic acid) nanomaterial-based treatment options for pain management: a review. Nanomedicine, 2020, 15, 1897-1913.	1.7	13
1887	The magnetic inorganic-organic nanocomposite based on ZnFe2O4-Imatinib-liposome for biomedical applications, inÂvivo and inÂvitro study. Journal of Alloys and Compounds, 2020, 849, 156604.	2.8	48
1888	A bionic shuttle carrying multi-modular particles and holding tumor-tropic features. Materials Science and Engineering C, 2020, 117, 111338.	3.8	5
1889	Visible/Near-Infrared Emitting, Garnet-Based Paramagnetic-Persistent Luminescent Nanocrystals for Two-Photon Bioimaging. Crystal Growth and Design, 2020, 20, 5880-5889.	1.4	8

#	ARTICLE	IF	CITATIONS
1890	Exosomes: key players in cancer and potential therapeutic strategy. Signal Transduction and Targeted Therapy, 2020, 5, 145.	7.1	568
1891	Preparation and Characterisation of Niosomal Emulsions as Novel Drug Delivery Vehicle Derived from Natural Seaweeds. , 0, , .		0
1892	Nanoproteomics enables proteoform-resolved analysis of low-abundance proteins in human serum. Nature Communications, 2020, 11, 3903.	5.8	43
1893	Tumorâ€Microenvironmentâ€Activated In Situ Selfâ€Assembly of Sequentially Responsive Biopolymer for Targeted Photodynamic Therapy. Advanced Functional Materials, 2020, 30, 2000229.	7.8	31
1894	Understanding Nanomedicine Size and Biological Response Dependency: What Is the Relevance of Previous Relationships Established on Only Batch-Mode DLS-Measured Sizes?. Pharmaceutical Research, 2020, 37, 161.	1.7	4
1895	Azo-inserted responsive hybrid liposomes for hypoxia-specific drug delivery. Acta Biomaterialia, 2020, 115, 343-357.	4.1	23
1896	Photo-induced specific intracellular release EGFR inhibitor from enzyme/ROS-dual sensitive nano-platforms for molecular targeted-photodynamic combinational therapy of non-small cell lung cancer. Journal of Materials Chemistry B, 2020, 8, 7931-7940.	2.9	11
1897	Nanoformulation of PROteolysis TArgeting Chimera targeting â€~undruggable' <i>c-Myc</i> for the treatment of pancreatic cancer. Nanomedicine, 2020, 15, 1761-1777.	1.7	53
1898	Protein Corona of Nanoparticles and Its Application in Drug Delivery. , 2020, , 389-419.		0
1899	Current trends, achievements, and prospects of smart nanodevices in the global pharma market., 2020, , 351-393.		0
1900	Biodegradable cationic nanogels with tunable size, swelling and pKa for drug delivery. International Journal of Pharmaceutics, 2020, 588, 119691.	2.6	17
1901	Neurotransmitter-derived lipidoids (NT-lipidoids) for enhanced brain delivery through intravenous injection. Science Advances, 2020, 6, eabb4429.	4.7	89
1902	Longitudinal In-Vivo X-Ray Fluorescence Computed Tomography With Molybdenum Nanoparticles. IEEE Transactions on Medical Imaging, 2020, 39, 3910-3919.	5.4	19
1903	Micro/Nanorobot: A Promising Targeted Drug Delivery System. Pharmaceutics, 2020, 12, 665.	2.0	78
1904	Hierarchically constructed selenium-doped bone-mimetic nanoparticles promote ROS-mediated autophagy and apoptosis for bone tumor inhibition. Biomaterials, 2020, 257, 120253.	5.7	47
1905	De novo synthesis and particle size control of iron metal organic framework for diclofenac drug delivery. Microporous and Mesoporous Materials, 2020, 309, 110495.	2.2	29
1906	Macrophage membrane coated persistent luminescence nanoparticle@MOF-derived mesoporous carbon core–shell nanocomposites for autofluorescence-free imaging-guided chemotherapy. Journal of Materials Chemistry B, 2020, 8, 8071-8083.	2.9	30
1907	Multiscale modeling of protein membrane interactions for nanoparticle targeting in drug delivery. Current Opinion in Structural Biology, 2020, 64, 104-110.	2.6	9

#	ARTICLE	IF	CITATIONS
1908	A supramolecular platform for controlling and optimizing molecular architectures of siRNA targeted delivery vehicles. Science Advances, 2020, 6, eabc2148.	4.7	29
1909	Engineering Intelligent Nanosystems for Enhanced Medical Imaging. Advanced Intelligent Systems, 2020, 2, 2000087.	3.3	30
1910	Penetrable Nanoplatform for "Cold―Tumor Immune Microenvironment Reeducation. Advanced Science, 2020, 7, 2000411.	5.6	53
1911	Direct Visualization and Quantification of Maternal Transfer of Silver Nanoparticles in Zooplankton. Environmental Science & E	4.6	19
1912	pH/redox sequentially responsive nanoparticles with size shrinkage properties achieve deep tumor penetration and reversal of multidrug resistance. Biomaterials Science, 2020, 8, 4767-4778.	2.6	21
1913	Adapted nano-carriers for gastrointestinal defense components: surface strategies and challenges. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 29, 102277.	1.7	15
1914	Self-Assembling PCL–PAMAM Linear Dendritic Block Copolymers (LDBCs) for Bioimaging and Phototherapeutic Applications. ACS Applied Bio Materials, 2020, 3, 5664-5677.	2.3	21
1915	Plasma polymerized nanoparticles effectively deliver dual siRNA and drug therapy in vivo. Scientific Reports, 2020, 10, 12836.	1.6	18
1916	A novel embolic microspheres with micro nano binary progressive structure for transarterial chemoembolization applications. European Journal of Pharmaceutical Sciences, 2020, 153, 105496.	1.9	8
1917	Effect of endothelial cell heterogeneity on nanoparticle uptake. International Journal of Pharmaceutics, 2020, 587, 119699.	2.6	12
1918	Distribution of Particles in Human Stem Cell-Derived 3D Neuronal Cell Models: Effect of Particle Size, Charge, and Density. Biomacromolecules, 2020, 21, 3186-3196.	2.6	4
1919	Synthesis of Radioluminescent CaF2:Ln Core, Mesoporous Silica Shell Nanoparticles for Use in X-ray Based Theranostics. Nanomaterials, 2020, 10, 1447.	1.9	5
1920	Aggregationâ€Induced Emission Luminogens Married to 2D Black Phosphorus Nanosheets for Highly Efficient Multimodal Theranostics. Advanced Materials, 2020, 32, e2003382.	11.1	110
1921	Nanomedicine progress in thrombolytic therapy. Biomaterials, 2020, 258, 120297.	5.7	62
1922	General Nanomedicine Platform by Solvent-Mediated Disassembly/Reassembly of Scalable Natural Polyphenol Colloidal Spheres. ACS Applied Materials & Interfaces, 2020, 12, 37914-37928.	4.0	25
1923	Bioinspired red blood cell membrane-encapsulated biomimetic nanoconstructs for synergistic and efficacious chemo-photothermal therapy. Colloids and Surfaces B: Biointerfaces, 2020, 189, 110842.	2.5	29
1924	Facile synthesis of biocompatible L-cysteine-modified MoS2 nanospheres with high photothermal conversion efficiency for photothermal therapy of tumor. Materials Science and Engineering C, 2020, 117, 111371.	3.8	36
1925	The Crucial Role of Environmental Coronas in Determining the Biological Effects of Engineered Nanomaterials. Small, 2020, 16, e2003691.	5.2	66

#	Article	IF	CITATIONS
1926	Surface-modified Nanobiomaterials for Electrochemical and Biomedicine Applications. Topics in Current Chemistry Collections, 2020, , .	0.2	3
1927	Engineering long-circulating nanomaterial delivery systems. Current Opinion in Biotechnology, 2020, 66, 131-139.	3.3	24
1928	Biodegradable self-assembled nanoparticles of PEG-PLGA amphiphilic diblock copolymer as a promising stealth system for augmented vinpocetine brain delivery. International Journal of Pharmaceutics, 2020, 588, 119778.	2.6	16
1929	Luminescence Imaging of Acute Liver Injury by Biodegradable and Biocompatible Nanoprobes. ACS Nano, 2020, 14, 11083-11099.	7.3	37
1930	A fluorous biphase drug delivery system triggered by low frequency ultrasound: controlled release from perfluorous discoidal porous silicon particles. Nanoscale Advances, 2020, 2, 3561-3569.	2.2	6
1931	Antitumoral Drug: Loaded Hybrid Nanocapsules Based on Chitosan with Potential Effects in Breast Cancer Therapy. International Journal of Molecular Sciences, 2020, 21, 5659.	1.8	12
1932	Synthesis and characterization of turmeric oil loaded non-ionic surfactant vesicles (niosomes) and its enhanced larvicidal activity against mosquito vectors. Biocatalysis and Agricultural Biotechnology, 2020, 29, 101737.	1,5	14
1933	Structure, energetics and thermodynamics of PLGA condensed phases from Molecular Dynamics. Polymer, 2020, 206, 122903.	1.8	8
1934	Nanoparticles exhibit greater accumulation in kidney glomeruli during experimental glomerular kidney disease. Physiological Reports, 2020, 8, e14545.	0.7	20
1935	Cellular―and Subcellularâ€Targeted Delivery Using a Simple Allâ€inâ€One Polymeric Nanoassembly. Angewandte Chemie - International Edition, 2020, 59, 23466-23470.	7.2	35
1936	Aerosolized hyaluronic acid decorated, ferulic acid loaded chitosan nanoparticle: A promising asthma control strategy. International Journal of Pharmaceutics, 2020, 591, 119958.	2.6	39
1937	Advances in Lipid Nanoparticles for mRNA-Based Cancer Immunotherapy. Frontiers in Chemistry, 2020, 8, 589959.	1.8	157
1938	Immunotoxin Screening System: A Rapid and Direct Approach to Obtain Functional Antibodies with Internalization Capacities. Toxins, 2020, 12, 658.	1.5	14
1939	Neutrophils Enable Local and Nonâ€Invasive Liposome Delivery to Inflamed Skeletal Muscle and Ischemic Heart. Advanced Materials, 2020, 32, e2003598.	11.1	66
1940	A multifunctional CeO2@SiO2-PEG nanoparticle carrier for delivery of food derived proanthocyanidin and curcumin as effective antioxidant, neuroprotective and anticancer agent. Food Research International, 2020, 137, 109674.	2.9	14
1941	Comparison of the uptake mechanisms of zwitterionic and negatively charged liposomes by HeLa cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 30, 102300.	1.7	21
1942	Melatonin delivery from PCL scaffold enhances glycosaminoglycans deposition in human chondrocytes – Bioactive scaffold model for cartilage regeneration. Process Biochemistry, 2020, 99, 36-47.	1.8	17
1943	Impact of Protein Corona on Noncovalent Molecule–Gold Nanoparticle-Based Sensing. Analytical Chemistry, 2020, 92, 14990-14998.	3.2	7

#	Article	IF	CITATIONS
1944	Proton-driven transformable nanovaccine for cancer immunotherapy. Nature Nanotechnology, 2020, 15, 1053-1064.	15.6	194
1945	Cockle shell-derived aragonite calcium carbonate nanoparticle for targeting cancer and breast cancer stem cells. Cancer Nanotechnology, 2020, 11 , .	1.9	5
1946	Black phosphorus quantum dots encapsulated in anionic waterborne polyurethane nanoparticles for enhancing stability and reactive oxygen species generation for cancer PDT/PTT therapy. Journal of Materials Chemistry B, 2020, 8, 10650-10661.	2.9	20
1947	Recent advances in drug delivery systems for enhancing drug penetration into tumors. Drug Delivery, 2020, 27, 1474-1490.	2.5	71
1948	Cytotoxicity and insulin resistance reversal ability of biofunctional phytosynthesized MgO nanoparticles. 3 Biotech, 2020, 10, 489.	1.1	9
1949	Systemically Delivered Magnetic Hyperthermia for Prostate Cancer Treatment. Pharmaceutics, 2020, 12, 1020.	2.0	35
1950	Electrophoresis of dielectric and immiscible-liquid-layer-encapsulated colloids in aqueous media. Physical Review E, 2020, 102, 042618.	0.8	1
1951	Serum level of vitamin D, CRP and biochemical parameter in acute and chronic brucellosis treated with doxycycline-loaded solid lipid nanoparticles. Gene Reports, 2020, 21, 100940.	0.4	3
1952	Polymeric Nanoparticles Controlled by Onâ€Chip Selfâ€Assembly Enhance Cancer Treatment Effectiveness. Advanced Healthcare Materials, 2020, 9, 2001633.	3.9	6
1953	Cancer Cell Membrane Camouflaged Semiâ€Yolk@Spikyâ€Shell Nanomotor for Enhanced Cell Adhesion and Synergistic Therapy. Small, 2020, 16, e2003834.	5.2	54
1954	Regeneration of hyaline cartilage in osteochondral lesion model using Lâ€lysine magnetic nanoparticles labeled mesenchymal stem cells and their in vivo imaging. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 1604-1617.	1.3	8
1955	Morphology, structure and cytotoxicity of dye-loaded lipid nanoparticles based on monoamine pillar[5]arenes. Materials Chemistry Frontiers, 2020, 4, 2962-2970.	3.2	10
1956	Regulating Interactions Between Targeted Nanocarriers and Mononuclear Phagocyte System via an Esomeprazole-Based Preconditioning Strategy. International Journal of Nanomedicine, 2020, Volume 15, 6385-6399.	3.3	9
1957	Recent Advances in Nanocarrier-Assisted Therapeutics Delivery Systems. Pharmaceutics, 2020, 12, 837.	2.0	99
1958	Cellular―and Subcellularâ€Targeted Delivery Using a Simple All―nâ€One Polymeric Nanoassembly. Angewandte Chemie, 2020, 132, 23672-23676.	1.6	6
1959	3D RNA nanocage for encapsulation and shielding of hydrophobic biomolecules to improve the in vivo biodistribution. Nano Research, 2020, 13, 3241-3247.	5.8	4
1960	Functionalized Graphene Oxide for Chemotherapeutic Drug Delivery and Cancer Treatment: A Promising Material in Nanomedicine. International Journal of Molecular Sciences, 2020, 21, 6280.	1.8	95
1961	Amelioration of ulcerative colitis <i>via</i> inflammatory regulation by macrophage-biomimetic nanomedicine. Theranostics, 2020, 10, 10106-10119.	4.6	77

#	Article	IF	CITATIONS
1962	A Sequentially Responsive Nanosystem Breaches Cascaded Bio-barriers and Suppresses P-Glycoprotein Function for Reversing Cancer Drug Resistance. ACS Applied Materials & Samp; Interfaces, 2020, 12, 54343-54355.	4.0	15
1963	A bilirubin-conjugated chitosan nanotheranostics system as a platform for reactive oxygen species stimuli-responsive hepatic fibrosis therapy. Acta Biomaterialia, 2020, 116, 356-367.	4.1	16
1964	Cancer-specific drug-drug nanoparticles of pro-apoptotic and cathepsin B-cleavable peptide-conjugated doxorubicin for drug-resistant cancer therapy. Biomaterials, 2020, 261, 120347.	5.7	60
1965	Examining the Anti-Tumor Activity of Dp44mT-Loaded Nanoparticles In Vitro. , 2020, 2020, 5029-5032.		0
1966	Eco-friendly development of an ultrasmall IONP-loaded nanoplatform for bimodal imaging-guided cancer theranostics. Biomaterials Science, 2020, 8, 6375-6386.	2.6	9
1967	Fragmentation of Fiber-like Micelles with a π-Conjugated Crystalline Oligo(<i>p</i> pphenylenevinylene) Core and a Photocleavable Corona in Water: A Matter of Density of Corona-Forming Chains. Macromolecules, 2020, 53, 8631-8641.	2.2	15
1968	Poly-(Lactic-co-Glycolic) Acid Nanoparticles for Synergistic Delivery of Epirubicin and Paclitaxel to Human Lung Cancer Cells. Molecules, 2020, 25, 4243.	1.7	19
1969	Synthesis of Poly(Dimethylmalic Acid) Homo- and Copolymers to Produce Biodegradable Nanoparticles for Drug Delivery: Cell Uptake and Biocompatibility Evaluation in Human Heparg Hepatoma Cells. Polymers, 2020, 12, 1705.	2.0	1
1970	TMEâ€Responsive Polyprodrug Micelles for Multistage Delivery of Doxorubicin with Improved Cancer Therapeutic Efficacy in Rodents. Advanced Healthcare Materials, 2020, 9, e2000387.	3.9	18
1971	Engineering Macrophages for Cancer Immunotherapy and Drug Delivery. Advanced Materials, 2020, 32, e2002054.	11.1	464
1972	Combined Tumor Environment Triggered Selfâ€Assembling Peptide Nanofibers and Inducible Multivalent Ligand Display for Cancer Cell Targeting with Enhanced Sensitivity and Specificity. Small, 2020, 16, e2002780.	5.2	13
1973	pH-Responsive Nanoparticles for Cancer Immunotherapy: A Brief Review. Nanomaterials, 2020, 10, 1613.	1.9	51
1974	Protein Expression Knockdown in Cancer Cells Induced by a Gemini Cationic Lipid Nanovector with Histidine-Based Polar Heads. Pharmaceutics, 2020, 12, 791.	2.0	7
1975	100th Anniversary of Macromolecular Science Viewpoint: Biological Stimuli-Sensitive Polymer Prodrugs and Nanoparticles for Tumor-Specific Drug Delivery. ACS Macro Letters, 2020, 9, 1292-1302.	2.3	31
1976	Comparative Nanofabrication of PLGA-Chitosan-PEG Systems Employing Microfluidics and Emulsification Solvent Evaporation Techniques. Polymers, 2020, 12, 1882.	2.0	27
1977	Nanoparticles in the Biological Context: Surface Morphology and Protein Corona Formation. Small, 2020, 16, e2002162.	5.2	60
1978	Applications of Mesoporous Silica-Encapsulated Gold Nanorods Loaded Doxorubicin in Chemo-photothermal Therapy. ACS Omega, 2020, 5, 20231-20237.	1.6	16
1979	Modulating barriers of tumor microenvironment through nanocarrier systems for improved cancer immunotherapy: a review of current status and future perspective. Drug Delivery, 2020, 27, 1248-1262.	2.5	16

#	Article	IF	CITATIONS
1980	Characteristics of Molecularly Engineered Anticancer Drug Conjugated Organic Nanomicelles for Site-Selective Cancer Cell Rupture and Growth Inhibition of Tumor Spheroids. ACS Applied Bio Materials, 2020, 3, 7067-7079.	2.3	4
1981	Biomolecular Ultrasound Imaging of Phagolysosomal Function. ACS Nano, 2020, 14, 12210-12221.	7.3	38
1982	Cisplatin-loaded albumin nanoparticle and study their internalization effect by using \hat{l}^2 -cyclodextrin. Journal of Receptor and Signal Transduction Research, 2020, 41, 1-8.	1.3	8
1983	Metal–Organic Framework Derived Multicomponent Nanoagent as a Reactive Oxygen Species Amplifier for Enhanced Photodynamic Therapy. ACS Nano, 2020, 14, 13500-13511.	7.3	75
1984	Inducing Defects in ¹⁹ F-Nanocrystals Provides Paramagnetic-free Relaxation Enhancement for Improved <i>In Vivo</i> Hotspot MRI. Nano Letters, 2020, 20, 7207-7212.	4.5	18
1985	Dendrimers toward Translational Nanotherapeutics: Concise Key Step Analysis. Bioconjugate Chemistry, 2020, 31, 2060-2071.	1.8	38
1986	Internalization Mechanisms of Pyridinium Sulfobetaine Polymers Evaluated by Induced Protic Perturbations on Cell Surfaces. Langmuir, 2020, 36, 9977-9984.	1.6	10
1987	Surface-Charge-Switchable Nanoclusters for Magnetic Resonance Imaging-Guided and Glutathione Depletion-Enhanced Photodynamic Therapy. ACS Nano, 2020, 14, 11225-11237.	7.3	94
1988	Effect of Nanoparticle Composition, Size, Shape, and Stiffness on Penetration Across the Blood–Brain Barrier. ACS Biomaterials Science and Engineering, 2020, 6, 4916-4928.	2.6	90
1989	Gap Junction Liposomes for Efficient Delivery of Chemotherapeutics to Solid Tumors. ACS Biomaterials Science and Engineering, 2020, 6, 4851-4857.	2.6	8
1990	Photothermally Modulatable and Structurally Disintegratable Sub-8-nm Au1Ag9 Embedded Nanoblocks for Combination Cancer Therapy Produced by Plug-in Assembly. ACS Nano, 2020, 14, 11040-11054.	7. 3	19
1991	Recent Advances in Polymeric Nanoparticle-Encapsulated Drugs against Intracellular Infections. Molecules, 2020, 25, 3760.	1.7	66
1992	The Coppery Age: Copper (Cu)″nvolved Nanotheranostics. Advanced Science, 2020, 7, 2001549.	5.6	126
1993	Stealth cross-linked polymeric nanoparticles for passive drug targeting: a combination of molecular docking and comprehensive in vitro assay. Bulletin of Materials Science, 2020, 43, 1.	0.8	0
1994	Gold Nanoparticles: A New Golden Era in Oncology?. Pharmaceuticals, 2020, 13, 192.	1.7	30
1995	Retooling Cancer Nanotherapeutics' Entry into Tumors to Alleviate Tumoral Hypoxia. Small, 2020, 16, e2003000.	5 . 2	36
1996	Selective targeting of cancer signaling pathways with nanomedicines: challenges and progress. Future Oncology, 2020, 16, 2959-2979.	1.1	22
1997	Engineering small molecule nanodrugs to overcome barriers for cancer therapy. View, 2020, 1, 20200062.	2.7	19

#	ARTICLE	IF	CITATIONS
1998	Controlled Block Polypeptide Composed of <scp>d</scp> -Type Amino Acids: A Therapeutics Delivery Platform to Inhibit Biofilm Formation of Drug-Resistant Bacteria. ACS Applied Bio Materials, 2020, 3, 6343-6350.	2.3	10
1999	Remodeling Tumor Microenvironment by Multifunctional Nanoassemblies for Enhanced Photodynamic Cancer Therapy., 2020, 2, 1268-1286.		40
2000	Design, characterization, and intracellular trafficking of biofunctionalized chitosan nanomicelles. Biointerphases, 2020, 15, 061003.	0.6	5
2001	Intratumoral injection of hydrogel-embedded nanoparticles enhances retention in glioblastoma. Nanoscale, 2020, 12, 23838-23850.	2.8	38
2002	Nanotherapeutic modulation of excitotoxicity and oxidative stress in acute brain injury. Nanobiomedicine, 2020, 7, 184954352097081.	4.4	11
2003	Tumor Microenvironment-Stimuli Responsive Nanoparticles for Anticancer Therapy. Frontiers in Molecular Biosciences, 2020, 7, 610533.	1.6	60
2004	Bioinspired Synthesis of Intrinsically ¹⁷⁷ Lu-Labeled Hybrid Nanoparticles for Potential Cancer Therapy. Industrial & Engineering Chemistry Research, 2020, 59, 22492-22500.	1.8	9
2005	Photo-Based Nanomedicines Using Polymeric Systems in the Field of Cancer Imaging and Therapy. Biomedicines, 2020, 8, 618.	1.4	7
2006	Mesoporous Silica Nanoparticles for Targeting Subcellular Organelles. International Journal of Molecular Sciences, 2020, 21, 9696.	1.8	32
2007	The Therapeutic Efficacy of Dendrimer and Micelle Formulations for Breast Cancer Treatment. Pharmaceutics, 2020, 12, 1212.	2.0	42
2008	Macrophage-Membrane-Camouflaged Disintegrable and Excretable Nanoconstruct for Deep Tumor Penetration. ACS Applied Materials & Samp; Interfaces, 2020, 12, 56767-56781.	4.0	39
2009	Drug-Loaded Lipid-Core Micelles in Mucoadhesive Films as a Novel Dosage Form for Buccal Administration of Poorly Water-Soluble and Biological Drugs. Pharmaceutics, 2020, 12, 1168.	2.0	14
2010	Soluble Guanylate Cyclase Inhibitors Discovered among Natural Compounds. Journal of Natural Products, 2020, 83, 3642-3651.	1.5	3
2011	Selective extracellular arginine deprivation by a single injection of cellular non-uptake arginine deiminase nanocapsules for sustained tumor inhibition. Nanoscale, 2020, 12, 24030-24043.	2.8	16
2012	<p>Distinct Proteins in Protein Corona of Nanoparticles Represent a Promising Venue for Endogenous Targeting – Part II: In vitro and in vivo Kinetics Study</p> . International Journal of Nanomedicine, 2020, Volume 15, 9539-9556.	3.3	11
2013	A selective drug delivery system based on phospholipid-type nanobubbles for lung cancer therapy. Nanomedicine, 2020, 15, 2689-2705.	1.7	8
2014	Effect of Physico-Chemical Properties of Nanoparticles on Their Intracellular Uptake. International Journal of Molecular Sciences, 2020, 21, 8019.	1.8	109
2015	Liposome-Based Drug Delivery Systems in Cancer Immunotherapy. Pharmaceutics, 2020, 12, 1054.	2.0	77

#	Article	IF	CITATIONS
2016	Development of a nano-immunomodulator encapsulating R837 and caffeine for combined radio-/immunotherapy against orthotopic breast cancer. Progress in Natural Science: Materials International, 2020, 30, 697-706.	1.8	6
2017	Molecular Sensing with Host Systems for Hyperpolarized 129Xe. Molecules, 2020, 25, 4627.	1.7	19
2018	Electron-Accepting Micelles Deplete Reduced Nicotinamide Adenine Dinucleotide Phosphate and Impair Two Antioxidant Cascades for Ferroptosis-Induced Tumor Eradication. ACS Nano, 2020, 14, 14715-14730.	7.3	118
2019	Engineering microrobots for targeted cancer therapies from a medical perspective. Nature Communications, 2020, 11, 5618.	5.8	220
2020	Polypeptide Nanoparticles with pH-Sheddable PEGylation for Improved Drug Delivery. Langmuir, 2020, 36, 13656-13662.	1.6	13
2021	Co-Delivery of CPT-11 and Panobinostat with Anti-GD2 Antibody Conjugated Immunoliposomes for Targeted Combination Chemotherapy. Cancers, 2020, 12, 3211.	1.7	22
2022	Applications of Nanomaterials for Theranostics of Melanoma. Journal of Nanotheranostics, 2020, 1, 39-55.	1.7	4
2023	Fluorescence imaging-guided multifunctional liposomes for tumor-specific phototherapy for laryngeal carcinoma. Biomaterials Science, 2020, 8, 3443-3453.	2.6	17
2024	Anidulafungin liposome nanoparticles exhibit antifungal activity against planktonic and biofilm <scp><i>Candida albicans</i></scp> . Journal of Biomedical Materials Research - Part A, 2020, 108, 2263-2276.	2.1	22
2025	Atomistic Simulations on Interactions between Amphiphilic Janus Nanoparticles and Lipid Bilayers: Effects of Lipid Ordering and Leaflet Asymmetry. Journal of Physical Chemistry B, 2020, 124, 4466-4475.	1.2	12
2026	Anti-Tumor Activity of Intravenously Administered Plumbagin Entrapped in Targeted Nanoparticles. Journal of Biomedical Nanotechnology, 2020, 16, 85-100.	0.5	6
2027	Sulfoxideâ€Containing Polymerâ€Coated Nanoparticles Demonstrate Minimal Protein Fouling and Improved Blood Circulation. Advanced Science, 2020, 7, 2000406.	5.6	43
2028	Comparative cytotoxic effect of citrate-capped gold nanoparticles with different sizes on noncancerous and cancerous cell lines. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	32
2029	Design of nanomaterials for applications in maternal/fetal medicine. Journal of Materials Chemistry B, 2020, 8, 6548-6561.	2.9	23
2030	Going even smaller: Engineering subâ€5 nm nanoparticles for improved delivery, biocompatibility, and functionality. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1644.	3.3	18
2031	Ultrasmall <i>T</i> ₁ – <i>T</i> ₂ Magnetic Resonance Multimodal Imaging Nanoprobes for the Detection of β-amyloid Aggregates in Alzheimer's Disease Mice. ACS Applied Materials & Lagrange (Interfaces, 2020, 12, 26812-26821.	4.0	11
2032	Tumorâ€Microenvironmentâ€Triggered Ion Exchange of a Metal–Organic Framework Hybrid for Multimodal Imaging and Synergistic Therapy of Tumors. Advanced Materials, 2020, 32, e2001452.	11.1	92
2033	Polyglycerol Grafting Shields Nanoparticles from Protein Corona Formation to Avoid Macrophage Uptake. ACS Nano, 2020, 14, 7216-7226.	7.3	100

#	Article	IF	CITATIONS
2034	Sustainable Agriculture Reviews 43. Sustainable Agriculture Reviews, 2020, , .	0.6	2
2035	Piperacillin Encapsulation in Nanoliposomes Using Modified Freeze-Drying of a Monophase Solution Method: Preparation, Characterization and In Vitro Antibacterial Activity. Current Microbiology, 2020, 77, 2356-2364.	1.0	6
2036	Tumor-Sensitive Biodegradable Nanoparticles of Molecularly Imprinted Polymer-Stabilized Fluorescent Zeolitic Imidazolate Framework-8 for Targeted Imaging and Drug Delivery. ACS Applied Materials & Samp; Interfaces, 2020, 12, 24585-24598.	4.0	76
2037	Reactive Oxygen Species Responsive Theranostic Nanoplatform for Two-Photon Aggregation-Induced Emission Imaging and Therapy of Acute and Chronic Inflammation. ACS Nano, 2020, 14, 5862-5873.	7.3	100
2038	Nanoparticleâ€Mediated Suicide Gene Therapy for Triple Negative Breast Cancer Treatment. Advanced Therapeutics, 2020, 3, 2000007.	1.6	7
2039	Size and surface charge characterization of nanoparticles with a salt gradient. Nature Communications, 2020, 11, 2337.	5.8	213
2040	Nanotechnology for wood quality improvement and protection. , 2020, , 469-489.		18
2041	Native and bioengineered extracellular vesicles for cardiovascular therapeutics. Nature Reviews Cardiology, 2020, 17, 685-697.	6.1	228
2042	Phosphorus dendrimer-based copper(II) complexes enable ultrasound-enhanced tumor theranostics. Nano Today, 2020, 33, 100899.	6.2	32
2043	Hexokinase II-Derived Cell-Penetrating Peptide Mediates Delivery of MicroRNA Mimic for Cancer-Selective Cytotoxicity. Biochemistry, 2020, 59, 2259-2273.	1.2	13
2044	Targeted Dual Intervention-Oriented Drug-Encapsulated (DIODE) Nanoformulations for Improved Treatment of Pancreatic Cancer. Cancers, 2020, 12, 1189.	1.7	6
2045	In Situ Formation of Polymeric Nanoassemblies Using an Efficient Reversible Click Reaction. Angewandte Chemie - International Edition, 2020, 59, 15135-15140.	7.2	13
2046	Ultrasound-Activated Cascade Effect for Synergistic Orthotopic Pancreatic Cancer Therapy. IScience, 2020, 23, 101144.	1.9	18
2047	Synthesis of Zinc Oxide Eudragit FS30D Nanohybrids: Structure, Characterization, and Their Application as an Intestinal Drug Delivery System. ACS Omega, 2020, 5, 11799-11808.	1.6	32
2048	A pH-responsive silica–metal–organic framework hybrid nanoparticle for the delivery of hydrophilic drugs, nucleic acids, and CRISPR-Cas9 genome-editing machineries. Journal of Controlled Release, 2020, 324, 194-203.	4.8	55
2049	Nanomedicine solutions to intricate physiological-pathological barriers and molecular mechanisms of tumor multidrug resistance. Journal of Controlled Release, 2020, 323, 483-501.	4.8	21
2050	Aptamer-navigated copolymeric drug carrier system for in vitro delivery of MgO nanoparticles as insulin resistance reversal drug candidate in Type 2 diabetes. Journal of Drug Delivery Science and Technology, 2020, 57, 101764.	1.4	8
2051	Advances in nanotechnology-based strategies for the treatments of amyotrophic lateral sclerosis. Materials Today Bio, 2020, 6, 100055.	2.6	32

#	Article	IF	CITATIONS
2052	Pineconeâ€Inspired Nanoarchitectured Smart Microcages Enable Nano/Microparticle Drug Delivery. Advanced Functional Materials, 2020, 30, 2002434.	7.8	25
2053	Nanocomposites of gold nanoparticles with pregabalin: The future anti-seizure drug. Arabian Journal of Chemistry, 2020, 13, 6267-6273.	2.3	8
2054	Construction of a novel bispecific fusion protein to enhance targeting for pancreatic cancer imaging. Biomaterials, 2020, 255, 120161.	5.7	11
2055	Recent progress in nanotechnology based ferroptotic therapies for clinical applications. European Journal of Pharmacology, 2020, 880, 173198.	1.7	22
2056	Treatment of atherosclerosis by macrophage-biomimetic nanoparticles via targeted pharmacotherapy and sequestration of proinflammatory cytokines. Nature Communications, 2020, 11, 2622.	5.8	315
2057	Curcumin-loaded poly-ε-caprolactone nanoparticles show antioxidant and cytoprotective effects in the presence of reactive oxygen species. Journal of Bioactive and Compatible Polymers, 2020, 35, 270-285.	0.8	11
2058	Cell Membrane-Based Biomimetic Nanoparticles and the Immune System: Immunomodulatory Interactions to Therapeutic Applications. Frontiers in Bioengineering and Biotechnology, 2020, 8, 627.	2.0	59
2059	Nanomedicine to target multidrug resistant tumors. Drug Resistance Updates, 2020, 52, 100704.	6.5	73
2060	Synthesis and characterization of nanoemulsion-mediated core crosslinked nanoparticles, and in vivo pharmacokinetics depending on the structural characteristics. Journal of Controlled Release, 2020, 324, 405-412.	4.8	9
2061	Nanoparticle delivery of a pH-sensitive prodrug of doxorubicin and a mitochondrial targeting VES-H8R8 synergistically kill multi-drug resistant breast cancer cells. Scientific Reports, 2020, 10, 8726.	1.6	15
2062	<p>Conventional and Nanotechnology Based Approaches to Combat Chronic Obstructive Pulmonary Disease: Implications for Chronic Airway Diseases</p> . International Journal of Nanomedicine, 2020, Volume 15, 3803-3826.	3.3	34
2063	Mesopourous Fe3O4@SiO2-hydroxyapatite nanocomposite: Green sonochemical synthesis using strawberry fruit extract as a capping agent, characterization and their application in sulfasalazine delivery and cytotoxicity. Journal of Hazardous Materials, 2020, 400, 123140.	6.5	84
2064	Systematic Evaluation of PKH Labelling on Extracellular Vesicle Size by Nanoparticle Tracking Analysis. Scientific Reports, 2020, 10, 9533.	1.6	63
2065	Fluorescence for biological logic gates. Journal of Biophotonics, 2020, 13, e202000158.	1.1	27
2066	Interaction of doxorubicin hydrochloride in the presence of, mixed aggregate of ibuprofen sodium and cationic lipid. Journal of Molecular Liquids, 2020, 313, 113451.	2.3	7
2067	Assessing the targeting and fate of cathepsin k antibody-modified nanoparticles in a rat abdominal aortic aneurysm model. Acta Biomaterialia, 2020, 112, 225-233.	4.1	12
2068	Functional smart hybrid nanostructures based nanotheranostic approach for advanced cancer treatment. Applied Surface Science, 2020, 527, 146809.	3.1	26
2069	Samarium doped titanium dioxide nanoparticles as theranostic agents in radiation therapy. Physica Medica, 2020, 75, 69-76.	0.4	12

#	Article	IF	CITATIONS
2070	Large-Scale 3D Optical Mapping and Quantitative Analysis of Nanoparticle Distribution in Tumor Vascular Microenvironment. Bioconjugate Chemistry, 2020, 31, 1784-1794.	1.8	9
2071	A review of the application of nanoparticles in the diagnosis and treatment of chronic kidney disease. Bioactive Materials, 2020, 5, 732-743.	8.6	51
2072	pH-Sensitive Folic Acid Conjugated Alginate Nanoparticle for Induction of Cancer-Specific Fluorescence Imaging. Pharmaceutics, 2020, 12, 537.	2.0	6
2073	DNA-Based Nanostructures for Live-Cell Analysis. Journal of the American Chemical Society, 2020, 142, 11343-11356.	6.6	147
2074	Ring opening polymerization of \hat{l}_{\pm} -amino acids: advances in synthesis, architecture and applications of polypeptides and their hybrids. Chemical Society Reviews, 2020, 49, 4737-4834.	18.7	178
2075	Development and characterization of layer-by-layer coated liposomes with poly(L-lysine) and poly(L-glutamic acid) to increase their resistance in biological media. International Journal of Pharmaceutics, 2020, 586, 119568.	2.6	14
2076	Rod-like BODIPY nanomaterials with enhanced photodynamic activity. New Journal of Chemistry, 2020, 44, 11324-11329.	1.4	9
2077	Green Plasmonic Nanoparticles and Bio-Inspired Stimuli-Responsive Vesicles in Cancer Therapy Application. Nanomaterials, 2020, 10, 1083.	1.9	22
2078	New conjugated polymer nanoparticles with high photoluminescence quantum yields for far-red and near infrared fluorescence bioimaging. Materials Chemistry Frontiers, 2020, 4, 2357-2369.	3.2	25
2079	Self-Therapeutic Nanomaterials for Cancer Therapy: A Review. ACS Applied Nano Materials, 2020, 3, 4962-4971.	2.4	39
2080	Engineering nanoparticles to tackle tumor barriers. Journal of Materials Chemistry B, 2020, 8, 6686-6696.	2.9	10
2081	DNA-conjugated layered double hydroxides penetrating into a plasma membrane: Layer size, thickness and DNA grafting density matter. NanoImpact, 2020, 18, 100222.	2.4	7
2082	Azobenzene Photoswitch for Isomerizationâ€Dependent Cancer Therapy via Azoâ€Combretastatin A4 and Phototrexate. Photochemistry and Photobiology, 2020, 96, 1163-1168.	1.3	23
2083	Targeted Heating of Mitochondria Greatly Augments Nanoparticleâ€Mediated Cancer Chemotherapy. Advanced Healthcare Materials, 2020, 9, e2000181.	3.9	19
2084	Blood circulation of soft nanomaterials is governed by dynamic remodeling of protein opsonins at nano-biointerface. Nature Communications, 2020, 11, 3048.	5.8	59
2085	Immune evasion by designer microrobots. Science Robotics, 2020, 5, .	9.9	7
2086	Amphotericin B Loaded Polymeric Nanoparticles for Treatment of Leishmania Infections. Nanomaterials, 2020, 10, 1152.	1.9	56
2087	Smart Gold Nanostructures for Light Mediated Cancer Theranostics: Combining Optical Diagnostics with Photothermal Therapy. Advanced Science, 2020, 7, 1903441.	5.6	117

#	Article	IF	Citations
2088	The importance of spheroids in analyzing nanomedicine efficacy. Nanomedicine, 2020, 15, 1513-1525.	1.7	21
2089	Probing the Electron Transfer between iLOV Protein and Ag Nanoparticles. Molecules, 2020, 25, 2544.	1.7	5
2090	Nanotechnology as a Platform for the Development of Injectable Parenteral Formulations: A Comprehensive Review of the Know-Hows and State of the Art. Pharmaceutics, 2020, 12, 510.	2.0	35
2091	Polydopamine-doped virus-like structured nanoparticles for photoacoustic imaging guided synergistic chemo-/photothermal therapy. RSC Advances, 2020, 10, 18016-18024.	1.7	10
2092	Magnetic nanoparticles applied in targeted therapy and magnetic resonance imaging: crucial preparation parameters, indispensable pre-treatments, updated research advancements and future perspectives. Journal of Materials Chemistry B, 2020, 8, 5973-5991.	2.9	26
2093	Nanotechnology and nanomedicine. , 2020, , 9-21.		1
2094	Introduction to Active, Smart, and Intelligent Nanomaterials for Biomedical Application., 2020,, 1-16.		3
2095	Drug-Directed Morphology Changes in Polymerization-Induced Self-Assembly (PISA) Influence the Biological Behavior of Nanoparticles. ACS Applied Materials & Samp; Interfaces, 2020, 12, 30221-30233.	4.0	34
2096	Combining surface chemistry modification and <i>in situ</i> small-angle scattering characterization to understand and optimize the biological behavior of nanomedicines. Journal of Materials Chemistry B, 2020, 8, 6438-6450.	2.9	4
2097	Contemporary Synthesis of Ultrasmall (subâ€10 nm) Upconverting Nanomaterials. ChemistryOpen, 2020, 9, 703-712.	0.9	5
2098	Aqueous Self-Assembly of Block Copolymers to Form Manganese Oxide-Based Polymeric Vesicles for Tumor Microenvironment-Activated Drug Delivery. Nano-Micro Letters, 2020, 12, 124.	14.4	31
2099	Engineering the drug carrier biointerface to overcome biological barriers to drug delivery. Advanced Drug Delivery Reviews, 2020, 167, 89-108.	6.6	91
2100	Recent advances in gold-based metal enhanced fluorescence platforms for diagnosis and imaging in the near-infrared. Materials Today Advances, 2020, 7, 100073.	2.5	36
2101	Nanotechnology in Chronic Pain Relief. Frontiers in Bioengineering and Biotechnology, 2020, 8, 682.	2.0	9
2102	Therapeutic lipid-coated hybrid nanoparticles against bacterial infections. RSC Advances, 2020, 10, 8497-8517.	1.7	18
2103	The Dual Role of the Liver in Nanomedicine as an Actor in the Elimination of Nanostructures or a Therapeutic Target. Journal of Oncology, 2020, 2020, 1-15.	0.6	33
2104	Multifunctional PVCL nanogels with redox-responsiveness enable enhanced MR imaging and ultrasound-promoted tumor chemotherapy. Theranostics, 2020, 10, 4349-4358.	4.6	55
2105	Thermally self-assembled biodegradable poly(casein-g-N-isopropylacrylamide) unimers and their application in drug delivery for cancer therapy. International Journal of Biological Macromolecules, 2020, 154, 446-455.	3.6	12

#	Article	IF	CITATIONS
2106	Ditelluride-Bridged PEG-PCL Copolymer as Folic Acid-Targeted and Redox-Responsive Nanoparticles for Enhanced Cancer Therapy. Frontiers in Chemistry, 2020, 8, 156.	1.8	21
2107	The future of drug delivery in cancer treatment. , 2020, , 569-597.		1
2108	Nanocontainers for the encapsulation and delivery of antioxidants/nutrients to food., 2020,, 119-136.		1
2109	A bioorthogonal system reveals antitumour immune function of pyroptosis. Nature, 2020, 579, 421-426.	13.7	587
2110	<p>Enhanced and Prolonged Antitumor Effect of Salinomycin-Loaded Gelatinase-Responsive Nanoparticles via Targeted Drug Delivery and Inhibition of Cervical Cancer Stem Cells</p> . International Journal of Nanomedicine, 2020, Volume 15, 1283-1295.	3.3	25
2111	Polymeric Nonviral Gene Delivery Systems for Cancer Immunotherapy. Advanced Therapeutics, 2020, 3, 1900213.	1.6	30
2112	Wavelength dependent photo-cytotoxicity to ovarian carcinoma cells using temoporfin loaded tetraether liposomes as efficient drug delivery system. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 150, 50-65.	2.0	24
2113	The elucidation of phospholipid bilayer–small molecule interactions using a combination of phospholipid nanodiscs and solution state NMR techniques. Chemical Communications, 2020, 56, 4015-4018.	2.2	20
2114	Targeting macrophages: a novel avenue for cancer drug discovery. Expert Opinion on Drug Discovery, 2020, 15, 561-574.	2.5	28
2115	The influence of nanocarrier architectures on antitumor efficacy of docetaxel nanoparticles. RSC Advances, 2020, 10, 11074-11078.	1.7	4
2116	Green nanotechnology-based zinc oxide (ZnO) nanomaterials for biomedical applications: a review. JPhys Materials, 2020, 3, 034005.	1.8	76
2117	Use of Nanoparticles in Medicine. Current Biochemical Engineering, 2020, 6, 7-24.	1.3	18
2118	Emerging methods in therapeutics using multifunctional nanoparticles. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1625.	3.3	31
2119	Polymer lipid hybrid (PLH) formulations. , 2020, , 1-27.		1
2120	Oral delivery of sorafenib through spontaneous formation of ionic liquid nanocomplexes. Journal of Controlled Release, 2020, 322, 602-609.	4.8	55
2121	A mathematical model to predict nanomedicine pharmacokinetics and tumor delivery. Computational and Structural Biotechnology Journal, 2020, 18, 518-531.	1.9	61
2122	Nanoparticle interactions with immune cells dominate tumor retention and induce T cell–mediated tumor suppression in models of breast cancer. Science Advances, 2020, 6, eaay1601.	4.7	107
2123	Synthesis of a fructose decorated PAGE-b-PEG-b-PLGA polymer with subsequent formulation of nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 597, 124701.	2.3	2

#	Article	IF	Citations
2124	Dynamic core crosslinked camptothecin prodrug micelles with reduction sensitivity and boronic acid-mediated enhanced endocytosis: An intelligent tumor-targeted delivery nanoplatform. International Journal of Pharmaceutics, 2020, 580, 119250.	2.6	16
2125	Diffusion of Nanoparticles with Activated Hopping in Crowded Polymer Solutions. Nano Letters, 2020, 20, 3895-3904.	4.5	34
2126	Advanced functional polymer materials. Materials Chemistry Frontiers, 2020, 4, 1803-1915.	3.2	117
2127	Stimuli-responsive nanocarriers for drug delivery, tumor imaging, therapy and theranostics. Theranostics, 2020, 10, 4557-4588.	4.6	334
2128	Engineering a Therapyâ€Induced "Immunogenic Cancer Cell Deathâ€Amplifier to Boost Systemic Tumor Elimination. Advanced Functional Materials, 2020, 30, 1909745.	7.8	87
2129	Lignin-graft-PLGA drug-delivery system improves efficacy of MEK1/2 inhibitors in triple-negative breast cancer cell line. Nanomedicine, 2020, 15, 981-1000.	1.7	19
2130	Systemic Review of Biodegradable Nanomaterials in Nanomedicine. Nanomaterials, 2020, 10, 656.	1.9	173
2131	Mechanistic Understanding of the Biological Responses to Polymeric Nanoparticles. ACS Nano, 2020, 14, 4509-4522.	7.3	55
2132	Docetaxel-loaded solid lipid nanoparticles prevent tumor growth and lung metastasis of 4T1 murine mammary carcinoma cells. Journal of Nanobiotechnology, 2020, 18, 43.	4.2	98
2133	Preparation and Characterization of Chitosan Nanoparticles for Chemotherapy of Melanoma Through Enhancing Tumor Penetration. Frontiers in Pharmacology, 2020, 11, 317.	1.6	36
2134	Simple, green, and low-temperature method for preparation of palladium nanoparticles with controllable sizes and their characterizations. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	5
2135	Critical quality attributes in the development of therapeutic nanomedicines toward clinical translation. Drug Delivery and Translational Research, 2020, 10, 766-790.	3.0	20
2136	Tumor microenvironment (TME)-activatable circular aptamer-PEG as an effective hierarchical-targeting molecular medicine for photodynamic therapy. Biomaterials, 2020, 246, 119971.	5.7	54
2137	Quantitative investigation of the interaction between proteins and charged functional groups on the polyglycerol-grafted nanodiamond surface. Carbon, 2020, 163, 395-401.	5.4	18
2138	Cockle Shell-Derived Aragonite CaCO3 Nanoparticles for Co-Delivery of Doxorubicin and Thymoquinone Eliminates Cancer Stem Cells. International Journal of Molecular Sciences, 2020, 21, 1900.	1.8	15
2139	CD151 in Respiratory Diseases. Frontiers in Cell and Developmental Biology, 2020, 8, 64.	1.8	14
2140	A Novel Approach for Non-Invasive Lung Imaging and Targeting Lung Immune Cells. International Journal of Molecular Sciences, 2020, 21, 1613.	1.8	12
2141	Surface Response Based Modeling of Liposome Characteristics in a Periodic Disturbance Mixer. Micromachines, 2020, 11, 235.	1.4	14

#	Article	IF	CITATIONS
2142	Effective Activation of Human Antigen-Presenting Cells and Cytotoxic CD8+ T Cells by a Calcium Phosphate-Based Nanoparticle Vaccine Delivery System. Vaccines, 2020, 8, 110.	2.1	18
2143	Interactions at the cell membrane and pathways of internalization of nano-sized materials for nanomedicine. Beilstein Journal of Nanotechnology, 2020, 11, 338-353.	1.5	80
2144	Overcoming blood–brain barrier transport: Advances in nanoparticle-based drug delivery strategies. Materials Today, 2020, 37, 112-125.	8.3	196
2145	Targeted Drug Delivery via the Use of ECM-Mimetic Materials. Frontiers in Bioengineering and Biotechnology, 2020, 8, 69.	2.0	37
2146	Fluoroâ€Photoacoustic Polymeric Renal Reporter for Realâ€Time Dual Imaging of Acute Kidney Injury. Advanced Materials, 2020, 32, e1908530.	11.1	118
2147	Direct cytoplasm delivery of gold nanoparticles for real-time apoptosis detection. Nano Research, 2020, 13, 853-860.	5.8	6
2148	Different kinetics for the hepatic uptake of lipid nanoparticles between the apolipoprotein E/low density lipoprotein receptor and the N-acetyl-d-galactosamine/asialoglycoprotein receptor pathway. Journal of Controlled Release, 2020, 322, 217-226.	4.8	40
2149	Activating Drugs with Sound: Mechanisms Behind Sonodynamic Therapy and the Role of Nanomedicine. Bioconjugate Chemistry, 2020, 31, 967-989.	1.8	118
2150	pH-responsive high stability polymeric nanoparticles for targeted delivery of anticancer therapeutics. Communications Biology, 2020, 3, 95.	2.0	163
2151	Enhancing the targeting ability of nanoparticles <i>via</i> protected copolymers. Nanoscale, 2020, 12, 7804-7813.	2.8	12
2152	Erythrocytes modified (coated) gold nanoparticles for effective drug delivery., 2020,, 13-29.		4
2153	pH and Redox Dual-Sensitive Covalent Organic Framework Nanocarriers to Resolve the Dilemma Between Extracellular Drug Loading and Intracellular Drug Release. Frontiers in Chemistry, 2020, 8, 488.	1.8	18
2154	Liposome-Embedding Silicon Microparticle for Oxaliplatin Delivery in Tumor Chemotherapy. Pharmaceutics, 2020, 12, 559.	2.0	23
2155	Exosomes: Multiple-targeted multifunctional biological nanoparticles in the diagnosis, drug delivery, and imaging of cancer cells. Biomedicine and Pharmacotherapy, 2020, 129, 110442.	2.5	31
2156	Self-Reporting and Splitting Nanopomegranates Potentiate Deep Tissue Cancer Radiotherapy <i>via</i> Elevated Diffusion and Transcytosis. ACS Nano, 2020, 14, 8459-8472.	7.3	35
2157	Combined radiation strategies for novel and enhanced cancer treatment. International Journal of Radiation Biology, 2020, 96, 1087-1103.	1.0	22
2158	Charge Reversion Simultaneously Enhances Tumor Accumulation and Cell Uptake of Layered Double Hydroxide Nanohybrids for Effective Imaging and Therapy. Small, 2020, 16, e2002115.	5.2	49
2159	Cocktail polyprodrug nanoparticles concurrently release cisplatin and peroxynitrite-generating nitric oxide in cisplatin-resistant cancers. Chemical Engineering Journal, 2020, 402, 126125.	6.6	65

#	Article	IF	Citations
2160	Kinetic Evaluation of Anti-tumor Chlorambucil Release from O-stearoyl Mannose PLGA Nanoparticles. Current Nanomedicine, 2020, 10, 63-75.	0.2	4
2161	Recent Advances in Nanoencapsulation of Phytochemicals to Combat Obesity and Its Comorbidities. Journal of Agricultural and Food Chemistry, 2020, 68, 8119-8131.	2.4	30
2162	Multi-transformable nanocarrier with tumor extracellular acidity-activated charge reversal, size reduction and ligand reemergence for in vitro efficient doxorubicin loading and delivery. Materials Science and Engineering C, 2020, 116, 111250.	3.8	5
2163	Adenovirus-Mimetic Nanoparticles: Sequential Ligand–Receptor Interplay as a Universal Tool for EnhancedIn Vitro/In VivoCell Identification. ACS Applied Materials & Samp; Interfaces, 2020, 12, 34689-34702.	4.0	14
2164	Eyeball-Like Yolk–Shell Bimetallic Nanoparticles for Synergistic Photodynamic–Photothermal Therapy. ACS Applied Bio Materials, 2020, 3, 5922-5929.	2.3	18
2165	Targeted Molecular Iron Oxide Contrast Agents for Imaging Atherosclerotic Plaque. Nanotheranostics, 2020, 4, 184-194.	2.7	20
2166	Tandemâ€Massâ€Tag Based Proteomic Analysis Facilitates Analyzing Critical Factors of Porous Silicon Nanoparticles in Determining Their Biological Responses under Diseased Condition. Advanced Science, 2020, 7, 2001129.	5.6	11
2167	Dimerization-induced self-assembly of a redox-responsive prodrug into nanoparticles for improved therapeutic index. Acta Biomaterialia, 2020, 113, 464-477.	4.1	31
2168	Far-reaching advances in the role of carbon nanotubes in cancer therapy. Life Sciences, 2020, 257, 118059.	2.0	26
2169	Sequential deconstruction of composite drug transport in metastatic breast cancer. Science Advances, 2020, 6, eaba4498.	4.7	17
2170	Cancer therapy with iron oxide nanoparticles: Agents of thermal and immune therapies. Advanced Drug Delivery Reviews, 2020, 163-164, 65-83.	6.6	214
2171	Simultaneous Delivery of antimiR-21 and Doxorubicin by Graphene Oxide for Reducing Toxicity in Cancer Therapy. ACS Omega, 2020, 5, 14437-14443.	1.6	24
2172	Strategies for High Grafting Efficiency of Functional Ligands to Lipid Nanoemulsions for RGD-Mediated Targeting of Tumor Cells <i>In Vitro</i> . ACS Applied Bio Materials, 2020, 3, 5067-5079.	2.3	3
2173	Tuning surface functionalities of sub-10 nm-sized nanocarriers to target outer retina in designing drug delivery agents for intravitreal administration. Biomaterials, 2020, 255, 120188.	5.7	7
2174	Hybrid polymeric nanoparticles with high zoledronic acid payload and proton sponge-triggered rapid drug release for anticancer applications. Materials Science and Engineering C, 2020, 116, 111277.	3.8	18
2175	Nanotechnology for intracellular delivery and targeting. , 2020, , 683-696.		1
2176	Polysaccharide nanoparticles for oral controlled drug delivery: the role of drug–polymer and interpolymer interactions. Expert Opinion on Drug Delivery, 2020, 17, 1345-1359.	2.4	25
2177	Inorganic-based drug delivery systems for cancer therapy. , 2020, , 283-316.		6

#	Article	IF	CITATIONS
2178	Direct Chemical Imaging of Ligand-Functionalized Single Nanoparticles by Photoinduced Force Microscopy. Journal of Physical Chemistry Letters, 2020, 11, 5785-5791.	2.1	7
2179	Enhancement of a biotechnological platform for the purification and delivery of a human papillomavirus supercoiled plasmid DNA vaccine. New Biotechnology, 2020, 59, 1-9.	2.4	5
2180	Engineering blood exosomes for tumor-targeting efficient gene/chemo combination therapy. Theranostics, 2020, 10, 7889-7905.	4.6	100
2181	In Situ Formation of Polymeric Nanoassemblies Using an Efficient Reversible Click Reaction. Angewandte Chemie, 2020, 132, 15247-15252.	1.6	4
2182	Curcumin's Nanomedicine Formulations for Therapeutic Application in Neurological Diseases. Journal of Clinical Medicine, 2020, 9, 430.	1.0	116
2183	Extension of a multiphase tumour growth model to study nanoparticle delivery to solid tumours. PLoS ONE, 2020, 15, e0228443.	1.1	18
2184	Probing and Enhancing Ligand-Mediated Active Targeting of Tumors Using Sub-5 nm Ultrafine Iron Oxide Nanoparticles. Theranostics, 2020, 10, 2479-2494.	4.6	49
2185	Drug-Loaded Photosensitizer-Chitosan Nanoparticles for Combinatorial Chemo- and Photodynamic-Therapy of Cancer. Biomacromolecules, 2020, 21, 1489-1498.	2.6	45
2186	Active matter therapeutics. Nano Today, 2020, 31, 100836.	6.2	54
2187	Advances in self-assembled injectable hydrogels for cancer therapy. Biomaterials Science, 2020, 8, 2055-2073.	2.6	52
2188	Nanotechnology-Based Biopolymeric Oral Delivery Platforms for Advanced Cancer Treatment. Cancers, 2020, 12, 522.	1.7	55
2189	Brome mosaic virus-like particles as siRNA nanocarriers for biomedical purposes. Beilstein Journal of Nanotechnology, 2020, 11, 372-382.	1.5	34
2190	Epitope Molecularly Imprinted Polymer Nanoparticles for Chemo-/Photodynamic Synergistic Cancer Therapy Guided by Targeted Fluorescence Imaging. ACS Applied Materials & Samp; Interfaces, 2020, 12, 13360-13370.	4.0	63
2191	Phenylboronic acid-functionalized unimolecular micelles based on a star polyphosphoester random copolymer for tumor-targeted drug delivery. Polymer Chemistry, 2020, 11, 2252-2261.	1.9	11
2192	Chemotaxis-driven delivery of nano-pathogenoids for complete eradication of tumors post-phototherapy. Nature Communications, 2020, 11, 1126.	5.8	167
2193	Timeâ∈Resolved Quantification of Nanoparticle Uptake, Distribution, and Impact in Precisionâ∈Cut Liver Slices. Small, 2020, 16, e1906523.	5.2	19
2194	Increasing the Potential Interacting Area of Nanomedicine Enhances Its Homotypic Cancer Targeting Efficacy. ACS Nano, 2020, 14, 3259-3271.	7.3	74
2195	Enhancement of the biological autoluminescence by mito-liposomal gold nanoparticle nanocarriers. Journal of Photochemistry and Photobiology B: Biology, 2020, 204, 111812.	1.7	7

#	Article	IF	CITATIONS
2196	\hat{l}_{\pm} -Santalol functionalized chitosan nanoparticles as efficient inhibitors of polo-like kinase in triple negative breast cancer. RSC Advances, 2020, 10, 5487-5501.	1.7	17
2197	The role of critical micellization concentration in efficacy and toxicity of supramolecular polymers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4518-4526.	3.3	58
2198	Targeting of immunosuppressive myeloid cells from glioblastoma patients by modulation of size and surface charge of lipid nanocapsules. Journal of Nanobiotechnology, 2020, 18, 31.	4.2	30
2199	Programmable prodrug micelle with size-shrinkage and charge-reversal for chemotherapy-improved IDO immunotherapy. Biomaterials, 2020, 241, 119901.	5.7	56
2200	DNA Nanostructure as an Efficient Drug Delivery Platform for Immunotherapy. Frontiers in Pharmacology, 2019, 10, 1585.	1.6	54
2201	Engine-Trailer-Structured Nanotrucks for Efficient Nano-Bio Interactions and Bioimaging-Guided Drug Delivery. CheM, 2020, 6, 1097-1112.	5 . 8	55
2202	Meta-Analysis of Nanoparticle Delivery to Tumors Using a Physiologically Based Pharmacokinetic Modeling and Simulation Approach. ACS Nano, 2020, 14, 3075-3095.	7.3	157
2203	Surface modified cellulose nanomaterials: a source of non-spherical nanoparticles for drug delivery. Materials Horizons, 2020, 7, 1727-1758.	6.4	80
2204	Tumor extracellular pH-sensitive polymeric nanocarrier-grafted platinum(iv) prodrugs for improved intracellular delivery and cytosolic reductive-triggered release. Polymer Chemistry, 2020, 11, 2212-2221.	1.9	7
2205	Effects of Terminal Motif on the Self-Assembly of Dexamethasone Derivatives. Frontiers in Chemistry, 2020, 8, 9.	1.8	8
2206	Sonosynthesis and characterization of a fluorescent Trojan Horse based on magnetic nanoparticles. Journal of Nanostructure in Chemistry, 2020, 10, 105-113.	5.3	0
2207	Transforming Complexity to Simplicity: Protein-Like Nanotransformer for Improving Tumor Drug Delivery Programmatically. Nano Letters, 2020, 20, 1781-1790.	4.5	53
2208	A polymeric nanocarrier with a tumor acidity-activatable arginine-rich (R ₉) peptide for enhanced drug delivery. Biomaterials Science, 2020, 8, 2255-2263.	2.6	17
2209	Zwitterion and Oligo(ethylene glycol) Synergy Minimizes Nonspecific Binding of Compact Quantum Dots. ACS Nano, 2020, 14, 3227-3241.	7.3	20
2210	Development of Amphotericin B Micellar Formulations Based on Copolymers of Poly(ethylene glycol) and Poly(Îμ-caprolactone) Conjugated with Retinol. Pharmaceutics, 2020, 12, 196.	2.0	18
2211	Folic acid (FA)-conjugated mesoporous silica nanoparticles combined with MRP-1 siRNA improves the suppressive effects of myricetin on non-small cell lung cancer (NSCLC). Biomedicine and Pharmacotherapy, 2020, 125, 109561.	2.5	83
2212	Near-Infrared Laser-Triggered <i>In Situ</i> Dimorphic Transformation of BF ₂ -Azadipyrromethene Nanoaggregates for Enhanced Solid Tumor Penetration. ACS Nano, 2020, 14, 3640-3650.	7.3	72
2213	Peptide 18-4/chlorin e6-conjugated polyhedral oligomeric silsesquioxane nanoparticles for targeted photodynamic therapy of breast cancer. Colloids and Surfaces B: Biointerfaces, 2020, 189, 110829.	2.5	27

#	Article	IF	CITATIONS
2214	<p>Self-Assembly Nanoparticles for Overcoming Multidrug Resistance and Imaging-Guided Chemo-Photothermal Synergistic Cancer Therapy</p> . International Journal of Nanomedicine, 2020, Volume 15, 809-819.	3.3	15
2215	Recent Advancements of Magnetic Nanomaterials in Cancer Therapy. Pharmaceutics, 2020, 12, 147.	2.0	119
2216	Recent advances in nanotechnology-based drug delivery systems for the kidney. Journal of Controlled Release, 2020, 321, 442-462.	4.8	110
2217	Novel Î ² -1,3- <scp>d</scp> -glucan porous microcapsule enveloped folate-functionalized liposomes as a Trojan horse for facilitated oral tumor-targeted co-delivery of chemotherapeutic drugs and quantum dots. Journal of Materials Chemistry B, 2020, 8, 2307-2320.	2.9	21
2218	Dual-self-recognizing, stimulus-responsive and carrier-free methotrexate–mannose conjugate nanoparticles with highly synergistic chemotherapeutic effects. Journal of Materials Chemistry B, 2020, 8, 1922-1934.	2.9	24
2219	Collagenaseâ€Cleavable Peptide Amphiphile Micelles as a Novel Theranostic Strategy in Atherosclerosis. Advanced Therapeutics, 2020, 3, 1900196.	1.6	18
2220	Tumor microenvironment-activated self-recognizing nanodrug through directly tailored assembly of small-molecules for targeted synergistic chemotherapy. Journal of Controlled Release, 2020, 321, 222-235.	4.8	72
2221	Lung metastasis-targeted donut-shaped nanostructures shuttled by the margination effect for the PolyDox generation-mediated penetrative delivery into deep tumors. Materials Horizons, 2020, 7, 1051-1061.	6.4	15
2222	Decreased nonspecific adhesivity, receptor-targeted therapeutic nanoparticles for primary and metastatic breast cancer. Science Advances, 2020, 6, eaax3931.	4.7	50
2223	Cytosolic NQO1 Enzyme-Activated Near-Infrared Fluorescence Imaging and Photodynamic Therapy with Polymeric Vesicles. ACS Nano, 2020, 14, 1919-1935.	7.3	114
2224	Highly efficient and tumor-selective nanoparticles for dual-targeted immunogene therapy against cancer. Science Advances, 2020, 6, eaax5032.	4.7	160
2225	The enhanced permeability and retention effect based nanomedicine at the site of injury. Nano Research, 2020, 13, 564-569.	5.8	46
2226	Bioinspired Membrane-Disruptive Macromolecules as Drug-Free Therapeutics. ACS Applied Bio Materials, 2020, 3, 1267-1275.	2.3	13
2227	Polymeric Nanoparticles for the Treatment of Malignant Gliomas. Cancers, 2020, 12, 175.	1.7	63
2228	A Synthetic Carrier of Nucleic Acids Structured as a Neutral Phospholipid Envelope Tightly Assembled on Polyplex Surface. Advanced Healthcare Materials, 2020, 9, e1901705.	3.9	13
2229	Improving nanotherapy delivery and action through image-guided systems pharmacology. Theranostics, 2020, 10, 968-997.	4.6	41
2230	Structure-Dependent Biodistribution of Liposomal Spherical Nucleic Acids. ACS Nano, 2020, 14, 1682-1693.	7.3	43
2231	Formulation of simvastatin chitosan nanoparticles for controlled delivery in bone regeneration: Optimization using Box-Behnken design, stability and in vivo study. International Journal of Pharmaceutics, 2020, 577, 119038.	2.6	49

#	Article	IF	CITATIONS
2232	Understanding and Controlling Food Protein Structure and Function in Foods: Perspectives from Experiments and Computer Simulations. Annual Review of Food Science and Technology, 2020, 11, 365-387.	5.1	33
2233	Predictive Model for Delivery Efficiency: Erythrocyte Membrane-Camouflaged Magnetofluorescent Nanocarriers Study. Molecular Pharmaceutics, 2020, 17, 837-851.	2.3	18
2234	Nanocargos: A Burgeoning Quest in Cancer Management. Current Nanomedicine, 2020, 10, 149-163.	0.2	3
2235	Composite Nanogels Based on Zeolite-Poly(ethylene glycol) Diacrylate for Controlled Drug Delivery. Nanomaterials, 2020, 10, 195.	1.9	14
2236	Self-activated <i>in vivo</i> therapeutic cascade of erythrocyte membrane-cloaked iron-mineralized enzymes. Theranostics, 2020, 10, 2201-2214.	4.6	36
2237	Deep-Tissue Photothermal Therapy Using Laser Illumination at NIR-Ila Window. Nano-Micro Letters, 2020, 12, 38.	14.4	55
2238	Cell membrane-camouflaged nanoparticles as drug carriers for cancer therapy. Acta Biomaterialia, 2020, 105, 1-14.	4.1	124
2239	The versatile biomedical applications of bismuth-based nanoparticles and composites: therapeutic, diagnostic, biosensing, and regenerative properties. Chemical Society Reviews, 2020, 49, 1253-1321.	18.7	261
2240	Magnetic nanostructures for emerging biomedical applications. Applied Physics Reviews, 2020, 7, .	5.5	51
2241	Poly(ethylene glycol) shell-sheddable TAT-modified core cross-linked nano-micelles: TAT-enhanced cellular uptake and lysosomal pH-triggered doxorubicin release. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110772.	2.5	15
2242	An industrially viable technique for fabrication of docetaxel NLCs for oncotherapy. International Journal of Pharmaceutics, 2020, 577, 119082.	2.6	8
2243	Rhodium(I) Complex-Based Polymeric Nanomicelles in Water Exhibiting Coexistent Near-Infrared Phosphorescence Imaging and Anticancer Activity in Vivo. Journal of the American Chemical Society, 2020, 142, 2709-2714.	6.6	32
2244	Intratumoral delivery of CCL25 enhances immunotherapy against triple-negative breast cancer by recruiting CCR9 ⁺ T cells. Science Advances, 2020, 6, eaax4690.	4.7	51
2245	Polyethyleneimine-Functionalized Magnetic Fe ₃ O ₄ and Nanodiamond Particles as a Platform for Amoxicillin Delivery. Journal of Nanoscience and Nanotechnology, 2020, 20, 3957-3970.	0.9	16
2246	Radiolabelling of lipid-based nanocarriers with fluorine-18 for in vivo tracking by PET. Colloids and Surfaces B: Biointerfaces, 2020, 188, 110793.	2.5	15
2247	The impact of size and surface ligand of gold nanorods on liver cancer accumulation and photothermal therapy in the second near-infrared window. Journal of Colloid and Interface Science, 2020, 565, 186-196.	5.0	47
2248	An electrochemical sensor based on chitosan capped with gold nanoparticles combined with a voltammetric electronic tongue for quantitative aspirin detection in human physiological fluids and tablets. Materials Science and Engineering C, 2020, 110, 110665.	3.8	46
2249	Aryl Quinazolinone Derivatives as Novel Therapeutic Agents against Brain-Eating Amoebae. ACS Chemical Neuroscience, 2020, 11, 2438-2449.	1.7	15

#	Article	IF	CITATIONS
2250	Dual-Targeted Phototherapeutic Agents as Magic Bullets for Cancer. Bioconjugate Chemistry, 2020, 31, 474-482.	1.8	33
2251	Zebrafish Embryos Allow Prediction of Nanoparticle Circulation Times in Mice and Facilitate Quantification of Nanoparticle–Cell Interactions. Small, 2020, 16, 1906719.	5.2	46
2252	Size and charge dual-transformable mesoporous nanoassemblies for enhanced drug delivery and tumor penetration. Chemical Science, 2020, 11, 2819-2827.	3.7	66
2253	Modular protein–DNA hybrid nanostructures as a drug delivery platform. Nanoscale, 2020, 12, 4975-4981.	2.8	13
2254	Size-Transformable Hyaluronan Stacked Self-Assembling Peptide Nanoparticles for Improved Transcellular Tumor Penetration and Photo–Chemo Combination Therapy. ACS Nano, 2020, 14, 1958-1970.	7.3	101
2255	Nanoparticle-Based Immunoengineered Approaches for Combating HIV. Frontiers in Immunology, 2020, 11, 789.	2.2	20
2256	Seleniumâ€Doped Carbon Quantum Dots Act as Broadâ€Spectrum Antioxidants for Acute Kidney Injury Management. Advanced Science, 2020, 7, 2000420.	5.6	109
2257	Nanomedicine and drug delivery systems in cancer and regenerative medicine. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2020, 12, e1637.	3.3	63
2258	Stimuli-responsive flexible Lewis pair-modified nanoparticles for fluorescence imaging. Chemical Communications, 2020, 56, 5981-5984.	2.2	2
2259	Quality by design (QbD) approach in processing polymeric nanoparticles loading anticancer drugs by high pressure homogenizer. Heliyon, 2020, 6, e03846.	1.4	38
2260	Multimodal Enzyme Delivery and Therapy Enabled by Cell Membrane-Coated Metal–Organic Framework Nanoparticles. Nano Letters, 2020, 20, 4051-4058.	4.5	89
2261	Comprehensive approach of hybrid nanoplatforms in drug delivery and theranostics to combat cancer. Drug Discovery Today, 2020, 25, 1245-1252.	3.2	20
2262	Polymeric Nanocapsules as Nanotechnological Alternative for Drug Delivery System: Current Status, Challenges and Opportunities. Nanomaterials, 2020, 10, 847.	1.9	159
2263	Mesoporous Rodâ€Like Metalâ€Organic Framework with Optimal Tumor Targeting Properties for Enhanced Activatable Photodynamic Therapy. Advanced Therapeutics, 2020, 3, 2000011.	1.6	6
2264	Response of pH-Sensitive Doxorubicin Nanoparticles on Complex Tumor Microenvironments by Tailoring Multiple Physicochemical Properties. ACS Applied Materials & Samp; Interfaces, 2020, 12, 22673-22686.	4.0	15
2265	Multi-stimuli responsive polymeric prodrug micelles for combined chemotherapy and photodynamic therapy. Journal of Materials Chemistry B, 2020, 8, 5267-5279.	2.9	35
2266	Polysaccharide-Based Biomaterials for Protein Delivery. Medicine in Drug Discovery, 2020, 7, 100031.	2.3	22
2267	Zwitterionic Polysulfamide Drug Nanogels with Microwave Augmented Tumor Accumulation and Onâ€Demand Drug Release for Enhanced Cancer Therapy. Advanced Functional Materials, 2020, 30, 2001832.	7.8	39

#	Article	IF	CITATIONS
2268	Realizing Cancer Precision Medicine by Integrating Systems Biology and Nanomaterial Engineering. Advanced Materials, 2020, 32, e1906783.	11.1	21
2269	Microbeâ€Mediated Extracellular and Intracellular Mineralization: Environmental, Industrial, and Biotechnological Applications. Advanced Materials, 2020, 32, e1907833.	11.1	91
2270	Polymeric Nanoparticles with Neglectable Protein Corona. Small, 2020, 16, e1907574.	5. 2	95
2271	Dual-engineered, "Trojanized―macrophages bio-modally eradicate tumors through biologically and photothermally deconstructing cancer cells in an on-demand, NIR-commanded, self-explosive manner. Biomaterials, 2020, 250, 120021.	5.7	14
2272	Near infrared light-triggered metal ion and photodynamic therapy based on AgNPs/porphyrinic MOFs for tumors and pathogens elimination. Biomaterials, 2020, 248, 120029.	5 . 7	71
2273	Targeting Strategies for Tissue-Specific Drug Delivery. Cell, 2020, 181, 151-167.	13.5	474
2274	Microfluidic assembly of liposomes dual-loaded with catechin and curcumin for enhancing bioavailability. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 594, 124670.	2.3	35
2275	Recent advances in theranostic polymeric nanoparticles for cancer treatment: A review. International Journal of Pharmaceutics, 2020, 582, 119314.	2.6	106
2276	Renal clearable nanocarriers: Overcoming the physiological barriers for precise drug delivery and clearance. Journal of Controlled Release, 2020, 322, 64-80.	4.8	37
2277	Engineering hollow mesoporous silica nanoparticles to increase cytotoxicity. Materials Science and Engineering C, 2020, 112, 110935.	3.8	20
2278	Functionalized mesoporous silica nanoparticles for innovative boron-neutron capture therapy of resistant cancers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2020, 27, 102195.	1.7	30
2279	Nanoparticles from Ancient Ink Endowing a Green and Effective Strategy for Cancer Photothermal Therapy in the Second Near-Infrared Window. ACS Omega, 2020, 5, 6177-6186.	1.6	7
2280	Fixed-point "blasting―triggered by second near-infrared window light for augmented interventional photothermal therapy. Biomaterials Science, 2020, 8, 2955-2965.	2.6	5
2281	PPy nanoneedle based nanoplatform capable of overcoming biological barriers for synergistic chemo-photothermal therapy. RSC Advances, 2020, 10, 7771-7779.	1.7	10
2282	pH-Responsive hyperbranched polypeptides based on Schiff bases as drug carriers for reducing toxicity of chemotherapy. RSC Advances, 2020, 10, 13889-13899.	1.7	12
2283	Preparation and characterization of PLGA-PEG-PLGA polymeric nanoparticles for co-delivery of 5-Fluorouracil and Chrysin. Journal of Biomaterials Science, Polymer Edition, 2020, 31, 1107-1126.	1.9	57
2284	Multiple targeting strategies achieve novel protein drug delivery into proapoptosis lung cancer cells by precisely inhibiting survivin. Nanoscale, 2020, 12, 10623-10638.	2.8	6
2285	Meticulous Doxorubicin Release from pHâ€Responsive Nanoparticles Entrapped within an Injectable Thermoresponsive Depot. Chemistry - A European Journal, 2020, 26, 13352-13358.	1.7	6

#	Article	IF	Citations
2286	In Vivo Antidepressant Effect of Passiflora edulis f. flavicarpa into Cationic Nanoparticles: Improving Bioactivity and Safety. Pharmaceutics, 2020, 12, 383.	2.0	9
2287	Breast Tumor Targeting with PAMAM-PEG-5FU-99mTc As a New Therapeutic Nanocomplex: In In-vitro and In-vivo studies. Biomedical Microdevices, 2020, 22, 31.	1.4	34
2288	Bacteria as Nanoparticles Carrier for Enhancing Penetration in a Tumoral Matrix Model. Advanced Materials Interfaces, 2020, 7, 1901942.	1.9	37
2289	Dissipative Particle Dynamics Aided Design of Drug Delivery Systems: A Review. Molecular Pharmaceutics, 2020, 17, 1778-1799.	2.3	50
2290	Mannoside-Modified Branched Gold Nanoparticles for Photothermal Therapy to MDA-MB-231 Cells. Molecules, 2020, 25, 1853.	1.7	19
2291	Novel Azoles as Antiparasitic Remedies against Brain-Eating Amoebae. Antibiotics, 2020, 9, 188.	1.5	20
2292	Selective Control of Cell Activity with Hydrophilic Polymer overed Cationic Nanoparticles. Macromolecular Bioscience, 2020, 20, e2000049.	2.1	2
2293	A Single Molecule Drug Targeting Photosensitizer for Enhanced Breast Cancer Photothermal Therapy. Small, 2020, 16, e1907677.	5.2	62
2294	Chitosan mediated 5-Fluorouracil functionalized silica nanoparticle from rice husk for anticancer activity. International Journal of Biological Macromolecules, 2020, 156, 969-980.	3.6	25
2295	Collagen-Targeted Theranostic Nanosponges for Delivery of the Matrix Metalloproteinase 14 Inhibitor Naphthofluorescein. Chemistry of Materials, 2020, 32, 3707-3714.	3.2	11
2296	Recent Advances in Understanding the Protein Corona of Nanoparticles and in the Formulation of "Stealthy―Nanomaterials. Frontiers in Bioengineering and Biotechnology, 2020, 8, 166.	2.0	212
2297	Size and Shape Effects of Nearâ€Infrared Lightâ€Activatable Cu ₂ (OH)PO ₄ Nanostructures on Phototherapeutic Destruction of Drugâ€Resistant Hypoxia Tumors. Particle and Particle Systems Characterization, 2020, 37, 2000001.	1.2	5
2298	Messenger RNA-Based Vaccines Against Infectious Diseases. Current Topics in Microbiology and Immunology, 2020, , 111-145.	0.7	43
2300	Overview of stimuli-responsive mesoporous organosilica nanocarriers for drug delivery. Pharmacological Research, 2020, 155, 104742.	3.1	33
2301	Nanoparticle-based drug delivery systems for cancer therapy. Smart Materials in Medicine, 2020, 1, 10-19.	3.7	274
2302	Self-Assembled Nanophotosensitizing Systems with Zinc(II) Phthalocyanine-Peptide Conjugates as Building Blocks for Targeted Chemo-Photodynamic Therapy. ACS Applied Bio Materials, 2020, 3, 5463-5473.	2.3	20
2303	Therapeutic Potential of Targeted Nanoparticles and Perspective on Nanotherapies. ACS Medicinal Chemistry Letters, 2020, 11, 1069-1073.	1.3	49
2304	CRGDK-Functionalized PAMAM-Based Drug-Delivery System with High Permeability. ACS Omega, 2020, 5, 9316-9323.	1.6	3

#	Article	IF	CITATIONS
2305	A Microfluidic Platform to design Multimodal PEG - crosslinked Hyaluronic Acid Nanoparticles (PEG-cHANPs) for diagnostic applications. Scientific Reports, 2020, 10, 6028.	1.6	18
2306	A glutathione-depleted prodrug platform of MnO ₂ -coated hollow polydopamine nanospheres for effective cancer diagnosis and therapy. New Journal of Chemistry, 2020, 44, 7838-7848.	1.4	9
2307	Enzyme encapsulation by protein cages. RSC Advances, 2020, 10, 13293-13301.	1.7	29
2308	Art and drug delivery system design: dissonance or a harmony?. Expert Opinion on Drug Delivery, 2020, 17, 735-739.	2.4	1
2309	The Basic Properties of Gold Nanoparticles and their Applications in Tumor Diagnosis and Treatment. International Journal of Molecular Sciences, 2020, 21, 2480.	1.8	200
2310	Tumor Targeted Nanocarriers for Immunotherapy. Molecules, 2020, 25, 1508.	1.7	26
2311	Graphene and other 2D materials: a multidisciplinary analysis to uncover the hidden potential as cancer theranostics. Theranostics, 2020, 10, 5435-5488.	4.6	80
2312	A Microfluidic Coâ€Flow Route for Human Serum Albuminâ€Drug–Nanoparticle Assembly. Chemistry - A European Journal, 2020, 26, 5965-5969.	1.7	17
2313	Implantable fibrous â€~patch' enabling preclinical chemo-photothermal tumor therapy. Colloids and Surfaces B: Biointerfaces, 2020, 192, 111005.	2.5	13
2314	Supramolecular Loading of a Broad Spectrum of Molecular Guests In Hyperbranched Polytriazole Nanoparticles with Cores Containing Multiple Functional Groups. Biomacromolecules, 2020, 21, 2165-2175.	2.6	1
2315	Applications and challenges of low temperature plasma in pharmaceutical field. Journal of Pharmaceutical Analysis, 2021, 11, 28-36.	2.4	26
2316	Inorganic Porous Nanoparticles for Drug Delivery in Antitumoral Therapy. Biotechnology Journal, 2021, 16, e2000150.	1.8	43
2317	Biomedical Microâ€∤Nanomotors: From Overcoming Biological Barriers to In Vivo Imaging. Advanced Materials, 2021, 33, e2000512.	11.1	195
2318	Phthalyl starch nanoparticles as prebiotics enhanced nisin production in <i>Lactococcus lactis</i> through the induction of mild stress in probiotics. Journal of Applied Microbiology, 2021, 130, 439-449.	1.4	7
2319	PEI fluorination reduces toxicity and promotes liver-targeted siRNA delivery. Drug Delivery and Translational Research, 2021, 11, 255-260.	3.0	46
2320	Polypeptide nanoformulation-induced immunogenic cell death and remission of immunosuppression for enhanced chemoimmunotherapy. Science Bulletin, 2021, 66, 362-373.	4.3	71
2321	A highly selective iron oxide-based imaging nanoparticle for long-term monitoring of drug-induced tumor cell apoptosis. Biomaterials Science, 2021, 9, 471-481.	2.6	5
2322	Receptor-based targeting of engineered nanocarrier against solid tumors: Recent progress and challenges ahead. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129777.	1.1	28

#	Article	IF	CITATIONS
2323	The effect of different organic solvents in liposome properties produced in a periodic disturbance mixer: Transcutol®, a potential organic solvent replacement. Colloids and Surfaces B: Biointerfaces, 2021, 198, 111447.	2.5	14
2324	Recent advances and prospects in gemcitabine drug delivery systems. International Journal of Pharmaceutics, 2021, 592, 120043.	2.6	52
2325	Recent advances in engineered nanomaterials for acute kidney injury theranostics. Nano Research, 2021, 14, 920-933.	5.8	16
2326	Laserâ€induced optothermal response of gold nanoparticles: From a physical viewpoint to cancer treatment application. Journal of Biophotonics, 2021, 14, e202000161.	1.1	33
2327	Nanoplatforms for mRNA Therapeutics. Advanced Therapeutics, 2021, 4, .	1.6	62
2328	Self-Assembled Peptide Drug Delivery Systems. ACS Applied Bio Materials, 2021, 4, 24-46.	2.3	75
2329	Recent Progress in the Development of Multifunctional Nanoplatform for Precise Tumor Phototherapy. Advanced Healthcare Materials, 2021, 10, e2001207.	3.9	53
2330	Clinical Translation of Selfâ€Assembled Cancer Nanomedicines. Advanced Therapeutics, 2021, 4, .	1.6	34
2331	Amphiphilic AIE-active copolymers with optical activity by chemoenzymatic transesterification and RAFT polymerization: Synthesis, self-assembly and biological imaging. Dyes and Pigments, 2021, 184, 108829.	2.0	7
2332	Biomedical nanoparticle design: What we can learn from viruses. Journal of Controlled Release, 2021, 329, 552-569.	4.8	41
2333	Peptide-functionalized liposomes as therapeutic and diagnostic tools for cancer treatment. Journal of Controlled Release, 2021, 329, 624-644.	4.8	66
2334	Can Bottom-Up Synthetic Biology Generate Advanced Drug-Delivery Systems?. Trends in Biotechnology, 2021, 39, 445-459.	4.9	52
2335	Mechano-activated biomolecule release in regenerating load-bearing tissue microenvironments. Biomaterials, 2021, 265, 120255.	5.7	15
2336	Macrophage membrane functionalized biomimetic nanoparticles for targeted anti-atherosclerosis applications. Theranostics, 2021, 11, 164-180.	4.6	184
2337	On the magnetic aggregation of Fe3O4 nanoparticles. Computer Methods and Programs in Biomedicine, 2021, 198, 105778.	2.6	40
2338	Nanoscale drug delivery systems for controllable drug behaviors by multi-stage barrier penetration. Journal of Controlled Release, 2021, 331, 282-295.	4.8	60
2339	Tunable morphology and functionality of multicomponent self-assembly: A review. Materials and Design, 2021, 197, 109209.	3.3	47
2340	PTEN Inhibition Ameliorates Muscle Degeneration and Improves Muscle Function in a Mouse Model of Duchenne Muscular Dystrophy. Molecular Therapy, 2021, 29, 132-148.	3.7	12

#	Article	IF	Citations
2341	Hyaluronate siRNA nanoparticles with positive charge display rapid attachment to tumor endothelium and penetration into tumors. Journal of Controlled Release, 2021, 329, 919-933.	4.8	25
2342	Hypoxia-degradable zwitterionic phosphorylcholine drug nanogel for enhanced drug delivery to glioblastoma. Chemical Engineering Journal, 2021, 408, 127359.	6.6	28
2343	Radiolabeling strategies and pharmacokinetic studies for metal based nanotheranostics. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1671.	3.3	15
2344	Chondroitin sulfate-hybridized zein nanoparticles for tumor-targeted delivery of docetaxel. Carbohydrate Polymers, 2021, 253, 117187.	5.1	41
2345	Mesenchymal Stromal Cellâ€Mediated Treatment of Local and Systemic Inflammation through the Triggering of an Antiâ€Inflammatory Response. Advanced Functional Materials, 2021, 31, 2002997.	7.8	9
2346	Biosensors based on DNA logic gates. View, 2021, 2, 20200038.	2.7	20
2347	Cell relay-delivery improves targeting and therapeutic efficacy in tumors. Bioactive Materials, 2021, 6, 1528-1540.	8.6	19
2348	Cellular uptake of polymeric nanoparticles by bovine cumulus-oocyte complexes and their effect on in vitro developmental competence. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 158, 143-155.	2.0	8
2349	Effect of calcination on the photocatalytic activity and stability of TiO2 photocatalysts modified with APTES. Journal of Environmental Chemical Engineering, 2021, 9, 104794.	3.3	23
2350	Nanodelivery of immunogenic cell death-inducers for cancer immunotherapy. Drug Discovery Today, 2021, 26, 651-662.	3.2	23
2351	Anti-inflammatory drug nanocrystals: state of art and regulatory perspective. European Journal of Pharmaceutical Sciences, 2021, 158, 105654.	1.9	21
2352	Heavyâ€Atomâ€Modulated Supramolecular Assembly Increases Antitumor Potency against Malignant Breast Tumors via Tunable Cooperativity. Advanced Materials, 2021, 33, e2004225.	11.1	36
2353	A quantitative view on multivalent nanomedicine targeting. Advanced Drug Delivery Reviews, 2021, 169, 1-21.	6.6	52
2354	Porous silicon membranes and their applications: Recent advances. Sensors and Actuators A: Physical, 2021, 318, 112486.	2.0	29
2355	Engineering precision nanoparticles for drug delivery. Nature Reviews Drug Discovery, 2021, 20, 101-124.	21.5	3,154
2356	Deep tumorâ€penetrated nanosystem eliminates cancer stem cell for highly efficient liver cancer therapy. Chemical Engineering Journal, 2021, 421, 127874.	6.6	7
2357	Marginative Delivery-Mediated Extracellular Leakiness and T Cell Infiltration in Lung Metastasis by a Biomimetic Nanoraspberry. Nano Letters, 2021, 21, 1375-1383.	4.5	22
2359	Collagenase IV and clusterin-modified polycaprolactone-polyethylene glycol nanoparticles for penetrating dense tumor tissues. Theranostics, 2021, 11, 906-924.	4.6	22

#	Article	IF	Citations
2360	Ultrasound-enhanced precision tumor theranostics using cell membrane-coated and pH-responsive nanoclusters assembled from ultrasmall iron oxide nanoparticles. Nano Today, 2021, 36, 101022.	6.2	83
2361	Rational design and characterisation of a linear cell penetrating peptide for non-viral gene delivery. Journal of Controlled Release, 2021, 330, 1288-1299.	4.8	40
2362	Nanotools for Sepsis Diagnosis and Treatment. Advanced Healthcare Materials, 2021, 10, e2001378.	3.9	53
2363	Recent Advances in Renal Clearable Inorganic Nanoparticles for Cancer Diagnosis. Particle and Particle Systems Characterization, 2021, 38, 2000270.	1.2	8
2364	Trisulfide linked cholesteryl PEG conjugate attenuates intracellular ROS and collagen-1 production in a breast cancer co-culture model. Biomaterials Science, 2021, 9, 835-846.	2.6	11
2365	Mixed Zn–Ni spinel ferrites: Structure, magnetic hyperthermia and photocatalytic properties. Ceramics International, 2021, 47, 7052-7061.	2.3	42
2366	Tumor Targeted Delivery of an Anti ancer Therapeutic: An In Vitro and In Vivo Evaluation. Advanced Healthcare Materials, 2021, 10, e2001261.	3.9	8
2367	Bionanotechnology of cyanobacterial bioactive compounds. , 2021, , 115-142.		1
2368	Low-dimensional nanomaterials enabled autoimmune disease treatments: Recent advances, strategies, and future challenges. Coordination Chemistry Reviews, 2021, 432, 213697.	9.5	5
2369	Designer DNA nanostructures for therapeutics. CheM, 2021, 7, 1156-1179.	5.8	91
2371	Phenylboronic-acid-based nanocomplex as a feasible delivery platform of immune checkpoint inhibitor for potent cancer immunotherapy. Journal of Controlled Release, 2021, 330, 1168-1177.	4.8	17
2372	Reprogramming the rapid clearance of thrombolytics by nanoparticle encapsulation and anchoring to circulating red blood cells. Journal of Controlled Release, 2021, 329, 148-161.	4.8	9
2373	Strategies for Delivering Nanoparticles across Tumor Blood Vessels. Advanced Functional Materials, 2021, 31, 2007363.	7.8	46
2374	Design and engineering of tumor-targeted, dual-acting cytotoxic nanoparticles. Acta Biomaterialia, 2021, 119, 312-322.	4.1	14
2375	Targeting Approaches Using Polymeric Nanocarriers. , 2021, , 393-421.		1
2376	Polyphenol-cisplatin complexation forming core-shell nanoparticles with improved tumor accumulation and dual-responsive drug release for enhanced cancer chemotherapy. Journal of Controlled Release, 2021, 330, 992-1003.	4.8	24
2377	A red lightâ€activable Mn ^I (CO) ₃ â€functionalized gold nanocomposite as the anticancer prodrug with theranostic potential. Applied Organometallic Chemistry, 2021, 35, e6110.	1.7	10
2378	Reductionâ€responsive polymers for drug delivery in cancer therapyâ€"Is there anything new to discover?. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1678.	3.3	39

#	Article	IF	CITATIONS
2379	pH-sensitive multi-drug liposomes targeting folate receptor \hat{l}^2 for efficient treatment of non-small cell lung cancer. Journal of Controlled Release, 2021, 330, 1-14.	4.8	53
2380	Responsive and activable nanomedicines for remodeling the tumor microenvironment. Nature Protocols, 2021, 16, 405-430.	5.5	31
2381	Evaluation of the penetration process of fluorescent collagenase nanocapsules in a 3D collagen gel. Acta Biomaterialia, 2021, 121, 263-274.	4.1	6
2382	α-Amino acid N-carboxyanhydride (NCA)-derived synthetic polypeptides for nucleic acids delivery. Advanced Drug Delivery Reviews, 2021, 171, 139-163.	6.6	56
2383	Growth regulation of luminescent gold nanoparticles directed from amphiphilic block copolymers: highly-controlled nanoassemblies toward tailored in-vivo transport. Science China Chemistry, 2021, 64, 157-164.	4.2	4
2384	β-Cyclodextrin-folate functionalized poly(lactic-co-glycolide)–superparamagnetic ytterbium ferrite hybrid nanocarrier for targeted delivery of camptothecin. Materials Science and Engineering C, 2021, 122, 111796.	3.8	16
2385	Aggregationâ€Enhanced Photoluminescence and Photoacoustics of Atomically Precise Gold Nanoclusters in Lipid Nanodiscs (NANO ²). Advanced Functional Materials, 2021, 31, 2009750.	7.8	22
2387	Patientâ€Derived Prostate Cancer Explants: A Clinically Relevant Model to Assess siRNAâ€Based Nanomedicines. Advanced Healthcare Materials, 2021, 10, 2001594.	3.9	9
2388	Ultrasmall Fe@Fe3O4 nanoparticles as T1–T2 dual-mode MRI contrast agents for targeted tumor imaging. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 32, 102335.	1.7	29
2389	Microemulsion-Assisted Templating of Metal-Stabilized Poly(ethylene glycol) Nanoparticles. Biomacromolecules, 2021, 22, 612-619.	2.6	6
2390	Nitric Oxideâ€Driven Nanomotor for Deep Tissue Penetration and Multidrug Resistance Reversal in Cancer Therapy. Advanced Science, 2021, 8, 2002525.	5.6	93
2391	Responsive hyaluronic acid-gold cluster hybrid nanogel theranostic systems. Biomaterials Science, 2021, 9, 1363-1373.	2.6	19
2392	Multifunctional Fe3O4@SiO2-CDs magnetic fluorescent nanoparticles as effective carrier of gambogic acid for inhibiting VX2 tumor cells. Journal of Molecular Liquids, 2021, 327, 114783.	2.3	17
2393	Protein-based nanomaterials and nanosystems for biomedical applications: A review. Materials Today, 2021, 43, 166-184.	8.3	57
2394	DNA scaffolds enable efficient and tunable functionalization of biomaterials for immune cell modulation. Nature Nanotechnology, 2021, 16, 214-223.	15.6	60
2395	Harnessing adaptive novelty for automated generation of cancer treatments. BioSystems, 2021, 199, 104290.	0.9	8
2396	Microneedle Array Patches Integrated with Nanoparticles for Therapy and Diagnosis. Small Structures, 2021, 2, 2000097.	6.9	37
2397	Structure transformable nanoparticles for photoacoustic imaging-guided photothermal ablation of tumors via enzyme-induced multistage delivery. Chemical Engineering Journal, 2021, 421, 127747.	6.6	8

#	Article	IF	CITATIONS
2398	Nanomaterialâ€mediated platinum drugâ€based combinatorial cancer therapy. View, 2021, 2, 20200030.	2.7	28
2399	Smart materials for drug delivery and cancer therapy. View, 2021, 2, 20200042.	2.7	99
2400	CaCO3-Assisted Preparation of pH-Responsive Immune-Modulating Nanoparticles for Augmented Chemo-Immunotherapy. Nano-Micro Letters, 2021, 13, 29.	14.4	46
2401	Protein corona meets freeze-drying: overcoming the challenges of colloidal stability, toxicity, and opsonin adsorption. Nanoscale, 2021, 13, 753-762.	2.8	9
2402	Biofunctionalized Liposomes to Monitor Rheumatoid Arthritis Regression Stimulated by Interleukinâ€⊋3 Neutralization. Advanced Healthcare Materials, 2021, 10, e2001570.	3.9	21
2403	Controlled drug delivery systems in eradicating bacterial biofilm-associated infections. Journal of Controlled Release, 2021, 329, 1102-1116.	4.8	49
2404	Macropinocytosis as a cell entry route for peptide-functionalized and bystander nanoparticles. Journal of Controlled Release, 2021, 329, 1222-1230.	4.8	27
2405	Gut microbiota targeted nanomedicine for cancer therapy: Challenges and future considerations. Trends in Food Science and Technology, 2021, 107, 240-251.	7.8	20
2406	Targeting Glioblastoma: Advances in Drug Delivery and Novel Therapeutic Approaches. Advanced Therapeutics, 2021, 4, 2000124.	1.6	35
2407	Magnetic nanoparticles: A new diagnostic and treatment platform for rheumatoid arthritis. Journal of Leukocyte Biology, 2021, 109, 415-424.	1.5	7
2408	Palladium nanoplates scotch breast cancer lung metastasis by constraining epithelial-mesenchymal transition. National Science Review, 2021, 8, .	4.6	18
2409	ImmunoPET Imaging of Pancreatic Tumors with 89Zr-Labeled Gold Nanoparticle–Antibody Conjugates. Molecular Imaging and Biology, 2021, 23, 84-94.	1.3	15
2410	ATP-responsive hollow nanocapsules for DOX/GOx delivery to enable tumor inhibition with suppressed P-glycoprotein. Nano Research, 2021, 14, 222-231.	5.8	15
2411	A Nanoparticle Platform for Accelerated In Vivo Oral Delivery Screening of Nucleic Acids. Advanced Therapeutics, 2021, 4, .	1.6	13
2412	Rationales Design von Nanogelen zur Überwindung biologischer Barrieren auf verschiedenen Verabreichungswegen. Angewandte Chemie, 2021, 133, 14884-14903.	1.6	6
2413	Rational Design of Nanogels for Overcoming the Biological Barriers in Various Administration Routes. Angewandte Chemie - International Edition, 2021, 60, 14760-14778.	7.2	44
2414	Implications of nanotechnology for the treatment of cancer: Recent advances. Seminars in Cancer Biology, 2021, 69, 190-199.	4.3	50
2415	Liposomes with pH responsive †on and off†switches for targeted and intracellular delivery of antibiotics. Journal of Liposome Research, 2021, 31, 45-63.	1.5	20

#	Article	IF	CITATIONS
2416	Nanoparticle-Mediated Adsorption of Pollutants: A Way Forward to Mitigation of Environmental Pollution. Microorganisms for Sustainability, 2021, , 317-348.	0.4	1
2417	In Vivo Fluorescence Imaging of Passive Inflammation Site Accumulation of Liposomes via Intravenous Administration Focused on Their Surface Charge and PEG Modification. Pharmaceutics, 2021, 13, 104.	2.0	13
2418	Skin Cancer Treatment with Emphasis on Nanotechnology. , 2021, , 193-209.		0
2419	Obstructions in Nanoparticles Conveyance, Nano-Drug Retention, and EPR Effect in Cancer Therapies. Advances in Medical Diagnosis, Treatment, and Care, 2021, , 669-704.	0.1	1
2420	Nanomedicine-based doxorubicin delivery for skin cancer with theranostic potential., 2021,, 207-215.		0
2421	Bioadhesive metal–phenolic nanoparticles for enhanced NIR imaging-guided locoregional photothermal/antiangiogenic therapy. Journal of Materials Chemistry B, 2021, 9, 4710-4717.	2.9	11
2422	Development of Novel Versatile Theranostic Platforms Based on Titanate Nanotubes: Towards Safe Nanocarriers for Biomedical Applications., 2021,, 151-178.		1
2423	Preparation and Characterization of pH Sensitive Drug Liposomes. Biomaterial Engineering, 2021, , 385-408.	0.1	0
2424	Theranostic Design of Angiopep-2 Conjugated Hyaluronic Acid Nanoparticles (Thera-ANG-cHANPs) for Dual Targeting and Boosted Imaging of Glioma Cells. Cancers, 2021, 13, 503.	1.7	29
2425	Nanoparticles beyond the blood-brain barrier for glioblastoma. , 2021, , 707-747.		0
2426	Cargo transport through the nuclear pore complex at a glance. Journal of Cell Science, 2021, 134, .	1.2	53
2427	A meta-analysis framework to assess the role of units in describing nanoparticle toxicity. NanoImpact, 2021, 21, 100277.	2.4	6
2428	Synthesis of mussel-inspired polydopamine-gallium nanoparticles for biomedical applications. Nanomedicine, 2021, 16, 5-17.	1.7	1
2429	Ultra-high photoactive thiadiazolo $[3,4-(i)g/(i)]$ quinoxaline nanoparticles with active-targeting capability for deep photodynamic therapy. Journal of Materials Chemistry B, 2021, 9, 8330-8340.	2.9	3
2430	Imaging of nanoparticle uptake and kinetics of intracellular trafficking in individual cells. Nanoscale, 2021, 13, 10436-10446.	2.8	28
2431	Biodegradable polyelectrolyte/magnetite capsules for MR imaging and magnetic targeting of tumors. Nanotheranostics, 2021, 5, 362-377.	2.7	17
2432	Unlocking the Power of Exosomes for Crossing Biological Barriers in Drug Delivery. Pharmaceutics, 2021, 13, 122.	2.0	112
2433	Role of inflammatory microenvironment: potential implications for improved breast cancer nano-targeted therapy. Cellular and Molecular Life Sciences, 2021, 78, 2105-2129.	2.4	13

#	Article	IF	CITATIONS
2434	Designing and Immunomodulating Multiresponsive Nanomaterial for Cancer Theranostics. Frontiers in Chemistry, 2020, 8, 631351.	1.8	8
2435	Optimisation of Iron Oxide Nanoparticles for Agglomeration and Blockage in Aqueous Flow Systems. Australian Journal of Chemistry, 2022, 75, 102-110.	0.5	1
2436	Curcumin loaded drug delivery systems in Parkinson's disease. , 2021, , 105-119.		0
2437	Tandem molecular self-assembly for selective lung cancer therapy with an increase in efficiency by two orders of magnitude. Nanoscale, 2021, 13, 10891-10897.	2.8	7
2438	Phenylboronic acid-based core–shell drug delivery platform clasping 1,3-dicarbonyl compounds by a coordinate interaction. Biomaterials Science, 2021, 9, 6851-6864.	2.6	7
2439	Nanoparticles Targeting Receptors on Breast Cancer for Efficient Delivery of Chemotherapeutics. Biomedicines, 2021, 9, 114.	1.4	44
2440	Designing Nanoparticle-based Drug Delivery Systems for Precision Medicine. International Journal of Medical Sciences, 2021, 18, 2943-2949.	1.1	24
2441	Metal–organic framework combined with CaO ₂ nanoparticles for enhanced and targeted photodynamic therapy. Nanoscale Advances, 2021, 3, 6669-6677.	2.2	19
2442	Suppressing Sart1 to modulate macrophage polarization by siRNA-loaded liposomes: a promising therapeutic strategy for pulmonary fibrosis. Theranostics, 2021, 11, 1192-1206.	4.6	53
2443	Requirements and properties of biomaterials for biomedical applications. , 2021, , 195-226.		0
2444	Fluoro-photoacoustic polymeric renal reporter for real-time dual imaging of acute kidney injury. Methods in Enzymology, 2021, 657, 271-300.	0.4	1
2445	Nanomaterials aimed toward the cardiac mitochondria: from therapeutics to nanosafety. , 2021, , 311-347.		0
2446	Strengths and Challenges of Secretory Ribonucleases as AntiTumor Agents. Pharmaceutics, 2021, 13, 82.	2.0	7
2447	Synthesis of novel polymeric nanoparticles (methoxy-polyethylene glycol-chitosan/hyaluronic acid) containing 7-ethyl-10-hydroxycamptothecin for colon cancer therapy: <i>inÂvitro, ex vivo</i> and <i>inÂvivo</i> investigation. Artificial Cells, Nanomedicine and Biotechnology, 2021, 49, 367-380.	1.9	21
2448	Surface peptide functionalization of zeolitic imidazolate framework-8 for autonomous homing and enhanced delivery of chemotherapeutic agent to lung tumor cells. Dalton Transactions, 2021, 50, 2375-2386.	1.6	6
2449	Nanotechnology for Diagnosis, Imaging, and Treatment of Head and Neck Cancer., 2021, , 63-120.		1
2450	Cationic Dendrimers for siRNA Delivery: An Overview of Methods for In Vitro/In Vivo Characterization. Methods in Molecular Biology, 2021, 2282, 209-244.	0.4	5
2451	From barriers to bridges; glycans in nonparenteral nanomedicines. , 2021, , 467-487.		0

#	Article	IF	CITATIONS
2452	Amphiphilic copolymers modified with oleic acid and cholesterol by combining ring opening polymerization and click chemistry with improved amphotericin B loading capacity. Journal of Polymer Research, 2021, 28, 1.	1.2	1
2453	Engineering mesoporous silica nanoparticles towards oral delivery of vancomycin. Journal of Materials Chemistry B, 2021, 9, 7145-7166.	2.9	23
2454	Isolation of extracellular vesicles from microalgae: towards the production of sustainable and natural nanocarriers of bioactive compounds. Biomaterials Science, 2021, 9, 2917-2930.	2.6	34
2455	EPR effect and its implications in passive targeting of nanocarriers to tumors. , 2021, , 31-40.		1
2456	Surface Engineering and Multimodal Imaging of Multistage Delivery Vectors in Metastatic Breast Cancer. Bio-protocol, 2021, 11, e4030.	0.2	0
2457	Organic nanocarriers for targeted delivery of anticancer agents. , 2021, , 467-497.		1
2458	Nanogel Synthesis by Irradiation of Aqueous Polymer Solutions. , 2021, , 167-202.		0
2459	Photodynamic and Cold Atmospheric Plasma Combination Therapy Using Polymeric Nanoparticles for the Synergistic Treatment of Cervical Cancer. International Journal of Molecular Sciences, 2021, 22, 1172.	1.8	12
2460	â€~Golden' exosomes as delivery vehicles to target tumors and overcome intratumoral barriers: <i>in vivo</i> tracking in a model for head and neck cancer. Biomaterials Science, 2021, 9, 2103-2114.	2.6	29
2461	Recent advances in peptide-based nanomaterials for targeting hypoxia. Nanoscale Advances, 2021, 3, 6027-6039.	2.2	6
2462	Mesoporous silica coated CeO2 nanozymes with combined lipid-lowering and antioxidant activity induce long-term improvement of the metabolic profile in obese Zucker rats. Nanoscale, 2021, 13, 8452-8466.	2.8	12
2463	Current Strategies in Peptide Conjugated Nanoparticles. Advances in Medical Technologies and Clinical Practice Book Series, 2021, , 206-218.	0.3	0
2464	Coordination-based self-assembled capsules (SACs) for protein, CRISPR–Cas9, DNA and RNA delivery. Chemical Science, 2021, 12, 2329-2344.	3.7	26
2465	Nanomedicine: Promises and challenges. , 2021, , 109-123.		2
2466	Strategies and applications of covalent organic frameworks as promising nanoplatforms in cancer therapy. Journal of Materials Chemistry B, 2021, 9, 3450-3483.	2.9	36
2467	Multifunctional nanoplatforms co-delivering combinatorial dual-drug for eliminating cancer multidrug resistance. Theranostics, 2021, 11, 6334-6354.	4.6	25
2468	Outâ€ofâ€theâ€Box Nanocapsules Packed with Onâ€Demand Hydrophobic Anticancer Drugs for Lung Targeting, Esterase Triggering, and Synergy Therapy. Advanced Healthcare Materials, 2021, 10, e2001803.	3.9	9
2469	Polymeric nanoparticles for potential drug delivery applications in cancer., 2021,, 65-88.		2

#	Article	IF	CITATIONS
2470	Drug delivery systems in cancer therapy. , 2021, , 423-454.		2
2471	Nanomedicine of tyrosine kinase inhibitors. Theranostics, 2021, 11, 1546-1567.	4.6	19
2472	Fate of Biodegradable Engineered Nanoparticles Used in Veterinary Medicine as Delivery Systems from a One Health Perspective. Molecules, 2021, 26, 523.	1.7	14
2473	Delivery of Antiâ€microRNAâ€₹12 to Inflamed Endothelial Cells Using Poly(<i>\(\bar{i}^2<\ir)\) â€amino ester) Nanoparticles Conjugated with VCAMâ€1 Targeting Peptide. Advanced Healthcare Materials, 2021, 10, e2001894.</i>	3.9	38
2474	Catalogue of self-targeting nano-medical inventions to accelerate clinical trials. Biomaterials Science, 2021, 9, 3898-3910.	2.6	4
2475	Comprehensively enhanced delivery cascade by transformable beaded nanofibrils for pancreatic cancer therapy. Nanoscale, 2021, 13, 13328-13343.	2.8	7
2476	Gold nanoparticles conjugated with anti-CD133 monoclonal antibody and 5-fluorouracil chemotherapeutic agent as nanocarriers for cancer cell targeting. RSC Advances, 2021, 11, 16131-16141.	1.7	17
2477	Fast and Accurate Nanoparticle Characterization Using Deep-Learning-Enhanced Off-Axis Holography. ACS Nano, 2021, 15, 2240-2250.	7.3	28
2478	Targeted liposomal drug delivery: a nanoscience and biophysical perspective. Nanoscale Horizons, 2021, 6, 78-94.	4.1	124
2479	NaYbF ₄ @NaYF ₄ Nanoparticles: Controlled Shell Growth and Shape-Dependent Cellular Uptake. ACS Applied Materials & Samp; Interfaces, 2021, 13, 2327-2335.	4.0	22
2480	Biological behavior of nanoparticles with Zr-89 for cancer targeting based on their distinct surface composition. Journal of Materials Chemistry B, 2021, 9, 8237-8245.	2.9	11
2481	Role of macrophage in nanomedicine-based disease treatment. Drug Delivery, 2021, 28, 752-766.	2.5	5
2482	Dendrimers and their applications in biomedicine: Dendrimer-drug interaction, a new therapeutic alternative., 2021,, 163-182.		1
2483	In Vitro Methodologies for Toxicological Assessment of Drug Delivery Nanocarriers. Environmental Chemistry for A Sustainable World, 2021, , 203-227.	0.3	0
2484	Passive Targeting and the Enhanced Permeability and Retention (EPR) Effect., 2021, , 1-13.		4
2485	Applications of alginate-based bionanocomposites in drug delivery. , 2021, , 399-416.		3
2486	Engineered Multifunctional Nano―and Biological Materials for Cancer Immunotherapy. Advanced Healthcare Materials, 2021, 10, e2001680.	3.9	17
2487	Effects of Surface Protein Adsorption on the Distribution and Retention of Intratumorally Administered Gold Nanoparticles. Pharmaceutics, 2021, 13, 216.	2.0	10

#	Article	IF	CITATIONS
2488	Tumor grafted – chick chorioallantoic membrane as an alternative model for biological cancer research and conventional/nanomaterial-based theranostics evaluation. Expert Opinion on Drug Metabolism and Toxicology, 2021, 17, 947-968.	1.5	28
2489	Biohybrid robotics: From the nanoscale to the macroscale. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1703.	3.3	21
2490	Quaternized Starch-Based Composite Nanoparticles for siRNA Delivery to Tumors. ACS Applied Nano Materials, 2021, 4, 2218-2229.	2.4	6
2492	Novel method for screening functional antibody with comprehensive analysis of its immunoliposome. Scientific Reports, 2021, 11, 4625.	1.6	4
2493	Implantable multifunctional black phosphorus nanoformulation-deposited biodegradable scaffold for combinational photothermal/ chemotherapy and wound healing. Biomaterials, 2021, 269, 120623.	5.7	53
2494	Polycaprolactone Nanoparticles as Promising Candidates for Nanocarriers in Novel Nanomedicines. Pharmaceutics, 2021, 13, 191.	2.0	34
2495	Stimulation and Suppression of the Innate Immune System through Nanotechnology. ACS Applied Nano Materials, 2021, 4, 2303-2316.	2.4	5
2496	Molecular cannibalism: Sacrificial materials as precursors for hollow and multidomain single crystals. Nature Communications, 2021, 12, 957.	5. 8	15
2497	Harnessing Endogenous Stimuli for Responsive Materials in Theranostics. ACS Nano, 2021, 15, 2068-2098.	7.3	117
2498	Engineering Exosome-Like Nanovesicles Derived from Asparagus cochinchinensis Can Inhibit the Proliferation of Hepatocellular Carcinoma Cells with Better Safety Profile. International Journal of Nanomedicine, 2021, Volume 16, 1575-1586.	3.3	75
2499	Biomimetic Nanoparticles for the Treatment of Hematologic Malignancies. Advanced NanoBiomed Research, 2021, 1, 2000047.	1.7	4
2500	Photocrosslinked Bioreducible Polymeric Nanoparticles for Enhanced Systemic siRNA Delivery as Cancer Therapy. Advanced Functional Materials, 2021, 31, 2009768.	7.8	29
2501	PGMD/curcumin nanoparticles for the treatment of breast cancer. Scientific Reports, 2021, 11, 3824.	1.6	54
2502	Experimental and theoretical explorations of nanocarriers' multistep delivery performance for rational design and anticancer prediction. Science Advances, 2021, 7, .	4.7	30
2503	Tumorâ€Activated Photosensitization and Size Transformation of Nanodrugs. Advanced Functional Materials, 2021, 31, 2010241.	7.8	44
2504	Application of Radiosensitizers in Cancer Radiotherapy. International Journal of Nanomedicine, 2021, Volume 16, 1083-1102.	3.3	182
2505	Nexus between in silico and in vivo models to enhance clinical translation of nanomedicine. Nano Today, 2021, 36, 101057.	6.2	58
2506	Engineering of Neutrophil Membrane Camouflaging Nanoparticles Realizes Targeted Drug Delivery for Amplified Antitumor Therapy. International Journal of Nanomedicine, 2021, Volume 16, 1175-1187.	3.3	26

#	Article	IF	CITATIONS
2507	Recent Trends in Noble Metal Nanoparticles for Colorimetric Chemical Sensing and Micro-Electronic Packaging Applications. Metals, 2021, 11, 329.	1.0	20
2508	CD44 Targeted Nanomaterials for Treatment of Triple-Negative Breast Cancer. Cancers, 2021, 13, 898.	1.7	16
2509	Designing Mesoporous Silica Nanoparticles to Overcome Biological Barriers by Incorporating Targeting and Endosomal Escape. ACS Applied Materials & Samp; Interfaces, 2021, 13, 9656-9666.	4.0	39
2510	Rethinking CRITID Procedure of Brain Targeting Drug Delivery: Circulation, Blood Brain Barrier Recognition, Intracellular Transport, Diseased Cell Targeting, Internalization, and Drug Release. Advanced Science, 2021, 8, 2004025.	5.6	96
2511	<i>In Vivo</i> T Cell-Targeting Nanoparticle Drug Delivery Systems: Considerations for Rational Design. ACS Nano, 2021, 15, 3736-3753.	7.3	50
2512	A Spontaneous Membrane-Adsorption Approach to Enhancing Second Near-Infrared Deep-Imaging-Guided Intracranial Tumor Therapy. ACS Nano, 2021, 15, 4518-4533.	7.3	9
2513	Responsive Degradable Theranostic Agents Enable Controlled Selenium Delivery to Enhance Photothermal Radiotherapy and Reduce Side Effects. Advanced Healthcare Materials, 2021, 10, e2002024.	3.9	41
2514	\hat{l}^2 -Caryophyllene nanoparticles design and development: Controlled drug delivery of cannabinoid CB2 agonist as a strategic tool towards neurodegeneration. Materials Science and Engineering C, 2021, 121, 111824.	3.8	2
2515	Pre-clinical evaluation of an innovative oral nano-formulation of baicalein for modulation of radiation responses. International Journal of Pharmaceutics, 2021, 595, 120181.	2.6	20
2516	Functional titanium dioxide nanoparticle conjugated with phthalocyanine and folic acid as a promising photosensitizer for targeted photodynamic therapy in vitro and in vivo. Journal of Photochemistry and Photobiology B: Biology, 2021, 215, 112122.	1.7	30
2517	Recent Advancement and Technical Challenges in Developing Small Extracellular Vesicles for Cancer Drug Delivery. Pharmaceutical Research, 2021, 38, 179-197.	1.7	23
2518	Nanomedicine for Gene Delivery and Drug Repurposing in the Treatment of Muscular Dystrophies. Pharmaceutics, 2021, 13, 278.	2.0	17
2519	Enzyme-Triggered Disassembly of Polymeric Micelles by Controlled Depolymerization via Cascade Cyclization for Anticancer Drug Delivery. ACS Applied Materials & Samp; Interfaces, 2021, 13, 8060-8070.	4.0	39
2520	Organic dye assemblies with aggregationâ€induced photophysical changes and their bioâ€applications. Aggregate, 2021, 2, e39.	5. 2	79
2521	Wielding the Doubleâ€Edged Sword of Inflammation: Building Biomaterialâ€Based Strategies for Immunomodulation in Ischemic Stroke Treatment. Advanced Functional Materials, 2021, 31, 2010674.	7.8	10
2522	Overcoming biological barriers to improve solid tumor immunotherapy. Drug Delivery and Translational Research, 2021, 11, 2276-2301.	3.0	11
2523	A Scoping Insight on Potential Prophylactics, Vaccines and Therapeutic Weaponry for the Ongoing Novel Coronavirus (COVID-19) Pandemic- A Comprehensive Review. Frontiers in Pharmacology, 2020, 11, 590154.	1.6	8
2524	Targeted drug delivery strategies for precision medicines. Nature Reviews Materials, 2021, 6, 351-370.	23.3	388

#	Article	IF	CITATIONS
2525	Inorganic Nanoparticles Applied for Active Targeted Photodynamic Therapy of Breast Cancer. Pharmaceutics, 2021, 13, 296.	2.0	62
2526	Advances in engineering of low molecular weight hydrogels for chemotherapeutic applications. Biomedical Materials (Bristol), 2021, 16, 024102.	1.7	11
2527	Advances in Multiple Stimuli-Responsive Drug-Delivery Systems for Cancer Therapy. International Journal of Nanomedicine, 2021, Volume 16, 1525-1551.	3.3	53
2528	Immunologically Inert Nanostructures as Selective Therapeutic Tools in Inflammatory Diseases. Cells, 2021, 10, 707.	1.8	4
2529	Exploring the transformability of polymer-lipid hybrid nanoparticles and nanomaterial-biology interplay to facilitate tumor penetration, cellular uptake and intracellular targeting of anticancer drugs. Expert Opinion on Drug Delivery, 2021, 18, 1-14.	2.4	10
2530	NIR photosensitizers activated by \hat{l}^3 -glutamyl transpeptidase for precise tumor fluorescence imaging and photodynamic therapy. Science China Chemistry, 2021, 64, 808-816.	4.2	43
2531	Photosensitizerâ€Free Phototherapy with Peptide Micelle Nanoadjuvants for Cancer Vaccine against Metastasis of Melanoma. Advanced Therapeutics, 2021, 4, 2000288.	1.6	4
2532	Harnessing and Enhancing Macrophage Phagocytosis for Cancer Therapy. Frontiers in Immunology, 2021, 12, 635173.	2.2	41
2533	Exosome-Based Delivery of Natural Products in Cancer Therapy. Frontiers in Cell and Developmental Biology, 2021, 9, 650426.	1.8	50
2534	Biodegradable nanoparticles from prosopisylated cellulose as a platform for enhanced oral bioavailability of poorly water-soluble drugs. Carbohydrate Polymers, 2021, 256, 117492.	5.1	8
2535	Smart nano-micro platforms for ophthalmological applications: The state-of-the-art and future perspectives. Biomaterials, 2021, 270, 120682.	5.7	32
2536	Enhancing Inflammation Targeting Using Tunable Leukocyte-Based Biomimetic Nanoparticles. ACS Nano, 2021, 15, 6326-6339.	7.3	49
2537	Microbiota and cancer: In vitro and in vivo models to evaluate nanomedicines. Advanced Drug Delivery Reviews, 2021, 170, 44-70.	6.6	10
2538	Hyaluronic acid engrafted metformin loaded graphene oxide nanoparticle as CD44 targeted anti-cancer therapy for triple negative breast cancer. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129841.	1.1	24
2539	GE11 Peptide Conjugated Liposomes for EGFR-Targeted and Chemophotothermal Combined Anticancer Therapy. Bioinorganic Chemistry and Applications, 2021, 2021, 1-15.	1.8	23
2540	In depth characterisation of the biomolecular coronas of polymer coated inorganic nanoparticles with differential centrifugal sedimentation. Scientific Reports, 2021, 11, 6443.	1.6	14
2541	Development of nanoparticle-delivery systems for antiviral agents: A review. Journal of Controlled Release, 2021, 331, 30-44.	4.8	63
2542	Recent Advancements in Nanomedicine for †Cold' Tumor Immunotherapy. Nano-Micro Letters, 2021, 13, 92.	14.4	41

#	Article	IF	CITATIONS
2543	Improving anti-tumour efficacy of PEGylated liposomal doxorubicin by dual targeting of tumour cells and tumour endothelial cells using anti-p32 CGKRK peptide. Journal of Drug Targeting, 2021, 29, 617-630.	2.1	25
2544	Advances in the Formulation and Assembly of Non-Cationic Lipid Nanoparticles for the Medical Application of Gene Therapeutics. Nanomaterials, 2021, 11, 825.	1.9	7
2545	Nano-Neurotheranostics: Impact of Nanoparticles on Neural Dysfunctions and Strategies to Reduce Toxicity for Improved Efficacy. Frontiers in Pharmacology, 2021, 12, 612692.	1.6	19
2546	Magnetosomes and Magnetosome Mimics: Preparation, Cancer Cell Uptake and Functionalization for Future Cancer Therapies. Pharmaceutics, 2021, 13, 367.	2.0	11
2547	Tuning the efficacy of esterase-activatable prodrug nanoparticles for the treatment of colorectal malignancies. Biomaterials, 2021, 270, 120705.	5 . 7	45
2548	Nanotechnologyâ€Based Strategies to Evaluate and Counteract Cancer Metastasis and Neoangiogenesis. Advanced Healthcare Materials, 2021, 10, e2002163.	3.9	14
2549	Antibody-Conjugated Nanocarriers for Targeted Antibiotic Delivery: Application in the Treatment of Bacterial Biofilms. Biomacromolecules, 2021, 22, 1639-1653.	2.6	25
2550	LinTT1 peptide-functionalized liposomes for targeted breast cancer therapy. International Journal of Pharmaceutics, 2021, 597, 120346.	2.6	45
2551	Targeted polymeric nanoparticle for anthracycline delivery in hypoxia-induced drug resistance in metastatic breast cancer cells. Anti-Cancer Drugs, 2021, Publish Ahead of Print, 745-754.	0.7	7
2552	Boron-enriched polyvinyl-alcohol/boric-acid nanoparticles for boron neutron capture therapy. Nanomedicine, 2021, 16, 441-452.	1.7	7
2553	Zwitterionic self-assembled nanoparticles as carriers for Plasmodium targeting in malaria oral treatment. Journal of Controlled Release, 2021, 331, 364-375.	4.8	20
2554	The clinical path to deliver encapsulated phages and lysins. FEMS Microbiology Reviews, 2021, 45, .	3.9	20
2555	Machine learning to determine optimal conditions for controlling the size of elastin-based particles. Scientific Reports, 2021, 11, 6343.	1.6	5
2556	Rational nanocarrier design towards clinical translation of cancer nanotherapy. Biomedical Materials (Bristol), 2021, 16, 032005.	1.7	14
2557	Sulfobetaine methacrylate-albumin-coated graphene oxide incorporating IR780 for enhanced breast cancer phototherapy. Nanomedicine, 2021, 16, 453-464.	1.7	5
2558	Multifunctional hybrid nanoplatform based on Fe3O4@Ag NPs for nitric oxide delivery: development, characterization, therapeutic efficacy, and hemocompatibility. Journal of Materials Science: Materials in Medicine, 2021, 32, 23.	1.7	10
2559	Nanoformulations for Delivery of Pentacyclic Triterpenoids in Anticancer Therapies. Molecules, 2021, 26, 1764.	1.7	19
2560	Synthesis and Characterization of Folate-Modified Cell Membrane Mimetic Copolymer Micelles for Effective Tumor Cell Internalization. ACS Applied Bio Materials, 2021, 4, 3246-3255.	2.3	6

#	Article	IF	CITATIONS
2561	The Uniqueness of Albumin as a Carrier in Nanodrug Delivery. Molecular Pharmaceutics, 2021, 18, 1862-1894.	2.3	209
2562	Differences in surface chemistry of iron oxide nanoparticles result in different routes of internalization. Beilstein Journal of Nanotechnology, 2021, 12, 270-281.	1.5	8
2563	Delivery Systems for Nucleic Acids and Proteins: Barriers, Cell Capture Pathways and Nanocarriers. Pharmaceutics, 2021, 13, 428.	2.0	55
2564	Targeting of claudin-4 by Clostridium perfringens enterotoxin-conjugated polysialic acid nanoparticles for pancreatic cancer therapy. Journal of Controlled Release, 2021, 331, 434-442.	4.8	20
2566	Redox-active nanoparticles for inflammatory bowel disease. Nano Research, 2021, 14, 2535-2557.	5.8	27
2567	Biomaterials and strategies for repairing spinal cord lesions. Neurochemistry International, 2021, 144, 104973.	1.9	26
2568	Reduction of leukemic burden via boneâ€targeted nanoparticle delivery of an inhibitor of Câ€chemokine (Câ€C motif) ligand 3 (CCL3) signaling. FASEB Journal, 2021, 35, e21402.	0.2	11
2569	Highway to Success—Developing Advanced Polymer Therapeutics. Advanced Therapeutics, 2021, 4, 2000285.	1.6	16
2570	Hyaluronic acid and albumin based nanoparticles for drug delivery. Journal of Controlled Release, 2021, 331, 416-433.	4.8	116
2571	Therapeutic RNA Delivery for COVID and Other Diseases. Advanced Healthcare Materials, 2021, 10, e2002022.	3.9	31
2572	One-Step Synthesis of Single-Stranded DNA-Bridged Iron Oxide Supraparticles as MRI Contrast Agents. Nano Letters, 2021, 21, 2793-2799.	4.5	19
2573	Controlled Formation of a Protein Corona Composed of Denatured BSA on Upconversion Nanoparticles Improves Their Colloidal Stability. Materials, 2021, 14, 1657.	1.3	12
2574	Preparation of multifunctional nanobubbles and their application in bimodal imaging and targeted combination therapy of early pancreatic cancer. Scientific Reports, 2021, 11, 6254.	1.6	11
2575	Chitosan Nanomedicine in Cancer Therapy: Targeted Delivery and Cellular Uptake. Macromolecular Bioscience, 2021, 21, e2100005.	2.1	24
2576	Drug delivery nanosystems targeted to hepatic ischemia and reperfusion injury. Drug Delivery and Translational Research, 2021, 11, 397-410.	3.0	8
2577	Impact of silver nanoparticles as antibacterial agent derived from leaf and callus of Celastrus paniculatus Willd. Future Journal of Pharmaceutical Sciences, 2021, 7, .	1.1	10
2578	The ameliorating approach of nanorobotics in the novel drug delivery systems: a mechanistic review. Journal of Drug Targeting, 2021, 29, 822-833.	2.1	7
2579	Structural Evolution of the Surface and Interface in Bimetallic High-Index Faceted Heterogeneous Nanoparticles. Journal of Physical Chemistry Letters, 2021, 12, 2454-2462.	2.1	5

#	Article	IF	CITATIONS
2580	Nanomedicineâ€Boosting Tumor Immunogenicity for Enhanced Immunotherapy. Advanced Functional Materials, 2021, 31, 2011171.	7.8	84
2581	A Nano "lmmuneâ€Guide―Recruiting Lymphocytes and Modulating the Ratio of Macrophages from Different Origins to Enhance Cancer Immunotherapy. Advanced Functional Materials, 2021, 31, 2009116.	7.8	24
2582	Dual Size/Chargeâ€Switchable Nanocatalytic Medicine for Deep Tumor Therapy. Advanced Science, 2021, 8, 2002816.	5.6	48
2583	miR-124: A Promising Therapeutic Target for Central Nervous System Injuries and Diseases. Cellular and Molecular Neurobiology, 2022, 42, 2031-2053.	1.7	13
2584	Nanovectorization of Prostate Cancer Treatment Strategies: A New Approach to Improved Outcomes. Pharmaceutics, 2021, 13, 591.	2.0	9
2585	Understanding and advancement in gold nanoparticle targeted photothermal therapy of cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1875, 188532.	3.3	75
2586	Clodronate-loaded liposomal and fibroblast-derived exosomal hybrid system for enhanced drug delivery to pulmonary fibrosis. Biomaterials, 2021, 271, 120761.	5.7	76
2587	Targeting Lymphoid Tissues to Promote Immune Tolerance. Advanced Therapeutics, 2021, 4, 2100056.	1.6	2
2588	Preparation and characterization of gelatin base cross-linking aerogel and nanoclay aerogel for diltiazem drug delivery. Polymer Bulletin, 2022, 79, 3987-4011.	1.7	1
2589	Embracing nanomaterials' interactions with the innate immune system. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1719.	3.3	10
2590	Enhanced Ultrasound Contrast of Renalâ€Clearable Luminescent Gold Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 11713-11717.	7. 2	32
2591	An investigation of affecting factors on MOF characteristics for biomedical applications: A systematic review. Heliyon, 2021, 7, e06914.	1.4	65
2592	Preparation and characterization of PEGylated liposomal Doxorubicin targeted with leptin-derived peptide and evaluation of their anti-tumor effects, in vitro and in vivo in mice bearing C26 colon carcinoma. Colloids and Surfaces B: Biointerfaces, 2021, 200, 111589.	2.5	26
2593	Preparation of Gelatin/Polycaprolactone Electrospun Fibers Loaded with Cis-Platinum and Their Potential Application for the Treatment of Prostate Cancer. Journal of Nanomaterials, 2021, 2021, 1-7.	1.5	3
2594	Hierarchical responsive micelle facilitates intratumoral penetration by acid-activated positive charge surface and size contraction. Biomaterials, 2021, 271, 120741.	5.7	14
2595	Importance of Nanoparticles for the Delivery of Antiparkinsonian Drugs. Pharmaceutics, 2021, 13, 508.	2.0	17
2596	Regression of Melanoma Following Intravenous Injection of Plumbagin Entrapped in Transferrin-Conjugated, Lipid–Polymer Hybrid Nanoparticles. International Journal of Nanomedicine, 2021, Volume 16, 2615-2631.	3.3	15
2598	Reduction-Induced Crystallization-Driven Self-Assembly of Main-Chain-Type Alternating Copolymers: Transformation from 1D Lines to 2D Platelets. ACS Macro Letters, 2021, 10, 564-569.	2.3	11

#	Article	IF	CITATIONS
2599	Polymeric Nanosystems for Immunogenic Cell Deathâ€Based Cancer Immunotherapy. Macromolecular Bioscience, 2021, 21, e2100075.	2.1	10
2600	Size-shrinkable and protein kinase $\widehat{\text{Cl}}$ -recognizable nanoparticles for deep tumor penetration and cellular internalization. European Journal of Pharmaceutical Sciences, 2021, 159, 105693.	1.9	13
2601	Mixed-monolayer functionalized gold nanoparticles for cancer treatment: Atomistic molecular dynamics simulations study. BioSystems, 2021, 202, 104354.	0.9	11
2602	Multivalent Probes in Molecular Imaging: Reality or Future?. Trends in Molecular Medicine, 2021, 27, 379-393.	3.5	14
2603	DNA origami nanostructures for controlled therapeutic drug delivery. Current Opinion in Colloid and Interface Science, 2021, 52, 101411.	3.4	55
2604	Biomimetic lipid Nanocomplexes incorporating STAT3-inhibiting peptides effectively infiltrate the lung barrier and ameliorate pulmonary fibrosis. Journal of Controlled Release, 2021, 332, 160-170.	4.8	17
2605	Enhancement of tumor tropism of mPEGylated nanoparticles by anti-mPEG bispecific antibody for ovarian cancer therapy. Scientific Reports, 2021, 11, 7598.	1.6	4
2606	Magnetothermally Activated Nanometer-level Modular Functional Group Grafting of Nanoparticles. Nano Letters, 2021, 21, 3649-3656.	4.5	6
2607	Biocompatible Nanomotors as Active Diagnostic Imaging Agents for Enhanced Magnetic Resonance Imaging of Tumor Tissues In Vivo. Advanced Functional Materials, 2021, 31, 2100936.	7.8	54
2608	Protein nanoparticles in molecular, cellular, and tissue imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1714.	3.3	4
2609	Recent Advancements of Specific Functionalized Surfaces of Magnetic Nano- and Microparticles as a Theranostics Source in Biomedicine. ACS Biomaterials Science and Engineering, 2021, 7, 1914-1932.	2.6	9
2610	Tunable NIR Absorption Property of a Dithiolene Nickel Complex: A Promising NIR-II Absorption Material for Photothermal Therapy. ACS Applied Bio Materials, 2021, 4, 4406-4412.	2.3	14
2611	Recent Developments in Nanomedicine for Pediatric Cancer. Journal of Clinical Medicine, 2021, 10, 1437.	1.0	11
2612	The role and application of small extracellular vesicles in gastric cancer. Molecular Cancer, 2021, 20, 71.	7.9	51
2613	Microbial Nano-Factories: Synthesis and Biomedical Applications. Frontiers in Chemistry, 2021, 9, 626834.	1.8	88
2614	Effect of physicochemical properties on inÂvivo fate of nanoparticle-based cancer immunotherapies. Acta Pharmaceutica Sinica B, 2021, 11, 886-902.	5.7	42
2615	Recent developments on Biopolymeric nanoparticles for Drug Delivery systems: An overview. Micro and Nanosystems, 2021, 13, .	0.3	3
2616	Rapamycin-Loaded Polymeric Nanoparticles as an Advanced Formulation for Macrophage Targeting in Atherosclerosis. Pharmaceutics, 2021, 13, 503.	2.0	12

#	Article	IF	CITATIONS
2617	Biological effects of formation of protein corona onto nanoparticles. International Journal of Biological Macromolecules, 2021, 175, 1-18.	3.6	42
2618	Lipid Nanoparticle-Mediated Lymphatic Delivery of Immunostimulatory Nucleic Acids. Pharmaceutics, 2021, 13, 490.	2.0	11
2619	Polyglutamic acid-based crosslinked doxorubicin nanogels as an anti-metastatic treatment for triple negative breast cancer. Journal of Controlled Release, 2021, 332, 10-20.	4.8	35
2620	Leukocyte-Mimetic Liposomes Penetrate Into Tumor Spheroids and Suppress Spheroid Growth by Encapsulated Doxorubicin. Journal of Pharmaceutical Sciences, 2021, 110, 1701-1709.	1.6	10
2621	Mesoporous Silica Nanoparticles: Properties and Strategies for Enhancing Clinical Effect. Pharmaceutics, 2021, 13, 570.	2.0	47
2622	MiRNAs and Muscle Regeneration: Therapeutic Targets in Duchenne Muscular Dystrophy. International Journal of Molecular Sciences, 2021, 22, 4236.	1.8	13
2623	Metal-organic frameworks as functional materials for implantable flexible biochemical sensors. Nano Research, 2021, 14, 2981-3009.	5.8	26
2624	Enhanced Ultrasound Contrast of Renalâ€Clearable Luminescent Gold Nanoparticles. Angewandte Chemie, 2021, 133, 11819-11823.	1.6	6
2625	A review on liposome-based therapeutic approaches against malignant melanoma. International Journal of Pharmaceutics, 2021, 599, 120413.	2.6	37
2626	Nanomedicine in cancer therapy: promises and hurdles of polymeric nanoparticles. Exploration of Medicine, 0, , .	1.5	4
2627	Metallic nanoparticles as drug delivery system for the treatment of cancer. Expert Opinion on Drug Delivery, 2021, 18, 1261-1290.	2.4	69
2628	Effect of Size and Loading of Retinoic Acid in Polyvinyl Butyrate Nanoparticles on Amelioration of Colitis. Polymers, 2021, 13, 1472.	2.0	2
2629	Implications of Quenchingâ€toâ€Dequenching Switch in Quantitative Cell Uptake and Biodistribution of Dyeâ€Labeled Nanoparticles. Angewandte Chemie, 2021, 133, 15554-15563.	1.6	1
2630	New Perspectives for Neutron Capture Radiation Therapy with ⁷ Be. The Chemistry and Biochemistry Gap. Journal of Nanoscience and Nanotechnology, 2021, 21, 2939-2942.	0.9	3
2631	Multifunctional biomolecule nanostructures for cancer therapy. Nature Reviews Materials, 2021, 6, 766-783.	23.3	224
2632	Recent Advances in Stimulusâ€Responsive Nanocarriers for Gene Therapy. Advanced Science, 2021, 8, 2100540.	5.6	60
2633	Recent progress on charge-reversal polymeric nanocarriers for cancer treatments. Biomedical Materials (Bristol), 2021, 16, 042010.	1.7	14
2634	Iron oxide nanoparticles conjugated with organic optical probes for <i>inÂvivo</i> diagnostic and therapeutic applications. Nanomedicine, 2021, 16, 943-962.	1.7	19

#	Article	IF	CITATIONS
2635	Reversing the Chirality of Surface Ligands Can Improve the Biosafety and Pharmacokinetics of Cationic Gold Nanoclusters. Angewandte Chemie - International Edition, 2021, 60, 13829-13834.	7.2	45
2636	Bioresponsive immune-booster-based prodrug nanogel for cancer immunotherapy. Acta Pharmaceutica Sinica B, 2022, 12, 451-466.	5.7	66
2637	Mesoporous silica nanoparticle: Heralding a brighter future in cancer nanomedicine. Microporous and Mesoporous Materials, 2021, 319, 110967.	2.2	23
2638	Nanodiamonds and their potential applications in breast cancer therapy: a narrative review. Drug Delivery and Translational Research, 2022, 12, 1017-1028.	3.0	7
2639	Edelfosine nanoemulsions inhibit tumor growth of triple negative breast cancer in zebrafish xenograft model. Scientific Reports, 2021, 11, 9873.	1.6	16
2640	Nano―and Microscale Drug Delivery Approaches for Therapeutic Immunomodulation. ChemNanoMat, 2021, 7, 773-788.	1.5	5
2641	Current Landscape in Organic Nanosized Materials Advances for Improved Management of Colorectal Cancer Patients. Materials, 2021, 14, 2440.	1.3	14
2642	Targeted polymer-based antibiotic delivery system: A promising option for treating bacterial infections via macromolecular approaches. Progress in Polymer Science, 2021, 116, 101389.	11.8	48
2643	Supramolecular Tadalafil Nanovaccine for Cancer Immunotherapy by Alleviating Myeloidâ€Derived Suppressor Cells and Heightening Immunogenicity. Small Methods, 2021, 5, e2100115.	4.6	44
2644	Multistage signal-interactive nanoparticles improve tumor targeting through efficient nanoparticle-cell communications. Cell Reports, 2021, 35, 109131.	2.9	6
2645	Marriage of Virusâ€Mimic Surface Topology and Microbubbleâ€Assisted Ultrasound for Enhanced Intratumor Accumulation and Improved Cancer Theranostics. Advanced Science, 2021, 8, 2004670.	5.6	13
2646	Is hyaluronic acid the perfect excipient for the pharmaceutical need?. International Journal of Pharmaceutics, 2021, 601, 120589.	2.6	20
2647	Mechanisms of Macrophage Plasticity in the Tumor Environment: Manipulating Activation State to Improve Outcomes. Frontiers in Immunology, 2021, 12, 642285.	2.2	70
2648	Cargo Encapsulation in Uniform, Length-Tunable Aqueous Nanofibers with a Coaxial Crystalline and Amorphous Core. Macromolecules, 2021, 54, 5784-5796.	2.2	22
2649	Fabricating and printing chemiresistors based on monolayer-capped metal nanoparticles. Nature Protocols, 2021, 16, 2968-2990.	5.5	18
2650	Implications of Quenchingâ€toâ€Dequenching Switch in Quantitative Cell Uptake and Biodistribution of Dyeâ€Labeled Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 15426-15435.	7.2	15
2651	Glutathione-triggered non-template synthesized porous carbon nanospheres serve as low toxicity targeted delivery system for cancer multi-therapy. Chinese Chemical Letters, 2021, 32, 1765-1769.	4.8	14
2652	MicroRNA Therapeutics in Cancer: Current Advances and Challenges. Cancers, 2021, 13, 2680.	1.7	82

#	Article	IF	CITATIONS
2653	Overcoming physiological barriers by nanoparticles for intravenous drug delivery to the lymph nodes. Experimental Biology and Medicine, 2021, 246, 2358-2371.	1.1	20
2654	Novel formulations and drug delivery systems to administer biological solids. Advanced Drug Delivery Reviews, 2021, 172, 183-210.	6.6	25
2655	Charge-reversal nanocomolexes-based CRISPR/Cas9 delivery system for loss-of-function oncogene editing in hepatocellular carcinoma. Journal of Controlled Release, 2021, 333, 362-373.	4.8	16
2656	Microfluidic Based Physical Approaches towards Single-Cell Intracellular Delivery and Analysis. Micromachines, 2021, 12, 631.	1.4	13
2657	Effect of Poly(L-lysine) and Heparin Coatings on the Surface of Polyester-Based Particles on Prednisolone Release and Biocompatibility. Pharmaceutics, 2021, 13, 801.	2.0	4
2658	Application of Nano-Drug Delivery System Based on Cascade Technology in Cancer Treatment. International Journal of Molecular Sciences, 2021, 22, 5698.	1.8	28
2659	Reversing the Chirality of Surface Ligands Can Improve the Biosafety and Pharmacokinetics of Cationic Gold Nanoclusters. Angewandte Chemie, 2021, 133, 13948-13953.	1.6	7
2660	Targeted Drug Delivery Systems for Kidney Diseases. Frontiers in Bioengineering and Biotechnology, 2021, 9, 683247.	2.0	26
2661	Low-dose X-ray enhanced tumor accumulation of theranostic nanoparticles for high-performance bimodal imaging-guided photothermal therapy. Journal of Nanobiotechnology, 2021, 19, 155.	4.2	10
2662	Genome editing for crop improvement: A perspective from India. In Vitro Cellular and Developmental Biology - Plant, 2021, 57, 565-573.	0.9	16
2663	Theranostic Near-Infrared-Active Conjugated Polymer Nanoparticles. ACS Nano, 2021, 15, 8790-8802.	7.3	19
2664	Organosilica Cages Target Hepatic Sinusoidal Endothelial Cells Avoiding Macrophage Filtering. ACS Nano, 2021, 15, 9701-9716.	7.3	23
2665	Recent advances in HER2-targeted delivery for cancer therapy. Drug Discovery Today, 2021, 26, 1319-1329.	3.2	29
2667	Nanotechnology Based Drug Delivery for HIV-AIDS Treatment. , 0, , .		4
2668	Hyperpolarized <scp>MRI</scp> with silicon micro and nanoparticles: Principles and applications. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1722.	3.3	8
2669	Potential Use of Exosomes as Diagnostic Biomarkers and in Targeted Drug Delivery: Progress in Clinical and Preclinical Applications. ACS Biomaterials Science and Engineering, 2021, 7, 2106-2149.	2.6	95
2670	Interdependency of influential parameters in therapeutic nanomedicine. Expert Opinion on Drug Delivery, 2021, 18, 1379-1394.	2.4	8
2671	Supramolecular Assembly of Hybrid Pt(II) Porphyrin/Tomatine Analogues with Different Nanostructures and Cytotoxic Activities. ACS Omega, 2021, 6, 13284-13292.	1.6	3

#	ARTICLE	IF	Citations
2672	From Design to Clinic: Engineered Nanobiomaterials for Immune Normalization Therapy of Cancer. Advanced Materials, 2021, 33, e2008094.	11.1	60
2673	Exosome-mediated delivery of RNA and DNA for gene therapy. Cancer Letters, 2021, 505, 58-72.	3.2	64
2674	Nanomaterials to Fight Cancer: An Overview on Their Multifunctional Exploitability. Journal of Nanoscience and Nanotechnology, 2021, 21, 2760-2777.	0.9	0
2675	Nanodelivery of natural isothiocyanates as a cancer therapeutic. Free Radical Biology and Medicine, 2021, 167, 125-140.	1.3	19
2676	Tumor microenvironment remodeling-based penetration strategies to amplify nanodrug accessibility to tumor parenchyma. Advanced Drug Delivery Reviews, 2021, 172, 80-103.	6.6	50
2677	Methylene blue associated with maghemite nanoparticles has antitumor activity in breast and ovarian carcinoma cell lines. Cancer Nanotechnology, 2021, 12, .	1.9	12
2678	Nanomedicine for acute respiratory distress syndrome: The latest application, targeting strategy, and rational design. Acta Pharmaceutica Sinica B, 2021, 11, 3060-3091.	5.7	74
2679	Molecular Mechanism of Ultrasound-Induced Structural Defects in Liposomes: A Nonequilibrium Molecular Dynamics Simulation Study. Langmuir, 2021, 37, 7945-7954.	1.6	5
2680	Cell nucleus as endogenous biological micropump. Biosensors and Bioelectronics, 2021, 182, 113166.	5.3	10
2682	Stealth PEGylated chitosan polyelectrolyte complex nanoparticles as drug delivery carrier. Journal of Biomaterials Science, Polymer Edition, 2021, 32, 1387-1405.	1.9	10
2683	Advances in the Structural Design of Polyelectrolyte Complex Micelles. Journal of Physical Chemistry B, 2021, 125, 7076-7089.	1.2	31
2684	A Critical Review of the Use of Surfactant-Coated Nanoparticles in Nanomedicine and Food Nanotechnology. International Journal of Nanomedicine, 2021, Volume 16, 3937-3999.	3.3	77
2685	Microfluidic and Nanofluidic Intracellular Delivery. Advanced Science, 2021, 8, e2004595.	5.6	34
2686	Recent Progress in Lipid Nanoparticles for Cancer Theranostics: Opportunity and Challenges. Pharmaceutics, 2021, 13, 840.	2.0	36
2687	A Natureâ€Inspired Metal–Organic Framework Discriminator for Differential Diagnosis of Cancer Cell Subtypes. Angewandte Chemie - International Edition, 2021, 60, 15436-15444.	7.2	51
2688	Formulation of tunable size PLGA-PEG nanoparticles for drug delivery using microfluidic technology. PLoS ONE, 2021, 16, e0251821.	1.1	21
2689	Fabrication of cisplatin-loaded polydopamine nanoparticles via supramolecular self-assembly for photoacoustic imaging guided chemo-photothermal cancer therapy. Applied Materials Today, 2021, 23, 101019.	2.3	22
2690	Exposure-time-dependent subcellular staging of gold nanoparticles deposition and vesicle destruction in mice livers. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 34, 102393.	1.7	5

#	Article	IF	CITATIONS
2691	Glutathione-Activated NO-/ROS-Generation Nanoparticles to Modulate the Tumor Hypoxic Microenvironment for Enhancing the Effect of HIFU-Combined Chemotherapy. ACS Applied Materials & Los Representations (2021), 13, 26808-26823.	4.0	20
2692	Impact of Tuning the Surface Charge Distribution on Colloidal Iron Oxide Nanoparticle Toxicity Investigated in Caenorhabditis elegans. Nanomaterials, 2021, 11, 1551.	1.9	7
2693	Assessment of the Oral Delivery of a Myelin Basic Protein Gene Promoter with Antiapoptotic bcl-xL (pMBP-bcl-xL) DNA by Cyclic Peptide Nanotubes with Two Aspect Ratios and Its Biodistribution in the Brain and Spinal Cord. Molecular Pharmaceutics, 2021, 18, 2556-2573.	2.3	3
2694	Mapping Surface Charge Distribution of Single-Cell via Charged Nanoparticle. Cells, 2021, 10, 1519.	1.8	13
2696	Versatile Vessel-on-a-Chip Platform for Studying Key Features of Blood Vascular Tumors. Bioengineering, 2021, 8, 81.	1.6	14
2697	Association Mechanism of Peptide-Coated Metal Nanoparticles with Model Membranes: A Coarse-Grained Study. Journal of Chemical Theory and Computation, 2021, 17, 4512-4523.	2.3	13
2698	Ultrasonic Cavitationâ€Assisted and Acidâ€Activated Transcytosis of Liposomes for Universal Active Tumor Penetration. Advanced Functional Materials, 2021, 31, 2102786.	7.8	40
2699	Nanomaterials and their composite scaffolds for photothermal therapy and tissue engineering applications. Science and Technology of Advanced Materials, 2021, 22, 404-428.	2.8	32
2700	Glutathione Reductase-Sensitive Polymeric Micelles for Controlled Drug Delivery on Arthritic Diseases. ACS Biomaterials Science and Engineering, 2021, 7, 3229-3241.	2.6	17
2701	Inflammatory tumor microenvironment responsive neutrophil exosomes-based drug delivery system for targeted glioma therapy. Biomaterials, 2021, 273, 120784.	5.7	140
2702	Multiâ€Functional Liposome: A Powerful Theranostic Nanoâ€Platform Enhancing Photodynamic Therapy. Advanced Science, 2021, 8, e2100876.	5.6	95
2703	Zeolitic imidazolate frameworks-based nanomaterials for biosensing, cancer imaging and phototheranostics. Applied Materials Today, 2021, 23, 100995.	2.3	12
2704	Nose to brain delivery of Rotigotine loaded solid lipid nanoparticles: Quality by design based optimization and characterization. Journal of Drug Delivery Science and Technology, 2021, 63, 102377.	1.4	8
2705	The promising shadow of microbubble over medical sciences: from fighting wide scope of prevalence disease to cancer eradication. Journal of Biomedical Science, 2021, 28, 49.	2.6	27
2706	Enhanced antibacterial activity of uniform and stable chitosan nanoparticles containing metronidazole against anaerobic bacterium of Bacteroides fragilis. Colloids and Surfaces B: Biointerfaces, 2021, 202, 111691.	2.5	17
2707	Theragnostic nanomotors: Successes and upcoming challenges. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2021, 13, e1736.	3.3	12
2708	Intravenous Delivery of Lungâ€Targeted Nanofibers for Pulmonary Hypertension in Mice. Advanced Healthcare Materials, 2021, 10, e2100302.	3.9	10
2709	Eradication of large established tumors by drug-loaded bacterial particles via a neutrophil-mediated mechanism. Journal of Controlled Release, 2021, 334, 52-63.	4.8	1

#	Article	IF	Citations
2710	In-vitro tumor microenvironment models containing physical and biological barriers for modelling multidrug resistance mechanisms and multidrug delivery strategies. Journal of Controlled Release, 2021, 334, 164-177.	4.8	19
2711	Formulation and In Vitro Characterization of PLGA/PLGA-PEG Nanoparticles Loaded with Murine Granulocyte-Macrophage Colony-Stimulating Factor. AAPS PharmSciTech, 2021, 22, 191.	1.5	5
2712	Bioinert, Stealth or Interactive: How Surface Chemistry of Nanocarriers Determines Their Fate In Vivo. Advanced Functional Materials, 2021, 31, 2103347.	7.8	41
2713	Efficacy Comparison of TAT Peptide-Functionalized PEGylated Liposomal Doxorubicin in C26 and B16F0 Tumor Mice Models. International Journal of Peptide Research and Therapeutics, 2021, 27, 2099-2109.	0.9	3
2714	Multistage Adaptive Nanoparticle Overcomes Biological Barriers for Effective Chemotherapy. Small, 2021, 17, e2100578.	5.2	22
2715	Cell/Bacteriaâ€Based Bioactive Materials for Cancer Immune Modulation and Precision Therapy. Advanced Materials, 2021, 33, e2100241.	11.1	46
2716	Chemodynamic nanomaterials for cancer theranostics. Journal of Nanobiotechnology, 2021, 19, 192.	4.2	51
2717	Kim-1 Targeted Extracellular Vesicles: A New Therapeutic Platform for RNAi to Treat AKI. Journal of the American Society of Nephrology: JASN, 2021, 32, 2467-2483.	3.0	50
2719	Metal Phenolic Networkâ€Integrated Multistage Nanosystem for Enhanced Drug Delivery to Solid Tumors. Small, 2021, 17, e2100789.	5.2	19
2720	Nonspecific Bindingâ€"Fundamental Concepts and Consequences for Biosensing Applications. Chemical Reviews, 2021, 121, 8095-8160.	23.0	113
2722	Dual-labeled visual tracer system for topical drug delivery by nanoparticle-triggered P-glycoprotein silencing. Chinese Chemical Letters, 2021, 32, 3954-3961.	4.8	6
2723	Synthesis of Zr-89-Labeled Folic Acid-Conjugated Silica (SiO2) Microwire as a Tumor Diagnostics Carrier for Positron Emission Tomography. Materials, 2021, 14, 3226.	1.3	2
2724	ROS-responsive biomimetic nanoparticles for potential application in targeted anti-atherosclerosis. International Journal of Energy Production and Management, 2021, 8, rbab033.	1.9	38
2725	Molecular imaging and disease theranostics with renal-clearable optical agents. Nature Reviews Materials, 2021, 6, 1095-1113.	23.3	223
2726	Hydrogelâ€Induced Cell Membrane Disruptions Enable Direct Cytosolic Delivery of Membraneâ€Impermeable Cargo. Advanced Materials, 2021, 33, e2008054.	11.1	13
2727	Protecting redesigned supercharged ferritin containers against protease by integration into acid-cleavable polyelectrolyte microgels. Journal of Colloid and Interface Science, 2021, 591, 451-462.	5.0	8
2728	Encapsulating Anti-Parasite Benzimidazole Drugs into Lipid-Coated Calcium Phosphate Nanoparticles to Efficiently Induce Skin Cancer Cell Apoptosis. Frontiers in Nanotechnology, 2021, 3, .	2.4	5
2729	Fabrication of Chitosan-coated Mesoporous Silica Nanoparticles Bearing Rosuvastatin as a Drug Delivery System. Current Drug Delivery, 2022, 19, 64-73.	0.8	4

#	Article	IF	CITATIONS
2730	A Natureâ€Inspired Metal–Organic Framework Discriminator for Differential Diagnosis of Cancer Cell Subtypes. Angewandte Chemie, 2021, 133, 15564-15572.	1.6	3
2731	Use of Protamine in Nanopharmaceuticals—A Review. Nanomaterials, 2021, 11, 1508.	1.9	41
2732	Toward Understanding the Effect of Solvent Evaporation on the Morphology of PLGA Microspheres by Double Emulsion Method. Industrial & Engineering Chemistry Research, 2021, 60, 9196-9205.	1.8	11
2733	Nano Based Approach for the Treatment of Neglected Tropical Diseases. Frontiers in Nanotechnology, 2021, 3, .	2.4	15
2734	The nanostructure of rod-like ascorbyl dipalmitate nanoparticles stabilized by a small amount of DSPE-PEG. International Journal of Pharmaceutics, 2021, 602, 120599.	2.6	3
2736	A stable biocompatible porous coordination cage promotes in vivo liver tumor inhibition. Nano Research, 2021, 14, 3407-3415.	5.8	16
2737	Targeted nanoformulation of C1 inhibits the growth of KB spheroids and cancer stem cell-enriched MCF-7 mammospheres. Colloids and Surfaces B: Biointerfaces, 2021, 202, 111702.	2.5	2
2738	Nanoengineering Branched Star Polymerâ€Based Formulations: Scope, Strategies, and Advances. Macromolecular Bioscience, 2021, 21, e2100105.	2.1	15
2739	Enhanced stability of salt-assisted sodium ceftriaxone-loaded chitosan nanoparticles: Formulation and optimization by 32-full factorial design and antibacterial effect study against aerobic and anaerobic bacteria. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126429.	2.3	5
2740	Poly(beta-amino ester) nanoparticles enable tumor-specific TRAIL secretion and a bystander effect to treat liver cancer. Molecular Therapy - Oncolytics, 2021, 21, 377-388.	2.0	12
2741	Recent Advances in Nanoparticle-Based Cancer Treatment: A Review. ACS Applied Nano Materials, 2021, 4, 6441-6470.	2.4	56
2742	Exploring interactions between extracellular vesicles and cells for innovative drug delivery system design. Advanced Drug Delivery Reviews, 2021, 173, 252-278.	6.6	55
2743	Programmable Assembly of Ï€â€Conjugated Polymers. Advanced Materials, 2021, 33, e2006287.	11.1	29
2744	Navigating the ethics of nanomedicine: are we lost in translation?. Nanomedicine, 2021, 16, 1075-1080.	1.7	3
2745	Deeply Infiltrating iRGDâ€Graphene Oxide for the Intensive Treatment of Metastatic Tumors through PTTâ€Mediated Chemosensitization and Strengthened Integrin Targetingâ€Based Antimigration. Advanced Healthcare Materials, 2021, 10, e2100536.	3.9	18
2746	Oral lipid nanomedicines: Current status and future perspectives in cancer treatment. Advanced Drug Delivery Reviews, 2021, 173, 238-251.	6.6	32
2747	Self-Assembling Nucleic Acid Nanostructures Functionalized with Aptamers. Chemical Reviews, 2021, 121, 13797-13868.	23.0	84
2748	Spatiotemporal control of CRISPR/Cas9 gene editing. Signal Transduction and Targeted Therapy, 2021, 6, 238.	7.1	73

#	Article	IF	CITATIONS
2749	Cell Membrane-Coated Oil in Water Nano-Emulsions as Biomimetic Nanocarriers for Lipophilic Compounds Conveyance. Pharmaceutics, 2021, 13, 1069.	2.0	8
2750	Quantitatively Tracking Bio–Nano Interactions of Metal–Phenolic Nanocapsules by Mass Cytometry. ACS Applied Materials & amp; Interfaces, 2021, 13, 35494-35505.	4.0	9
2751	Precision medicine based on nanoparticles: the paradigm between targeting and colloidal stability. Nanomedicine, 2021, 16, 1451-1456.	1.7	3
2752	Acid-Sensitive Supramolecular Nanoassemblies with Multivalent Interaction: Effective Tumor Retention and Deep Intratumor Infiltration. ACS Applied Materials & Samp; Interfaces, 2021, 13, 37680-37692.	4.0	18
2753	Drug Delivery by Ultrasound-Responsive Nanocarriers for Cancer Treatment. Pharmaceutics, 2021, 13, 1135.	2.0	55
2754	Self-targeted polymersomal co-formulation of doxorubicin, camptothecin and FOXM1 aptamer for efficient treatment of non-small cell lung cancer. Journal of Controlled Release, 2021, 335, 369-388.	4.8	30
2755	ATP/Hyals dually responsive core-shell hyaluronan/chitosan-based drug nanocarrier for potential application in breast cancer therapy. International Journal of Biological Macromolecules, 2021, 183, 839-851.	3.6	13
2756	Factors affecting the biological response of Graphene. Colloids and Surfaces B: Biointerfaces, 2021, 203, 111767.	2.5	7
2757	Albumin Nanoparticle Formulation for Heart-Targeted Drug Delivery: In Vivo Assessment of Congestive Heart Failure. Pharmaceuticals, 2021, 14, 697.	1.7	7
2758	Zebrafish Models for the Safety and Therapeutic Testing of Nanoparticles with a Focus on Macrophages. Nanomaterials, 2021, 11, 1784.	1.9	15
2759	In Vitro Cellular Uptake Studies of Self-Assembled Fluorinated Nanoparticles Labelled with Antibodies. Nanomaterials, 2021, 11, 1906.	1.9	1
2760	Lightâ€Controlled Precise Delivery of NIRâ€Responsive Semiconducting Polymer Nanoparticles with Promoted Vascular Permeability. Advanced Healthcare Materials, 2021, 10, e2100569.	3.9	16
2761	Macrophage depletion increases target specificity of boneâ€ŧargeted nanoparticles. Journal of Biomedical Materials Research - Part A, 2022, 110, 229-238.	2.1	8
2762	Peptide-Enabled Targeted Delivery Systems for Therapeutic Applications. Frontiers in Bioengineering and Biotechnology, 2021, 9, 701504.	2.0	27
2763	Doxorubicin-Bound Hydroxyethyl Starch Conjugate Nanoparticles with pH/Redox Responsive Linkage for Enhancing Antitumor Therapy. International Journal of Nanomedicine, 2021, Volume 16, 4527-4544.	3.3	7
2764	Orally Administrable Therapeutic Nanoparticles for the Treatment of Colorectal Cancer. Frontiers in Bioengineering and Biotechnology, 2021, 9, 670124.	2.0	14
2765	Optimizing nanoparticle design and surface modification toward clinical translation. MRS Bulletin, 2021, 46, 643-649.	1.7	5
2766	The Nanosystems Involved in Treating Lung Cancer. Life, 2021, 11, 682.	1.1	22

#	Article	IF	CITATIONS
2767	Overcoming barriers by local drug delivery with liposomes. Advanced Drug Delivery Reviews, 2021, 174, 53-86.	6.6	157
2768	Size-Dependent Internalization Efficiency of Macrophages from Adsorbed Nanoparticle-Based Monolayers. Nanomaterials, 2021, 11, 1963.	1.9	24
2769	Double‣ock Nanomedicines Enable Tumorâ€Microenvironmentâ€Responsive Selective Antitumor Therapy. Advanced Functional Materials, 2021, 31, 2009157.	7.8	14
2770	Extracellular Vesicles as an Advanced Delivery Biomaterial for Precision Cancer Immunotherapy. Advanced Healthcare Materials, 2022, 11, e2100650.	3.9	27
2771	Nanoparticle Size Effects in Biomedical Applications. ACS Applied Nano Materials, 2021, 4, 6471-6496.	2.4	90
2772	Obstacles and opportunities in a forward vision for cancer nanomedicine. Nature Materials, 2021, 20, 1469-1479.	13.3	206
2773	Glutathione-responsive PLGA nanocomplex for dual delivery of doxorubicin and curcumin to overcome tumor multidrug resistance. Nanomedicine, 2021, 16, 1411-1427.	1.7	5
2774	Platinum and Palladium Complexes as Promising Sources for Antitumor Treatments. International Journal of Molecular Sciences, 2021, 22, 8271.	1.8	44
2775	Nanoparticle dynamics in semidilute polymer solutions: Rings versus linear chains. Journal of Rheology, 2021, 65, 745-755.	1.3	5
2776	Correlation between Protonation of Tailor-Made Polypiperazines and Endosomal Escape for Cytosolic Protein Delivery. ACS Applied Materials & Interfaces, 2021, 13, 35233-35247.	4.0	13
2777	Size, geometry and mobility of protein assemblage regulate the kinetics of membrane wrapping on nanoparticles. Journal of Molecular Liquids, 2021, 333, 115990.	2.3	7
2778	Drug delivery to the pediatric upper airway. Advanced Drug Delivery Reviews, 2021, 174, 168-189.	6.6	2
2779	Preparation of Mitochondria―and Epigeneticsâ€Targeting Nanoparticles for Suppression of Cancer Metastasis. Particle and Particle Systems Characterization, 2021, 38, 2100003.	1.2	0
2780	Electromagnetic Fieldâ€Programmed Magnetic Vortex Nanodelivery System for Efficacious Cancer Therapy. Advanced Science, 2021, 8, e2100950.	5.6	22
2781	Optimizing Active Tumor Targeting Biocompatible Polymers for Efficient Systemic Delivery of Adenovirus. Cells, 2021, 10, 1896.	1.8	4
2782	Improved delivery of broadly neutralizing antibodies by nanocapsules suppresses SHIV infection in the CNS of infant rhesus macaques. PLoS Pathogens, 2021, 17, e1009738.	2.1	7
2783	Local delivery of fingolimod through PLGA nanoparticles and PuraMatrixâ€embedded neural precursor cells promote motor function recovery and tissue repair in spinal cordÂinjury. European Journal of Neuroscience, 2021, 54, 5620-5637.	1.2	9
2784	Targeted Designing of Multimodal Tumor-Seeking Nanomedicine for Breast Cancer-Specific Triple-Therapeutic Effects. ACS Applied Bio Materials, 2021, 4, 6575-6588.	2.3	5

#	Article	IF	CITATIONS
2785	Obstacles impeding the development of nanocarriers for anticancer drugs. Nanomedicine, 2021, 16, 1447-1450.	1.7	0
2786	Magnetic nanoparticles for cancer theranostics: Advances and prospects. Journal of Controlled Release, 2021, 335, 437-448.	4.8	87
2787	Nanoparticles in nanomedicine: a comprehensive updated review on current status, challenges and emerging opportunities. Journal of Microencapsulation, 2021, 38, 414-436.	1.2	58
2788	Use of pH-Active Catechol-Bearing Polymeric Nanogels with Glutathione-Responsive Dissociation to Codeliver Bortezomib and Doxorubicin for the Synergistic Therapy of Cancer. ACS Applied Materials & Amp; Interfaces, 2021, 13, 36926-36937.	4.0	14
2789	Bacterium-mimicking sequentially targeted therapeutic nanocomplexes based on O-carboxymethyl chitosan and their cooperative therapy by dual-modality light manipulation. Carbohydrate Polymers, 2021, 264, 118030.	5.1	6
2790	Lure-and-kill macrophage nanoparticles alleviate the severity of experimental acute pancreatitis. Nature Communications, 2021, 12, 4136.	5.8	32
2791	The Role of Exosomes and Their Cargos in the Mechanism, Diagnosis, and Treatment of Atrial Fibrillation. Frontiers in Cardiovascular Medicine, 2021, 8, 712828.	1.1	5
2792	"Plug and Play―Functionalized Erythrocyte Nanoplatform for Target Atherosclerosis Management. ACS Applied Materials & Diterfaces, 2021, 13, 33862-33873.	4.0	27
2793	Backbone-Degradable (Co-)Polymers for Light-Triggered Drug Delivery. ACS Applied Polymer Materials, 2021, 3, 3831-3842.	2.0	9
2794	Modern Developments of Nano Based Drug Delivery System by Combined with Phytochemicals- Presenting New Aspects. International Journal of Scientific Research in Science and Technology, 2021, , 107-129.	0.1	2
2795	The growth of siRNA-based therapeutics: Updated clinical studies. Biochemical Pharmacology, 2021, 189, 114432.	2.0	249
2796	Polymer-free hydrogel made of lipid nanocapsules, as a local drug delivery platform. Materials Science and Engineering C, 2021, 126, 112188.	3.8	13
2797	PET Tracing of Biodistribution for Orally Administered ⁶⁴ Cu-Labeled Polystyrene in Mice. Journal of Nuclear Medicine, 2022, 63, 461-467.	2.8	32
2798	Organelle-inspired supramolecular nanomedicine to precisely abolish liver tumor growth and metastasis. Bioactive Materials, 2022, 9, 120-133.	8.6	20
2799	Preclinical Cancer Theranosticsâ€"From Nanomaterials to Clinic: The Missing Link. Advanced Functional Materials, 2021, 31, 2104199.	7.8	33
2800	Current hurdles to the translation of nanomedicines from bench to the clinic. Drug Delivery and Translational Research, 2022, 12, 500-525.	3.0	92
2801	Physicochemical properties and bioâ€interfacial interactions of surface modified PDLLAâ€PAMAM linear dendritic block copolymers. Journal of Polymer Science, 2021, 59, 2177-2192.	2.0	4
2802	Parametric Study of the Factors Influencing Liposome Physicochemical Characteristics in a Periodic Disturbance Mixer. Langmuir, 2021, 37, 8544-8556.	1.6	5

#	Article	IF	CITATIONS
2803	A Biomimetic Aggregationâ€Induced Emission Photosensitizer with Antigenâ€Presenting and Hitchhiking Function for Lipid Droplet Targeted Photodynamic Immunotherapy. Advanced Materials, 2021, 33, e2102322.	11.1	83
2804	Biomimetic-Coated Nanoplatform with Lipid-Specific Imaging and ROS Responsiveness for Atherosclerosis-Targeted Theranostics. ACS Applied Materials & Samp; Interfaces, 2021, 13, 35410-35421.	4.0	33
2805	Internalisation and Biological Activity of Nucleic Acids Delivering Cell-Penetrating Peptide Nanoparticles Is Controlled by the Biomolecular Corona. Pharmaceuticals, 2021, 14, 667.	1.7	6
2806	LDL mediated delivery of Paclitaxel and MRI imaging probes for personalized medicine applications. Journal of Nanobiotechnology, 2021, 19, 208.	4.2	4
2807	Control of postharvest fungal diseases in fruits using external application of RNAi. Journal of Food Science, 2021, 86, 3341-3348.	1.5	15
2808	Combining nanomedicine and immune checkpoint therapy for cancer immunotherapy. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1739.	3.3	19
2809	Cellulose Nanocrystals/Chitosan-Based Nanosystems: Synthesis, Characterization, and Cellular Uptake on Breast Cancer Cells. Nanomaterials, 2021, 11, 2057.	1.9	18
2810	Hyaluronic Acid-Functionalized Nanomicelles Enhance SAHA Efficacy in 3D Endometrial Cancer Models. Cancers, 2021, 13, 4032.	1.7	7
2811	Aptamer functionalized nanomaterials for biomedical applications: Recent advances and new horizons. Nano Today, 2021, 39, 101177.	6.2	100
2812	Emerging strategies in developing multifunctional nanomaterials for cancer nanotheranostics. Advanced Drug Delivery Reviews, 2021, 178, 113907.	6.6	46
2813	Cellular Uptake of Three Different Nanoparticles in an Inflammatory Arthritis Scenario versus Normal Conditions. Molecular Pharmaceutics, 2021, 18, 3235-3246.	2.3	9
2814	Re-engineering a Liposome with Membranes of Red Blood Cells for Drug Delivery and Diagnostic Applications. ACS Applied Bio Materials, 2021, 4, 6974-6981.	2.3	11
2815	PEG-modified gadolinium nanoparticles as contrast agents for in vivo micro-CT. Scientific Reports, 2021, 11, 16603.	1.6	9
2816	Bio-acceptable OD and 1D ZnO nanostructures for cancer diagnostics and treatment. Materials Today, 2021, 50, 533-569.	8.3	95
2817	Paramagnetic Mn ₈ Fe ₄ - <i>co</i> Polystyrene Nanobeads as a Potential T ₁ â€"T ₂ Multimodal Magnetic Resonance Imaging Contrast Agent with ⟨i>In Vivo Studies. ACS Applied Materials & Samp; Interfaces, 2021, 13, 39042-39054.	4.0	6
2818	Nanotherapeutics and nanotheragnostics for cancers: properties, pharmacokinetics, biopharmaceutics, and biosafety. Current Pharmaceutical Design, 2021, 27, .	0.9	1
2819	Multifunctional Nanocarriersâ€Mediated Synergistic Combination of Immune Checkpoint Inhibitor Cancer Immunotherapy and Interventional Oncology Therapy. Advanced NanoBiomed Research, 2021, 1, 2100010.	1.7	5
2820	Advances on colorectal cancer 3D models: The needed translational technology for nanomedicine screening. Advanced Drug Delivery Reviews, 2021, 175, 113824.	6.6	27

#	Article	IF	CITATIONS
2821	Supramolecular Structures Generated <i>via</i> Self-Assembly of a Cell Penetrating Tetrapeptide Facilitate Intracellular Delivery of a Pro-apoptotic Chemotherapeutic Drug. ACS Applied Bio Materials, 2021, 4, 6807-6820.	2.3	10
2822	Honokiol-Based Nanomedicine Decorated with Ethylene Glycols Derivatives Promotes Antitumor Efficacy. Journal of Biomedical Nanotechnology, 2021, 17, 1564-1573.	0.5	4
2823	Nanotechnology for pain management: Current and future therapeutic interventions. Nano Today, 2021, 39, 101223.	6.2	27
2824	<i>N</i> -Acetyl- <scp>l</scp> -cysteine-Loaded Nanosystems as a Promising Therapeutic Approach Toward the Eradication of <i>Pseudomonas aeruginosa</i> Biofilms. ACS Applied Materials & amp; Interfaces, 2021, 13, 42329-42343.	4.0	8
2825	Tuning the Immunostimulation Properties of Cationic Lipid Nanocarriers for Nucleic Acid Delivery. Frontiers in Immunology, 2021, 12, 722411.	2.2	6
2826	Lipid Cubic Mesophases Combined with Superparamagnetic Iron Oxide Nanoparticles: A Hybrid Multifunctional Platform with Tunable Magnetic Properties for Nanomedical Applications. International Journal of Molecular Sciences, 2021, 22, 9268.	1.8	11
2827	Meet me halfway: Are in vitro 3D cancer models on the way to replace in vivo models for nanomedicine development?. Advanced Drug Delivery Reviews, 2021, 175, 113760.	6.6	34
2828	Amphipathic Au-sulfur-poly (ethylene glycol)-b-poly (butylene succinate) system prepared by interfacial reaction as in-silico photosensitizer and antineoplastic carrier. Journal of Drug Delivery Science and Technology, 2021, 64, 102584.	1.4	4
2829	The Enhanced Permeability and Retention (EPR) Effect: The Significance of the Concept and Methods to Enhance Its Application. Journal of Personalized Medicine, 2021, 11, 771.	1.1	275
2830	Fluorinated PLGA-PEG-Mannose Nanoparticles for Tumor-Associated Macrophage Detection by Optical Imaging and MRI. Frontiers in Medicine, 2021, 8, 712367.	1.2	10
2831	Altered immune cells in the liver and spleen of mice as a typical immune response to graphene oxide exposure. Materials and Design, 2021, 206, 109802.	3.3	4
2832	Synthesis and Characterization of Gefitinib and Paclitaxel Mono and Dual Drug-Loaded Blood Cockle Shells (Anadara granosa)-Derived Aragonite CaCO3 Nanoparticles. Nanomaterials, 2021, 11, 1988.	1.9	9
2833	Surface modified cellulose nanocrystalline hybrids actualizing efficient and precise delivery of doxorubicin into nucleus with: In vitro and in vivo evaluation. Journal of Applied Polymer Science, 2021, 138, 51536.	1.3	3
2834	Targeted Delivery of Drugs and Genes Using Polymer Nanocarriers for Cancer Therapy. International Journal of Molecular Sciences, 2021, 22, 9118.	1.8	55
2835	Peptide-Assisted Nucleic Acid Delivery Systems on the Rise. International Journal of Molecular Sciences, 2021, 22, 9092.	1.8	11
2836	Influencing factors and strategies of enhancing nanoparticles into tumors inÂvivo. Acta Pharmaceutica Sinica B, 2021, 11, 2265-2285.	5.7	94
2837	Using Gold-Nanorod-Filled Mesoporous Silica Nanobeads for Enhanced Radiotherapy of Oral Squamous Carcinoma. Nanomaterials, 2021, 11, 2235.	1.9	13
2838	Metal-organic frameworks for simultaneous gene and small molecule delivery in vitro and in vivo. Chemical Engineering Journal, 2021, 418, 129386.	6.6	42

#	Article	IF	CITATIONS
2839	Evaluation of the supramolecular structure of drug delivery carriers using synchrotron X-ray scattering. Polymer Journal, 2021, 53, 1335-1344.	1.3	5
2840	Key Points in Remote-Controlled Drug Delivery: From the Carrier Design to Clinical Trials. International Journal of Molecular Sciences, 2021, 22, 9149.	1.8	5
2841	Nanotechnology-Based Strategies to Overcome Current Barriers in Gene Delivery. International Journal of Molecular Sciences, 2021, 22, 8537.	1.8	29
2842	Nanocapsules modify membrane interaction of polymyxin B to enable safe systemic therapy of Gram-negative sepsis. Science Advances, 2021, 7, .	4.7	20
2843	Emerging strategies against tumor-associated fibroblast for improved the penetration of nanoparticle into desmoplastic tumor. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 165, 75-83.	2.0	8
2844	Self-Monitoring the Endo-Lysosomal Escape and Near-Infrared-Activated Mitophagy To Guide Synergistic Type-I Photodynamic and Photothermal Therapy. Analytical Chemistry, 2021, 93, 12059-12066.	3.2	25
2845	Nanocarriers as a Tool for the Treatment of Colorectal Cancer. Pharmaceutics, 2021, 13, 1321.	2.0	13
2846	Ruthenium Complexes: An Alternative to Platinum Drugs in Colorectal Cancer Treatment. Pharmaceutics, 2021, 13, 1295.	2.0	34
2847	Logic devices based on nucleic acid selfâ€assembly. InformaÄnÃ-Materiály, 2021, 3, 1070-1082.	8.5	8
2848	Nanoaggregate-forming lipid-conjugated AS1411 aptamer as a promising tumor-targeted delivery system of anticancer agents in vitro. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 36, 102429.	1.7	12
2849	MS1-type bioengineered spider silk nanoparticles do not exhibit toxicity in an <i>in vivo</i> model. Nanomedicine, 2021, 16, 1553-1565.	1.7	9
2850	Design, fabrication and drug release potential of dual stimuli-responsive composite hydrogel nanoparticle interfaces. Colloids and Surfaces B: Biointerfaces, 2021, 204, 111819.	2.5	76
2851	Nanomedicines modulating myeloid-derived suppressor cells for improving cancer immunotherapy. Nano Today, 2021, 39, 101163.	6.2	18
2852	Hierarchical nano-to-molecular disassembly of boron dipyrromethene nanoparticles for enhanced tumor penetration and activatable photodynamic therapy. Biomaterials, 2021, 275, 120945.	5.7	18
2853	Effective $N\tilde{A}$ ©el relaxation time constant and intrinsic dipolar magnetism in a multicore magnetic nanoparticle system. Journal of Applied Physics, 2021, 130, .	1.1	10
2854	Utilization of Antibody Allows Rapid Clearance of Nanoparticle Probes from Blood without the Need of Probe Modifications. ACS Omega, 2021, 6, 21153-21159.	1.6	1
2855	Carbohydrate-Based Macromolecular Biomaterials. Chemical Reviews, 2021, 121, 10950-11029.	23.0	122
2856	Artificial exosomes for translational nanomedicine. Journal of Nanobiotechnology, 2021, 19, 242.	4.2	133

#	ARTICLE	IF	CITATIONS
2857	Alginate-azo/chitosan nanocapsules in vitro drug delivery for hepatic carcinoma cells: UV-stimulated decomposition and drug release based on trans-to-cis isomerization. International Journal of Biological Macromolecules, 2021, 187, 214-222.	3.6	8
2858	â€~Sweet as a Nut': Production and use of nanocapsules made of glycopolymer or polysaccharide shell. Progress in Polymer Science, 2021, 120, 101429.	11.8	16
2859	Nanoparticles targeting tumor-associated macrophages: A novel anti-tumor therapy. Nano Research, 2022, 15, 2177-2195.	5.8	6
2860	Green Synthesis of Size-Controlled <i>in Vivo</i> Biocompatible Immunoglobulin-Based Nanoparticles by a Swift Thermal Formation. ACS Sustainable Chemistry and Engineering, 2021, 9, 13128-13134.	3.2	9
2861	Sonoporation: Past, Present, and Future. Advanced Materials Technologies, 2022, 7, .	3.0	28
2862	Silk fibroin nanoparticles enhance quercetin immunomodulatory properties in DSS-induced mouse colitis. International Journal of Pharmaceutics, 2021, 606, 120935.	2.6	33
2863	Phytonanomaterials as therapeutic agents and drug delivery carriers. Advanced Drug Delivery Reviews, 2021, 176, 113868.	6.6	12
2864	Molecular Design, Synthesis, and Properties of Surface-Active Comb-Like PEG-Containing Polymers and Derived Supramolecular Structures for Drug Delivery. , 2022, , 17-57.		1
2865	Virusâ€Mimic mRNA Vaccine for Cancer Treatment. Advanced Therapeutics, 2021, 4, 2100144.	1.6	11
2866	Targeting Antigen-Presenting Cells in Multiple Sclerosis Treatment. Applied Sciences (Switzerland), 2021, 11, 8557.	1.3	2
2867	Radiation nanosensitizers in cancer therapyâ€"From preclinical discoveries to the outcomes of early clinical trials. Bioengineering and Translational Medicine, 2022, 7, e10256.	3.9	26
2868	Nanotechnology for Targeted Detection and Removal of Bacteria: Opportunities and Challenges. Advanced Science, 2021, 8, e2100556.	5.6	38
2869	Facile Room-Temperature Synthesis of Cerium Carbonate and Cerium Oxide Nano- and Microparticles Using 1,1′-Carbonyldiimidazole and Imidazole in a Nonaqueous Solvent. ACS Omega, 2021, 6, 26477-26488.	1.6	5
2870	Nanotherapies for sepsis by regulating inflammatory signals and reactive oxygen and nitrogen species: New insight for treating COVID-19. Redox Biology, 2021, 45, 102046.	3.9	52
2871	Biomimetic Nanoparticles Carrying a Repolarization Agent of Tumor-Associated Macrophages for Remodeling of the Inflammatory Microenvironment Following Photothermal Therapy. ACS Nano, 2021, 15, 15166-15179.	7.3	61
2872	Exosomes-mediated tumor treatment: One body plays multiple roles. Asian Journal of Pharmaceutical Sciences, 2022, 17, 385-400.	4.3	11
2873	Understanding the Adsorption of Peptides and Proteins onto PEGylated Gold Nanoparticles. Molecules, 2021, 26, 5788.	1.7	21
2874	Translational considerations for the design of untethered nanomaterials in human neural stimulation. Brain Stimulation, 2021, 14, 1285-1297.	0.7	7

#	Article	IF	Citations
2875	Protein Corona Inhibits Endosomal Escape of Functionalized DNA Nanostructures in Living Cells. ACS Applied Materials & Samp; Interfaces, 2021, 13, 46375-46390.	4.0	20
2876	Fabrication of Mesoporous SiO2@CaSiO3 Hollow Spheres as Carriers for pH-sensitive Drug Delivery. Chemical Research in Chinese Universities, 2022, 38, 999-1004.	1.3	8
2877	Antibody nanocarriers for cancer management. Current Opinion in Biomedical Engineering, 2021, 19, 100295.	1.8	1
2878	Redefining high-k dielectric materials vision at nanoscale for energy storage: A new electrochemically active protection barrier. Electrochimica Acta, 2021, 389, 138727.	2.6	3
2879	Iron oxide nanoparticle targeted chemo-immunotherapy for triple negative breast cancer. Materials Today, 2021, 50, 149-169.	8.3	33
2880	Approaches to modelling the shape of nanocrystals. Nano Convergence, 2021, 8, 26.	6.3	22
2881	A Simplistic Single-Step Method for Preparing Biomimetic Nanoparticles from Endogenous Biomaterials. ACS Applied Materials & Samp; Interfaces, 2021, 13, 46464-46477.	4.0	5
2882	Engineering Nanorobots for Tumor†argeting Drug Delivery: From Dynamic Control to Stimuliâ€Responsive Strategy. ChemBioChem, 2021, 22, 3369-3380.	1.3	10
2883	Current status of nanoscale drug delivery and the future of nano-vaccine development for leishmaniasis $\hat{a} \in A$ review. Biomedicine and Pharmacotherapy, 2021, 141, 111920.	2.5	27
2884	A Freezing and Thawing Method for Fabrication of Small Gelatin Nanoparticles with Stable Size Distributions for Biomedical Applications. Tissue Engineering and Regenerative Medicine, 2022, 19, 301-307.	1.6	4
2885	New contrast agents for photoacoustic imaging and theranostics: Recent 5-year overview on phthalocyanine/naphthalocyanine-based nanoparticles. APL Bioengineering, 2021, 5, 031510.	3.3	25
2886	Magnetothermal regulation of in vivo protein corona formation on magnetic nanoparticles for improved cancer nanotherapy. Biomaterials, 2021, 276, 121021.	5.7	29
2887	Shape-dependent intracellular uptake of metal–organic framework nanoparticles. Journal of Industrial and Engineering Chemistry, 2021, , .	2.9	1
2888	Development of aÂdry powder for inhalation of nanoparticles codelivering cisplatin and <i>ABCC3</i> siRNA in lung cancer. Therapeutic Delivery, 2021, 12, 651-670.	1.2	6
2889	3D printed personalized magnetic micromachines from patient blood–derived biomaterials. Science Advances, 2021, 7, eabh0273.	4.7	51
2890	Spherical nucleic acids: Organized nucleotide aggregates as versatile nanomedicine. Aggregate, 2022, 3, e120.	5.2	21
2891	mRNA delivery via non-viral carriers for biomedical applications. International Journal of Pharmaceutics, 2021, 607, 121020.	2.6	17
2892	Preliminary studies on drug delivery of polymeric primaquine microparticles using the liver high uptake effect based on size of particles to improve malaria treatment. Materials Science and Engineering C, 2021, 128, 112275.	3.8	12

#	Article	IF	CITATIONS
2893	Bioengineering bacterial encapsulin nanocompartments as targeted drug delivery system. Synthetic and Systems Biotechnology, 2021, 6, 231-241.	1.8	32
2895	Activatable Biomineralized Nanoplatform Remodels the Intracellular Environment of Multidrugâ€Resistant Tumors for Enhanced Ferroptosis/Apoptosis Therapy. Small, 2021, 17, e2102269.	5.2	22
2896	A Comprehensive Review of Current Perspectives on Novel Drug Delivery Systems and Approaches for Lung Cancer Management. Journal of Pharmaceutical Innovation, 2022, 17, 1530-1553.	1.1	4
2897	Electrophoresis of Liquid-Layer Coated Particles: Impact of Ion Partitioning and Ion Steric Effects. Langmuir, 2021, 37, 11316-11329.	1.6	6
2898	Functional supramolecular systems: design and applications. Russian Chemical Reviews, 2021, 90, 895-1107.	2.5	93
2899	Harnessing the therapeutic potential of extracellular vesicles for cancer treatment. Seminars in Cancer Biology, 2021, 74, 92-104.	4.3	9
2900	High-throughput evaluation of polymeric nanoparticles for tissue-targeted gene expression using barcoded plasmid DNA. Journal of Controlled Release, 2021, 337, 105-116.	4.8	18
2901	Evolutionary computational platform for the automatic discovery of nanocarriers for cancer treatment. Npj Computational Materials, 2021, 7, .	3.5	12
2902	Mitoxantrone-loaded lipid nanoparticles for breast cancer therapy – Quality-by-design approach and efficacy assessment in 2D and 3D in vitro cancer models. International Journal of Pharmaceutics, 2021, 607, 121044.	2.6	20
2903	Versatile membrane-based microfluidic platform for in vitro drug diffusion testing mimicking in vivo environments. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, 39, 102462.	1.7	3
2904	Synergistic Theranostics of Magnetic Resonance Imaging and Photothermal Therapy of Breast Cancer Based on the Janus Nanostructures Fe3O4-Aushell-PEG. International Journal of Nanomedicine, 2021, Volume 16, 6383-6394.	3.3	9
2906	Nanohybrids as Protein-Polymer Conjugate Multimodal Therapeutics. Frontiers in Medical Technology, 2021, 3, 676025.	1.3	9
2907	Nanocarriers as drug delivery systems for propolis: A therapeutic approach. Journal of Drug Delivery Science and Technology, 2021, 65, 102762.	1.4	13
2908	Hyperbaric oxygen regulates tumor microenvironment and boosts commercialized nanomedicine delivery for potent eradication of cancer stem-like cells. Nano Today, 2021, 40, 101248.	6.2	34
2909	Non-spherical micro- and nanoparticles for drug delivery: Progress over 15Âyears. Advanced Drug Delivery Reviews, 2021, 177, 113807.	6.6	58
2910	Nano therapeutic approaches to combat progression of metastatic prostate cancer. Advances in Cancer Biology Metastasis, 2021, 2, 100009.	1.1	9
2911	Enhanced Vascular Permeability by Microbubbles and Ultrasound in Drug Delivery. Biological and Pharmaceutical Bulletin, 2021, 44, 1391-1398.	0.6	8
2912	Lipid- and polymer-based nanoparticle systems for the delivery of CRISPR/Cas9. Journal of Drug Delivery Science and Technology, 2021, 65, 102728.	1.4	19

#	Article	IF	CITATIONS
2913	Studies on cancer cell death through delivery of dopamine as anti-cancer drug by a newly functionalized cobalt ferrite nano-carrier. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 627, 127202.	2.3	18
2914	Targeted drug delivery for maternal and perinatal health: Challenges and opportunities. Advanced Drug Delivery Reviews, 2021, 177, 113950.	6.6	10
2915	Endocytosis of abiotic nanomaterials and nanobiovectors: Inhibition of membrane trafficking. Nano Today, 2021, 40, 101279.	6.2	69
2916	Aggregation of Gold Nanoparticles Triggered by Hydrogen Peroxideâ€Initiated Chemiluminescence for Activated Tumor Theranostics. Angewandte Chemie, 2021, 133, 23998.	1.6	2
2917	Preparation, Characterization, and Evaluation of Rutin Nanocrystals as an Anticancer Agent against Head and Neck Squamous Cell Carcinoma Cell Line. Journal of Nanomaterials, 2021, 2021, 1-8.	1.5	6
2918	The impact of graphene oxide sheet lateral dimensions on their pharmacokinetic and tissue distribution profiles in mice. Journal of Controlled Release, 2021, 338, 330-340.	4.8	19
2919	Dendrimer-decorated nanogels: Efficient nanocarriers for biodistribution in vivo and chemotherapy of ovarian carcinoma. Bioactive Materials, 2021, 6, 3244-3253.	8.6	46
2920	Quantitative comparison of different fluorescent dye-loaded nanoparticles. Colloids and Surfaces B: Biointerfaces, 2021, 206, 111923.	2.5	7
2921	Bioinspired drug delivery strategies for repurposing conventional antibiotics against intracellular infections. Advanced Drug Delivery Reviews, 2021, 177, 113948.	6.6	45
2922	Aggregation of Gold Nanoparticles Triggered by Hydrogen Peroxideâ€Initiated Chemiluminescence for Activated Tumor Theranostics. Angewandte Chemie - International Edition, 2021, 60, 23805-23811.	7.2	43
2923	Tuning three-dimensional (3D) shapes of polymeric microparticles by geometry-driven control of mold swelling and capillarity in micromolds. Journal of Colloid and Interface Science, 2021, 600, 373-381.	5.0	4
2924	Traditional herbal medicine and nanomedicine: Converging disciplines to improve therapeutic efficacy and human health. Advanced Drug Delivery Reviews, 2021, 178, 113964.	6.6	71
2925	Biomembrane-based nanostructures for cancer targeting and therapy: From synthetic liposomes to natural biomembranes and membrane-vesicles. Advanced Drug Delivery Reviews, 2021, 178, 113974.	6.6	65
2926	Superparamagnetic nanoarchitectures: Multimodal functionalities and applications. Journal of Magnetism and Magnetic Materials, 2021, 538, 168300.	1.0	20
2927	A review on anticancer applications of pullulan and pullulan derivative nanoparticles. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100115.	1.6	12
2928	The use of nanotechnology to combat liver cancer: Progress and perspectives. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1876, 188621.	3.3	23
2929	Delivery of therapeutic oligonucleotides in nanoscale. Bioactive Materials, 2022, 7, 292-323.	8.6	29
2930	Self-functional gold nanoprobes for intra-nuclear epigenomic monitoring of cancer stem-like cells. Biosensors and Bioelectronics, 2022, 195, 113644.	5.3	3

#	Article	IF	Citations
2931	Therapeutic platforms based on silicon nanotubes. , 2022, , 207-230.		1
2932	Acid-responsive endosomolytic polymeric nanoparticles with amplification of intracellular oxidative stress for prodrug delivery and activation. Biomaterials Science, 2021, 9, 4613-4629.	2.6	10
2933	Curcumin loaded drug delivery systems in the treatment of Alzheimer's disease. , 2021, , 51-70.		1
2934	Nano drug delivery strategies for the treatment and diagnosis of oral and throat cancers. , 2021, , 75-106.		0
2935	Multi-functional polymeric micelles for chemotherapy-based combined cancer therapy. Journal of Materials Chemistry B, 2021, 9, 8718-8738.	2.9	14
2936	Improving the sensitivity of <i>T</i> ₁ contrast-enhanced MRI and sensitive diagnosing tumors with ultralow doses of MnO octahedrons. Theranostics, 2021, 11, 6966-6982.	4.6	16
2937	Membrane-curvature-mediated co-endocytosis of bystander and functional nanoparticles. Nanoscale, 2021, 13, 9626-9633.	2.8	12
2938	Therapeutic Applications of Noble Metal (Au, Ag, Pt)-Based Nanomedicines for Melanoma. , 2021, , 161-202.		2
2939	Laser activatable perfluorocarbon bubbles for imaging and therapy through enhanced absorption from coupled silica coated gold nanoparticles. RSC Advances, 2021, 11, 4906-4920.	1.7	12
2940	Nanoscale metal–organic frameworks for tumor phototherapy. Journal of Materials Chemistry B, 2021, 9, 3756-3777.	2.9	36
2941	Nanoparticles as Vaccines to Prevent Arbovirus Infection: A Long Road Ahead. Pathogens, 2021, 10, 36.	1.2	17
2942	Boosting Nanomedicine Efficacy with Hyperbaric Oxygen Therapy. Advances in Experimental Medicine and Biology, 2021, 1295, 77-95.	0.8	11
2943	Stealth nanorods <i>via</i> the aqueous living crystallisation-driven self-assembly of poly(2-oxazoline)s. Chemical Science, 2021, 12, 7350-7360.	3.7	35
2944	Mn(<scp>ii</scp>)-Conjugated silica nanoparticles as potential MRI probes. Journal of Materials Chemistry B, 2021, 9, 8994-9004.	2.9	9
2945	Nitroxide-functional PEGylated nanostars arrest cellular oxidative stress and exhibit preferential accumulation in co-cultured breast cancer cells. Journal of Materials Chemistry B, 2021, 9, 7805-7820.	2.9	3
2946	<i>In vivo</i> metabolizable branched poly(ester amide) based on inositol and amino acids as a drug nanocarrier for cancer therapy. Biomaterials Science, 2021, 9, 6555-6567.	2.6	4
2947	Radiolabeling of Gold Nanocages for Potential Applications in Tracking, Diagnosis, and Imageâ€Guided Therapy. Advanced Healthcare Materials, 2021, 10, e2002031.	3.9	16
2948	Effect of core hydrophobicity on the electrophoresis of pH-regulated soft particles. Soft Matter, 2021, 17, 3074-3084.	1.2	6

#	ARTICLE	IF	CITATIONS
2949	MnO ₂ -capped silk fibroin (SF) nanoparticles with chlorin e6 (Ce6) encapsulation for augmented photo-driven therapy by modulating the tumor microenvironment. Journal of Materials Chemistry B, 2021, 9, 3677-3688.	2.9	10
2950	Technological challenges of theranostics in oncology. , 2021, , 307-344.		2
2951	Nanomaterials to target immunity. Advances in Pharmacology, 2021, 91, 293-335.	1.2	3
2952	Conventional Nanosized Drug Delivery Systems for Cancer Applications. Advances in Experimental Medicine and Biology, 2021, 1295, 3-27.	0.8	6
2953	pH-Responsive Redox Nanoparticles Protect SH-SY5Y Cells at Lowered pH in a Cellular Model of Parkinson's Disease. Molecules, 2021, 26, 543.	1.7	8
2955	Multi-component bioresponsive nanoparticles for synchronous delivery of docetaxel and TUBB3 siRNA to lung cancer cells. Nanoscale, 2021, 13, 11414-11426.	2.8	32
2956	Investigation of silicon nanoparticles produced by centrifuge chemical vapor deposition for applications in therapy and diagnostics. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 158, 254-265.	2.0	13
2957	Smart magnetic resonance imaging-based theranostics for cancer. Theranostics, 2021, 11, 8706-8737.	4.6	37
2958	Delivery of Nanoconstructs in Cancer Therapy: Challenges and Therapeutic Opportunities. Advanced Therapeutics, 2021, 4, 2000206.	1.6	18
2959	Protection against proteolysis of a targeting peptide on gold nanostructures. Nanoscale, 2021, 13, 10544-10554.	2.8	5
2960	Design and enhanced gene silencing activity of spherical 2′-fluoroarabinose nucleic acids (FANA-SNAs). Chemical Science, 2021, 12, 2993-3003.	3.7	15
2961	Size-Dependent Penetration of Gold Nanoprobes into Fixed Cells. ACS Omega, 2021, 6, 3791-3799.	1.6	4
2962	Quercetin nanoformulations: a promising strategy for tumor therapy. Food and Function, 2021, 12, 6664-6681.	2.1	46
2963	Electrospun Nanofibers for Cancer Therapy. Advances in Experimental Medicine and Biology, 2021, 1295, 163-190.	0.8	10
2964	Polymeric-Ceramic Nanocomposites Toxicity. , 2021, , 723-742.		0
2965	Modeling Sigmoidal Transients Using Dispersive Kinetic Models to Predict Nanoparticle Size Distributions. Crystal Growth and Design, 2021, 21, 1843-1853.	1.4	2
2966	<scp>Antiâ€ /scp> epithelial cell adhesion molecule <scp>RNA</scp> aptamerâ€conjugated liposomal doxorubicin as an efficient targeted therapy in mice bearing colon carcinoma tumor model. Biotechnology Progress, 2021, 37, e3116.</scp>	1.3	16
2967	Double attack strategy for leukemia using a pre-targeting bispecific antibody (CD20 Ab-mPEG scFv) and actively attracting PEGylated liposomal doxorubicin to enhance anti-tumor activity. Journal of Nanobiotechnology, 2021, 19, 16.	4.2	15

#	Article	IF	CITATIONS
2968	Proniosomal Gel for Topical Delivery of Rutin: Preparation, Physicochemical Characterization and In Vitro Toxicological Profile Using 3D Reconstructed Human Epidermis Tissue and 2D Cells. Antioxidants, 2021, 10, 85.	2.2	18
2969	Understanding intracellular nanoparticle trafficking fates through spatiotemporally resolved magnetic nanoparticle recovery. Nanoscale Advances, 2021, 3, 2397-2410.	2.2	5
2970	A Facile Magnetic Extrusion Method for Preparing Endosomeâ€Derived Vesicles for Cancer Drug Delivery. Advanced Functional Materials, 2021, 31, 2008326.	7.8	23
2971	Constructing a passive targeting and long retention therapeutic nanoplatform based on water-soluble, non-toxic and highly-stable core–shell poly(amino acid) nanocomplexes. Biomaterials Science, 2021, 9, 7065-7075.	2.6	5
2973	Engineering Stimuliâ€Activatable Boolean Logic Prodrug Nanoparticles for Combination Cancer Immunotherapy. Advanced Materials, 2020, 32, e1907210.	11.1	96
2974	NIR Lightâ€Driving Barrierâ€Free Group Rotation in Nanoparticles with an 88.3% Photothermal Conversion Efficiency for Photothermal Therapy. Advanced Materials, 2020, 32, e1907855.	11.1	422
2975	Leveraging Immunotherapy with Nanomedicine. Advanced Therapeutics, 2020, 3, 2000134.	1.6	2
2976	Reactive Oxygen Speciesâ€Regulating Strategies Based on Nanomaterials for Disease Treatment. Advanced Science, 2021, 8, 2002797.	5.6	149
2977	Complexes of Keggin POMs [PM ₁₂ O ₄₀] ^{3â^'} (M=Mo, W) with GlyGlyGly and GlyGlyGly Oligopeptides. European Journal of Inorganic Chemistry, 2021, 2021, 54-61.	1.0	7
2978	Nanobiolistics: An Emerging Genetic Transformation Approach. Methods in Molecular Biology, 2020, 2124, 141-159.	0.4	7
2979	Toxicity Assessment of Nanomaterials. Nanomedicine and Nanotoxicology, 2020, , 383-446.	0.1	5
2980	Implications of Nanotechnology in Cancer Diagnostics and Therapeutics. Nanotechnology in the Life Sciences, 2020, , 271-291.	0.4	1
2981	Delivery of Natural Products Using Polymeric Particles for Cancer Chemotherapeutics. Sustainable Agriculture Reviews, 2020, , 67-112.	0.6	1
2982	ADMETox: Bringing Nanotechnology Closer to Lipinski's Rule of Five. Nanotechnology in the Life Sciences, 2020, , 61-74.	0.4	3
2983	The Use of Nanocarriers to Improve the Efficiency of RNAi-Based Pesticides in Agriculture. , 2020, , 49-68.		18
2984	Excretion and Clearance. Biological and Medical Physics Series, 2018, , 347-368.	0.3	4
2985	Quantitative Methods for Investigating Dissociation of Fluorescently Labeled Lipids from Drug Delivery Liposomes. , 2019, , 333-359.		3
2986	Prospective Advances in Non-coding RNAs Investigation. Advances in Experimental Medicine and Biology, 2020, 1229, 385-426.	0.8	1

#	Article	IF	CITATIONS
2987	Cystine proportion regulates fate of polypeptide nanogel as nanocarrier for chemotherapeutics. Science China Chemistry, 2021, 64, 293-301.	4.2	56
2988	Targeted delivery of nanoparticles. Frontiers of Nanoscience, 2020, 16, 253-264.	0.3	2
2989	The current perspectives of nanoparticles in cellular and organ-specific drug targeting in biological system., 2018,, 105-154.		2
2990	Functionalized nanomaterials for biomedical and agriculture industries. , 2020, , 231-265.		9
2991	Natural-based consumer health nanoproducts: medicines, cosmetics, and food supplements. , 2020, , 527-578.		7
2992	Membrane-core nanoparticles for cancer nanomedicine. Advanced Drug Delivery Reviews, 2020, 156, 23-39.	6.6	53
2993	Albumin coated trimethyl chitosan-based targeting delivery platform for photothermal/chemo-synergistic cancer therapy. Carbohydrate Polymers, 2020, 241, 116335.	5.1	19
2994	Programmable co-assembly of various drugs with temperature sensitive nanogels for optimizing combination chemotherapy. Chemical Engineering Journal, 2020, 398, 125614.	6.6	22
2995	Targeted MMP-2 responsive chimeric polymersomes for therapy against colorectal cancer. Colloids and Surfaces B: Biointerfaces, 2020, 193, 111135.	2.5	50
2996	IR780 loaded sulfobetaine methacrylate-functionalized albumin nanoparticles aimed for enhanced breast cancer phototherapy. International Journal of Pharmaceutics, 2020, 582, 119346.	2.6	26
2997	Co-delivery of paclitaxel and curcumin by biodegradable polymeric nanoparticles for breast cancer chemotherapy. International Journal of Pharmaceutics, 2020, 589, 119875.	2.6	51
2998	Gd-metallofullerenol drug delivery system mediated macrophage polarization enhances the efficiency of chemotherapy. Journal of Controlled Release, 2020, 320, 293-303.	4.8	18
2999	Metal-derived nanoparticles in tumor theranostics: Potential and limitations. Journal of Inorganic Biochemistry, 2020, 209, 111117.	1.5	32
3000	Proteasome activity regulated by charged gold nanoclusters: Implications for neurodegenerative diseases. Nano Today, 2020, 35, 100933.	6.2	10
3001	Hyaluronic Acid-Coated Camptothecin Nanocrystals for Targeted Drug Delivery to Enhance Anticancer Efficacy. Molecular Pharmaceutics, 2020, 17, 2411-2425.	2.3	36
3002	Immunopolymer Lipid Nanoparticles for Delivery of Macromolecules to Antigen-Expressing Cells. ACS Applied Bio Materials, 2020, 3, 8481-8495.	2.3	4
3003	Size-Dependent Encapsulation and Release of dsDNA from Cationic Lyotropic Liquid Crystalline Cubic Phases. ACS Biomaterials Science and Engineering, 2020, 6, 4401-4413.	2.6	13
3004	Facile Preparation of Tilmicosin-Loaded Polymeric Nanoparticle with Controlled Properties and Functions. ACS Omega, 2020, 5, 32366-32372.	1.6	5

#	Article	IF	Citations
3005	Functional nanoparticles through π-conjugated polymer self-assembly. Nature Reviews Materials, 2021, 6, 7-26.	23.3	179
3006	Characterizing microplastic size and morphology of photodegraded polymers placed in simulated moving water conditions. Environmental Sciences: Processes and Impacts, 2020, 22, 398-407.	1.7	66
3007	Co-assembly of curcumin and a cystine bridged peptide to construct tumor-responsive nano-micelles for efficient chemotherapy. Journal of Materials Chemistry B, 2020, 8, 1944-1951.	2.9	16
3008	Gold nanoclusters for biomedical applications: toward <i>in vivo</i> studies. Journal of Materials Chemistry B, 2020, 8, 2216-2232.	2.9	95
3009	Erythrocyte membrane concealed paramagnetic polymeric nanoparticle for contrast-enhanced magnetic resonance imaging. Nanoscale, 2020, 12, 4137-4149.	2.8	28
3010	Nanotheranostic agents for neurodegenerative diseases. Emerging Topics in Life Sciences, 2020, 4, 645-675.	1.1	10
3011	Surfaceâ€functionalised hybrid nanoparticles for targeted treatment of cancer. IET Nanobiotechnology, 2020, 14, 537-547.	1.9	5
3012	Molecular micromanagement: DNA nanotechnology establishes spatio-temporal control for precision medicine. Biophysics Reviews, 2020, 1, 011305.	1.0	4
3013	Systemically delivered antibody-labeled magnetic iron oxide nanoparticles are less toxic than plain nanoparticles when activated by alternating magnetic fields. International Journal of Hyperthermia, 2020, 37, 59-75.	1.1	4
3014	Reduction-responsive sulfur dioxide polymer prodrug nanoparticles loaded with irinotecan for combination osteosarcoma therapy. Nanotechnology, 2020, 31, 455101.	1.3	7
3015	Investigation of magnetically driven passage of magnetic nanoparticles through eye tissues for magnetic drug targeting. Nanotechnology, 2020, 31, 495101.	1.3	14
3016	Enhanced antitumor effect via amplified oxidative stress by near-infrared light-responsive and folate-targeted nanoplatform. Nanotechnology, 2021, 32, 035102.	1.3	4
3020	X-ray ptychographic mode of self-assembled CdSe/CdS octapod-shaped nanocrystals in thick polymers. Journal of Applied Crystallography, 2020, 53, 741-747.	1.9	2
3021	Noninvasive and real-time pharmacokinetics imaging of polymeric nanoagents in the thoracoepigastric vein networks of living mice. Journal of Biomedical Optics, 2019, 24, 1.	1.4	2
3022	Targeted delivery of immune therapeutics to lymph nodes prolongs cardiac allograft survival. Journal of Clinical Investigation, 2018, 128, 4770-4786.	3.9	59
3023	Anti-Epcam Aptamer (Syl3c)-Functionalized Liposome for Targeted Delivery Of Doxorubicin: In Vitro And In Vivo Antitumor Studies in Mice Bearing C26 Colon Carcinoma. Nanoscale Research Letters, 2020, 15, 101.	3.1	52
3024	Molecular photoacoustic imaging with ultra-small gold nanoparticles. Biomedical Optics Express, 2019, 10, 3472.	1.5	46
3025	Broadband forward scattering from dielectric cubic nanoantenna in lossless media. Optics Express, 2019, 27, 10924.	1.7	54

#	Article	IF	CITATIONS
3026	A refined model of claudin-15 tight junction paracellular architecture by molecular dynamics simulations. PLoS ONE, 2017, 12, e0184190.	1.1	41
3027	The quaternary state of polymerized human hemoglobin regulates oxygenation of breast cancer solid tumors: A theoretical and experimental study. PLoS ONE, 2018, 13, e0191275.	1.1	24
3029	Review: Organic nanoparticle based active targeting for photodynamic therapy treatment of breast cancer cells. Oncotarget, 2020, 11, 2120-2136.	0.8	33
3030	Physically Targeted Intravenous Polyurethane Nanoparticles for Controlled Release of Atorvastatin Calcium. Iranian Biomedical Journal, 2017, 21, 369-79.	0.4	3
3031	Cancer drug resistance: rationale for drug delivery systems and targeted inhibition of HSP90 family proteins. , 2019, 2, 381-398.		2
3032	Nanosafety: Towards Safer Nanoparticles by Design. Current Medicinal Chemistry, 2018, 25, 4587-4601.	1.2	19
3033	Exosome-like Nanovectors for Drug Delivery in Cancer. Current Medicinal Chemistry, 2019, 26, 6132-6148.	1.2	83
3034	Recent Progresses in Organic-Inorganic Nano Technological Platforms for Cancer Therapeutics. Current Medicinal Chemistry, 2020, 27, 6015-6056.	1.2	10
3035	Nanoparticles in Combating Cancer: Opportunities and Limitations: A Brief Review. Current Medicinal Chemistry, 2020, 28, 346-359.	1.2	38
3036	Lipid-Based Vectors for Therapeutic mRNA-Based Anti-Cancer Vaccines. Current Pharmaceutical Design, 2019, 25, 1443-1454.	0.9	39
3037	Nano-Inspired Technologies for Peptide Delivery. Current Protein and Peptide Science, 2020, 21, 379-400.	0.7	6
3038	Efficient Delivery of Antisense Oligonucleotides by an Amphipathic Cell-Penetrating Peptide in Acinetobacter baumannii. Current Drug Delivery, 2019, 16, 728-736.	0.8	6
3039	Matrix Metalloproteinases (MMPs) in Targeted Drug Delivery: Synthesis of a Potent and Highly Selective Inhibitor against Matrix Metalloproteinase-7. Current Topics in Medicinal Chemistry, 2020, 20, 2459-2471.	1.0	6
3040	Nanoparticles as Budding Trends in Colon Drug Delivery for the Management of Ulcerative Colitis. Current Nanomedicine, 2020, 10, 225-247.	0.2	5
3041	Cellulose nanocrystals: a multimodal tool to enhance the targeted drug delivery against bone disorders. Nanomedicine, 2020, 15, 2271-2285.	1.7	5
3042	Carbon nanoparticles as transporters of melittin to glioma grade IV U87 cells in in vitro model. Annals of Warsaw University of Life Sciences - SGGW - Animal Science, 2017, 56, 23-32.	0.1	2
3043	Copper-64 labeled nanoparticles for positron emission tomography imaging: a review of the recent literature. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2020, 64, 346-355.	0.4	6
3044	Targeted Drug Delivery in Lipid-like Nanocages and Extracellular Vesicles. Acta Naturae, 2019, 11, 28-41.	1.7	17

#	Article	IF	Citations
3045	Role of Immunosuppressive Microenvironment in Acquiring Immunotolerance Post-Photothermal Therapy. Journal of Korean Medical Science, 2019, 34, e272.	1.1	8
3046	Research Progress and Prospect of Nanoplatforms for Treatment of Oral Cancer. Frontiers in Pharmacology, 2020, 11, 616101.	1.6	12
3047	Micro- to Nanoscale Bio-Hybrid Hydrogels Engineered by Ionizing Radiation. Biomolecules, 2021, 11, 47.	1.8	6
3048	Safe Nanoparticles: Are We There Yet?. International Journal of Molecular Sciences, 2021, 22, 385.	1.8	191
3049	Variably Sized and Multi-Colored Silica-Nanoparticles Characterized by Fluorescence Correlation Methods for Cellular Dynamics. Materials, 2021, 14, 19.	1.3	5
3050	Prunus spinosa Extract Loaded in Biomimetic Nanoparticles Evokes In Vitro Anti-Inflammatory and Wound Healing Activities. Nanomaterials, 2021, 11, 36.	1.9	17
3051	A facile adenosine triphosphateâ€'responsive nanoplatform for efficacious therapy of esophageal cancer. Oncology Letters, 2020, 20, 1-1.	0.8	6
3052	Caffeic acid phenethyl ester (CAPE): cornerstone pharmacological studies and drug delivery systems. Pharmacia, 2019, 66, 223-231.	0.4	7
3053	Drug delivery from engineered organisms and nanocarriers as monitored by multimodal imaging technologies. AIMS Bioengineering, 2017, 4, 198-222.	0.6	4
3054	Colloidal stability of liposomes. AIMS Materials Science, 2019, 6, 200-213.	0.7	25
3055	Monobodies as possible next-generation protein therapeutics $\hat{a} \in \hat{a}$ a perspective. Swiss Medical Weekly, 2017, 147, w14545.	0.8	11
3056	Molecular simulation of interaction between charged nanoparticles and phase-separated biomembranes containning charged lipids. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 028701.	0.2	6
3057	Virus-inspired nanosystems for drug delivery. Nanoscale, 2021, 13, 18912-18924.	2.8	15
3060	Interaction of nanoparticles with lipid films: the role of symmetry and shape anisotropy. Physical Chemistry Chemical Physics, 2022, 24, 2762-2776.	1.3	11
3061	Nanotechnology Application and Intellectual Property Right Prospects of Mammalian Cell Culture. Biochemistry, 0, , .	0.8	1
3062	Therapeutic melanoma inhibition by local micelle-mediated cyclic nucleotide repression. Nature Communications, 2021, 12, 5981.	5.8	13
3063	Review: Development of SARS-CoV-2 immuno-enhanced COVID-19 vaccines with nano-platform. Nano Research, 2022, 15, 2196-2225.	5.8	8
3064	Complete pH-Dependent Shape Recovery in Cubical Hydrogel Capsules after Large Osmotic Deformations. Macromolecules, 2021, 54, 9712-9723.	2.2	5

#	Article	IF	Citations
3065	Recent advances in targeted stimuli-responsive nano-based drug delivery systems combating atherosclerosis. Chinese Chemical Letters, 2022, 33, 1705-1717.	4.8	29
3066	Influence of the media ionic strength on the formation and in vitro biological performance of polycation-DNA complexes. Journal of Molecular Liquids, 2021, 344, 117930.	2.3	2
3067	Machine Learningâ€Driven Biomaterials Evolution. Advanced Materials, 2022, 34, e2102703.	11.1	68
3068	Self-Assembled Nanoparticles Based on Block-Copolymers of Poly(2-Deoxy-2-methacrylamido-d-glucose)/Poly(N-Vinyl Succinamic Acid) with Poly(O-Cholesteryl) Tj ETQq1 1 0.7 22. 11457.	'84314 rgl 1.8	BT_/Overlock
3069	Hydroxyapatite Nanoparticles in Drug Delivery: Physicochemistry and Applications. Pharmaceutics, 2021, 13, 1642.	2.0	71
3070	Converting extracellular vesicles into nanomedicine: loading and unloading of cargo. Materials Today Nano, 2021, 16, 100148.	2.3	19
3071	Gold nanoparticles (GNPs) in biomedical and clinical applications: A review. Nano Select, 2022, 3, 792-828.	1.9	62
3072	Stiffness of targeted layer-by-layer nanoparticles impacts elimination half-life, tumor accumulation, and tumor penetration. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	34
3073	Nanomaterial Strategies for Delivery of Therapeutic Cargoes. Advanced Functional Materials, 2022, 32, 2107174.	7.8	9
3074	Supramolecular Organization of Polymer Prodrug Nanoparticles Revealed by Coarse-Grained Simulations. Journal of the American Chemical Society, 2021, 143, 17412-17423.	6.6	18
3075	Recent advancements and future submissions of silica core-shell nanoparticles. International Journal of Pharmaceutics, 2021, 609, 121173.	2.6	17
3076	Selfâ€Catalytic Small Interfering RNA Nanocarriers for Synergistic Treatment of Neurodegenerative Diseases. Advanced Materials, 2022, 34, e2105711.	11.1	30
3077	Multifunctional Nanosystems with Enhanced Cellular Uptake for Tumor Therapy. Advanced Healthcare Materials, 2022, 11, e2101703.	3.9	5
3078	Bottomâ€Up versus Topâ€Down Strategies for Morphology Control in Polymerâ€Based Biomedical Materials. Advanced NanoBiomed Research, 2022, 2, 2100087.	1.7	15
3079	Design and Preparation of "corn-like―SPIONs@DFK-SBP-M13 Assembly for Improvement of Effective Internalization. International Journal of Nanomedicine, 2021, Volume 16, 7091-7102.	3.3	3
3080	Hepatotoxic and Neurotoxic Potential of Iron Oxide Nanoparticles in Wistar Rats: a Biochemical and Ultrastructural Study. Biological Trace Element Research, 2022, 200, 3638-3665.	1.9	8
3081	Tumor Microenvironment Modulating Functional Nanoparticles for Effective Cancer Treatments. Tissue Engineering and Regenerative Medicine, 2022, 19, 205-219.	1.6	14
3082	Strong Penetrationâ€Induced Effective Photothermal Therapy by Exosomeâ€Mediated Black Phosphorus Quantum Dots. Small, 2021, 17, e2104585.	5.2	23

#	Article	IF	CITATIONS
3083	Enzyme Therapeutic for Ischemia and Reperfusion Injury in Organ Transplantation. Advanced Materials, 2022, 34, e2105670.	11.1	11
3084	Precise Subcellular Organelle Targeting for Boosting Endogenousâ€Stimuliâ€Mediated Tumor Therapy. Advanced Materials, 2021, 33, e2101572.	11.1	47
3085	Nanoparticles approach to eradicate bacterial biofilm-related infections: A critical review. Chemosphere, 2022, 288, 132603.	4.2	21
3086	Active Targeting Significantly Outperforms Nanoparticle Size in Facilitating Tumor-Specific Uptake in Orthotopic Pancreatic Cancer. ACS Applied Materials & Samp; Interfaces, 2021, 13, 49614-49630.	4.0	21
3087	Do Lipid-based Nanoparticles Hold Promise for Advancing the Clinical Translation of Anticancer Alkaloids?. Cancers, 2021, 13, 5346.	1.7	11
3088	Nanomedicines in B cell-targeting therapies. Acta Biomaterialia, 2022, 137, 1-19.	4.1	9
3089	Inorganic Nanoparticles: Toxic Effects, Mechanisms of Cytotoxicity and Phytochemical Interactions. Advanced Pharmaceutical Bulletin, 2021, , .	0.6	2
3090	Kinetic Modeling to Accelerate the Development of Nucleic Acid Formulations. ACS Nano, 2021, 15, 16055-16066.	7.3	4
3091	The Use of Calcium Phosphates in Cosmetics, State of the Art and Future Perspectives. Materials, 2021, 14, 6398.	1.3	24
3092	Arabic gum plus colistin coated moxifloxacin-loaded nanoparticles for the treatment of bone infection caused by Escherichia coli. Acta Biomaterialia, 2022, 137, 218-237.	4.1	22
3093	Amphiphilic AlEgenâ€polymer aggregates: Design, selfâ€assembly and biomedical applications. Aggregate, 2022, 3, e128.	5.2	49
3094	Thermoresponsive Chitosan-Grafted-Poly(N-vinylcaprolactam) Microgels via Ionotropic Gelation for Oncological Applications. Pharmaceutics, 2021, 13, 1654.	2.0	9
3095	Tumor Microenvironment–Responsive Polypeptide Nanogels for Controlled Antitumor Drug Delivery. Frontiers in Pharmacology, 2021, 12, 748102.	1.6	4
3096	Poly(2-ethyl-2-oxazoline) functionalized reduced graphene oxide: Optimization of the reduction process using dopamine and application in cancer photothermal therapy. Materials Science and Engineering C, 2021, 130, 112468.	3.8	11
3097	Drug-eluting immune checkpoint blockade antibody-nanoparticle conjugate enhances locoregional and systemic combination cancer immunotherapy through T lymphocyte targeting. Biomaterials, 2021, 279, 121184.	5.7	10
3098	Delivering more for less: nanosized, minimal-carrier and pharmacoactive drug delivery systems. Advanced Drug Delivery Reviews, 2021, 179, 113994.	6.6	39
3099	Enhancing skin permeation of nanoemulsions through associative polymeric micelles-mediated drop-to-skin dipolar interactions. Journal of Molecular Liquids, 2021, 344, 117741.	2.3	3
3100	HEPATIC TARGETING – ADDRESSING VITAL THERAPEUTIC NEEDS. Indian Drugs, 2015, 52, 7-15.	0.1	2

#	Article	IF	CITATIONS
3101	Tuning a Model Drug Delivery System for Size and Loading Capacity. , 0, , .		0
3102	Performance limits of single nano-object detection with optical fiber tapers. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 1833.	0.9	1
3103	Dosimetry of 175 Ytterbium-poly (amidoamine) therapy for humans' organs. Journal of Medical Physics, 2018, 43, 173.	0.1	1
3104	Dual-radiolabeled nanoparticle probes for depth-independent in vivo imaging of enzyme activation. , 2018, , .		0
3106	The potential of enhancement of the EPR effect by modulation of microvascular permeability by the combination of ultrasound and microbubbles. Drug Delivery System, 2018, 33, 115-122.	0.0	0
3108	Biological Events and Barriers to Effective Delivery of Cancer Therapeutics. Bioanalysis, 2019, , 13-31.	0.1	0
3109	Toll-Like Receptor-Mediated Endocytosis in Infectious Disease. AAPS Advances in the Pharmaceutical Sciences Series, 2019, , 323-349.	0.2	1
3110	Liposome Delivery of Natural STAT3 Inhibitors for the Treatment of Cancer., 2019, 1, .		1
3111	Immunotherapy with mRNA vaccination and immunomodulation nanomedicine for cancer therapy. , 2019, , $551-600$.		0
3112	Stromal Barriers Within the Tumor Microenvironment and Obstacles to Nanomedicine., 2019,, 57-89.		3
3114	New Technologies in Drug Development Provide New Hope in Targeting of Dysregulated Redox Signalling in Cardiovascular Disease., 2019,, 505-532.		0
3115	Drug Encapsulation and Nanocarriers for Targeted Delivery in Animals. , 2019, , 397-436.		3
3117	Molecular Modeling and Drug Design Techniques in Microbial Drug Discovery., 2019,, 185-231.		0
3119	The Photopolymer Science and Technology Award. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2019, 32, 7-9.	0.1	0
3122	Curcumin., 2020,, 51-63.		1
3123	Nanoparticle Design to Improve Transport Across the Intestinal Barrier. Environmental Chemistry for A Sustainable World, 2020, , 271-315.	0.3	0
3125	Nanocarriers(s) Based Approaches in Cancer Therapeutics. Current Nanomedicine, 2020, 10, 130-148.	0.2	1
3128	Targeting the Inside of Cells with Biologicals: Chemicals as a Delivery Strategy. BioDrugs, 2021, 35, 643-671.	2.2	8

#	Article	IF	CITATIONS
3129	Current views in chronic obstructive pulmonary disease pathogenesis and management. Saudi Pharmaceutical Journal, 2021, 29, 1361-1373.	1.2	15
3130	Systemic and Local Silk-Based Drug Delivery Systems for Cancer Therapy. Cancers, 2021, 13, 5389.	1.7	18
3131	Gold nanoparticles loaded into niosomes: A novel approach for enhanced antitumor activity against human ovarian cancer. Advanced Powder Technology, 2021, 32, 4711-4722.	2.0	30
3132	RGD engineered dendrimer nanotherapeutic as an emerging targeted approach in cancer therapy. Journal of Controlled Release, 2021, 340, 221-242.	4.8	62
3133	2D Nanosheetsâ€"A New Class of Therapeutic Formulations against Cancer. Pharmaceutics, 2021, 13, 1803.	2.0	12
3134	Intra-Organ Delivery of Nanotherapeutics for Organ Transplantation. ACS Nano, 2021, 15, 17124-17136.	7.3	12
3135	Dendrimerâ€Like Supramolecular Assembly of Proteins with a Tunable Size and Valency Through Stepwise Iterative Growth. Advanced Science, 2021, 8, e2102991.	5.6	5
3136	Hyaluronate-Thiol Passivation Enhances Gold Nanoparticle Peritumoral Distribution When Administered Intratumorally in Lung Cancer. Biomedicines, 2021, 9, 1561.	1.4	2
3137	Nano drug delivery systems improve metastatic breast cancer therapy. Medical Review, 2021, 1, 244-274.	0.3	4
3138	RNA and Protein Delivery by Cellâ€Secreted and Bioengineered Extracellular Vesicles. Advanced Healthcare Materials, 2022, 11, e2101557.	3.9	5
3139	Rationally designed modular drug delivery platform based on intracellular peptide selfâ€assembly. Exploration, 2021, 1, 20210153.	5.4	42
3140	Current understandings and clinical translation of nanomedicines for breast cancer therapy. Advanced Drug Delivery Reviews, 2022, 180, 114034.	6.6	32
3141	Design principles and biological applications of red-emissive two-photon carbon dots. Communications Materials, 2021, 2, .	2.9	29
3142	Genotoxicity Assessment of Metal-Based Nanocomposites Applied in Drug Delivery. Materials, 2021, 14, 6551.	1.3	4
3143	Toward Quantitative Nanothermometry Using Single-Molecule Counting. Journal of Physical Chemistry B, 2021, 125, 12197-12205.	1.2	7
3144	pH-sensitive doxorubicin-tocopherol succinate prodrug encapsulated in docosahexaenoic acid-based nanostructured lipid carriers: An effective strategy to improve pharmacokinetics and reduce toxic effects. Biomedicine and Pharmacotherapy, 2021, 144, 112373.	2.5	8
3145	Surface-Modified Nanodrug Carriers for Brain Cancer Treatment. Neuromethods, 2021, , 127-144.	0.2	2
3146	Silicaâ€Based Nanoparticles as Drug Delivery Vehicles for Prostate Cancer Treatment. Chemical Record, 2021, 21, 1535-1568.	2.9	12

#	Article	IF	CITATIONS
3147	A quinolone derivative-based organoplatinum(II) metallacycle supramolecular self-delivery nanocarrier for combined cancer therapy. Supramolecular Chemistry, 2020, 32, 597-604.	1.5	3
3148	Chitosan-based drug delivery systems in cancer therapeutics. , 2022, , 159-193.		4
3149	Nanomedicines and Nanodrug Delivery Systems: Trends and Perspectives. , 2020, , 99-141.		3
3150	Passive targeting of high-grade gliomas <i>via</i> the EPR effect: a closed path for metallic nanoparticles?. Biomaterials Science, 2021, 9, 7984-7995.	2.6	31
3151	Nanopharmacology Intervention in Human Pathological Diseases. , 2020, , 123-139.		0
3152	Biocompatible Fluorescent Nanomaterials for Molecular Imaging Applications. , 2020, , 27-53.		1
3153	Recent Developments in Nanocarrier-Based Nutraceuticals for Therapeutic Purposes., 2020,, 371-391.		2
3154	Green Synthesis of Nanoparticles and Their Application in Cancer Therapy., 2020, , 163-197.		5
3155	Stimuli-Responsive Self-Assembly Based on Macrocyclic Hosts and Biomedical Applications. , 2020, , 603-646.		1
3156	Measuring the size and zeta potential of nanoparticles with a salt gradient. , 2020, , .		0
3157	Polymeric-Ceramic Nanocomposites Toxicity. , 2020, , 1-20.		0
3158	Drug delivery nanosystems for musculoskeletal regeneration. , 2020, , 77-103.		0
3159	Recent Advances in the Emergence of Nanorobotics in Medicine. , 2020, , 119-148.		0
3160	Bio-Nano-Interface Engineering Strategies of AuNPs Passivation for Next-Generation Biomedical Applications., 2020,, 215-231.		13
3161	Nanoscale covalent organic frameworks: from controlled synthesis to cancer therapy. Chemical Communications, 2021, 57, 12417-12435.	2.2	18
3162	Development of Natural Polysaccharide–Based Nanoparticles of Berberine to Enhance Oral Bioavailability: Formulation, Optimization, Ex Vivo, and In Vivo Assessment. Polymers, 2021, 13, 3833.	2.0	24
3163	BH3-mimetics: recent developments in cancer therapy. Journal of Experimental and Clinical Cancer Research, 2021, 40, 355.	3.5	34
3164	Multifunctional Nanoaggregates Composed of Active CPUL1 and a Triphenylphosphine Derivative for Mitochondria†Targeted Drug Delivery and Cell Imaging. ChemMedChem, 2022, 17, .	1.6	2

#	Article	IF	Citations
3165	A review on nanotechnology: Properties, applications, and mechanistic insights of cellular uptake mechanisms. Journal of Molecular Liquids, 2022, 348, 118008.	2.3	50
3166	Multicellular Ovarian Cancer Model for Evaluation of Nanovector Delivery in Ascites and Metastatic Environments. Pharmaceutics, 2021, 13, 1891.	2.0	6
3167	Nature-inspired dynamic gene-loaded nanoassemblies for the treatment of brain diseases. Advanced Drug Delivery Reviews, 2022, 180, 114029.	6.6	9
3168	Improved In Vivo Delivery of Small RNA Based on the Calcium Phosphate Method. Journal of Personalized Medicine, 2021, 11, 1160.	1.1	6
3170	Novel Methotrexate-Ciprofloxacin Loaded Alginate-Clay Based Nanocomposite as Anticancer and Antibacterial Co-Drug Delivery System. Advanced Pharmaceutical Bulletin, 2021, 11, 477-489.	0.6	11
3171	Biosafety and biocompatibility assessment of Prussian blue nanoparticles <i>in vitro</i> and <i>in vivo</i> . Nanomedicine, 2020, 15, 2655-2670.	1.7	26
3172	An introduction of a new generation of Proticles. Makedonsko Farmacevtski Bilten, 2020, 66, 121-122.	0.0	2
3173	Bioactive Nanoparticles Synthesized By Green Method. Black Sea Journal of Engineering and Science, 2021, 4, 29-42.	0.3	4
3175	Calcium-binding nanoparticles for vascular disease. Regenerative Engineering and Translational Medicine, 2019, 5, 74-85.	1.6	4
3178	Targeting to Brain Tumor: Nanocarrier-Based Drug Delivery Platforms, Opportunities, and Challenges. Journal of Pharmacy and Bioallied Sciences, 2021, 13, 172-177.	0.2	1
3179	Tuning of silica nanoparticle–lysozyme protein complexes in the presence of the SDS surfactant. Soft Matter, 2022, 18, 434-445.	1.2	4
3180	Bio-inspired nanoparticles as drug delivery vectors. , 2022, , 499-528.		0
3181	Engineered strategies to enhance tumor penetration of drug-loaded nanoparticles. Journal of Controlled Release, 2022, 341, 227-246.	4.8	65
3182	Perspectives on the Influence of Crystal Size and Morphology on the Properties of Porous Framework Materials. Frontiers in Chemistry, 2021, 9, 772059.	1.8	11
3183	A Peptide/MicroRNA-31 nanomedicine within an electrospun biomaterial designed to regenerate wounds in vivo. Acta Biomaterialia, 2022, 138, 285-300.	4.1	6
3184	An Efficient Carbonâ€Based Drug Delivery System for Cancer Therapy through the Nucleus Targeting and Mitochondria Mediated Apoptotic Pathway. Small Methods, 2021, 5, e2100539.	4.6	15
3185	Targeted Delivery of Chloroquine to Antigen-Presenting Cells Enhances Inhibition of the Type I Interferon Response. ACS Biomaterials Science and Engineering, 2021, 7, 5666-5677.	2.6	4
3186	Fascin in Gynecological Cancers: An Update of the Literature. Cancers, 2021, 13, 5760.	1.7	7

#	Article	IF	CITATIONS
3187	Application of Polymeric Nanocarriers for Enhancing the Bioavailability of Antibiotics at the Target Site and Overcoming Antimicrobial Resistance. Applied Sciences (Switzerland), 2021, 11, 10695.	1.3	16
3188	Silencing of Pyruvate Kinase M2 <i>via</i> a Metal–Organic Framework Based Theranostic Gene Nanomedicine for Triple-Negative Breast Cancer Therapy. ACS Applied Materials & amp; Interfaces, 2021, 13, 56972-56987.	4.0	13
3189	Reduction-Sensitive Dextran–Paclitaxel Polymer–Drug Conjugate: Synthesis, Self-Assembly into Nanoparticles, and In Vitro Anticancer Efficacy. Bioconjugate Chemistry, 2021, 32, 2516-2529.	1.8	16
3190	The Advances of Neutrophil-Derived Effective Drug Delivery Systems: A Key Review of Managing Tumors and Inflammation. International Journal of Nanomedicine, 2021, Volume 16, 7663-7681.	3.3	25
3191	Codelivery of Paclitaxel and Parthenolide in Discoidal Bicelles for a Synergistic Anticancer Effect: Structure Matters. Advanced NanoBiomed Research, 2022, 2, 2100080.	1.7	12
3192	Biocompatible FePO4 Nanoparticles: Drug Delivery, RNA Stabilization, and Functional Activity. Nanoscale Research Letters, 2021, 16, 169.	3.1	3
3193	Thiolated Nanoparticles for Biomedical Applications: Mimicking the Workhorses of Our Body. Advanced Science, 2022, 9, e2102451.	5.6	29
3194	Multifunctional Magnetic Nanomedicine Drug Delivery and Imagingâ€Based Diagnostic Systems. Particle and Particle Systems Characterization, 2021, 38, 2100179.	1.2	5
3195	Role of lipid Nanoparticles in COVID-19 inrepurposing drugs and vaccines. Current Nanoscience, 2021, 17, .	0.7	0
3196	An updated review of folate-functionalized nanocarriers: A promising ligand in cancer. Drug Discovery Today, 2022, 27, 471-489.	3.2	38
3197	Biosynthesis of selenium nanoparticles by <i>Aspergillus flavus</i> and <i>Candida albicans</i> for antifungal applications. Micro and Nano Letters, 2021, 16, 656-669.	0.6	18
3198	Controlled Transdermal Iontophoresis of Insulin from Water-Soluble Polypyrrole Nanoparticles: An In Vitro Study. International Journal of Molecular Sciences, 2021, 22, 12479.	1.8	12
3199	Microfluidic nanomaterials: From synthesis to biomedical applications. Biomaterials, 2022, 280, 121247.	5.7	35
3200	<i>In Vitro</i> Neuroprotective Effects of Macrophage Membrane-Derived Curcumin-Loaded Carriers against 1-Methyl-4-phenylpyridinium-Induced Neuronal Damage. ACS Omega, 2021, 6, 32133-32141.	1.6	5
3201	Self-Assembling Peptides: From Design to Biomedical Applications. International Journal of Molecular Sciences, 2021, 22, 12662.	1.8	41
3202	Polymeric nanocarriers: A promising tool for early diagnosis and efficient treatment of colorectal cancer. Journal of Advanced Research, 2022, 39, 237-255.	4.4	33
3203	Polymeric Matrix-Based Nanoplatforms toward Tumor Therapy and Diagnosis., 2022, 4, 21-48.		12
3204	Biocompatible N-acetyl-nanoconstruct alleviates lipopolysaccharide-induced acute lung injury in vivo. Scientific Reports, 2021, 11, 22662.	1.6	4

#	ARTICLE	IF	CITATIONS
3205	Phytoplankton Mediated Nanoparticles for Cancer Therapy., 2022, , 143-159.		1
3206	Biomimetic Nanomaterials Triggered Ferroptosis for Cancer Theranostics. Frontiers in Chemistry, 2021, 9, 768248.	1.8	11
3207	Modulating intracellular pathways to improve non-viral delivery of RNA therapeutics. Advanced Drug Delivery Reviews, 2022, 181, 114041.	6.6	26
3208	Neural Cell Membrane-Coated Nanoparticles for Targeted and Enhanced Uptake by Central Nervous System Cells. ACS Applied Materials & System Cells. ACS Applied Materials & System Cells. ACS Applied Materials & System Cells.	4.0	13
3209	Emerging Role of miR-345 and Its Effective Delivery as a Potential Therapeutic Candidate in Pancreatic Cancer and Other Cancers. Pharmaceutics, 2021, 13, 1987.	2.0	3
3210	Advances in the Application of Nanomaterials as Treatments for Bacterial Infectious Diseases. Pharmaceutics, 2021, 13, 1913.	2.0	9
3211	Precise Control of Shape-Variable Nanomicelles in Nanofibers Reveals the Enhancement Mechanism of Passive Delivery. ACS Applied Materials & Samp; Interfaces, 2021, 13, 54715-54726.	4.0	3
3212	Engineering DNA on the Surface of Upconversion Nanoparticles for Bioanalysis and Therapeutics. ACS Nano, 2021, 15, 17257-17274.	7.3	39
3213	Biomimetic neutrophil and macrophage dual membrane-coated nanoplatform with orchestrated tumor-microenvironment responsive capability promotes therapeutic efficacy against glioma. Chemical Engineering Journal, 2022, 433, 133848.	6.6	23
3214	Toxicity of manufactured nanomaterials. Particuology, 2022, 69, 31-48.	2.0	63
3215	Reversible Shielding and Immobilization of Liposomes and Viral Vectors by Tailored Antibody‣igand Interactions. Small, 2022, 18, e2105157.	5.2	3
3216	Preparation, characterization, and in vivo biodistribution study of intranasal 131I-clonazepam-loaded phospholipid magnesome as a promising brain delivery system. European Journal of Pharmaceutical Sciences, 2022, 169, 106089.	1.9	7
3217	Phenylboronic Acid Modification Augments the Lysosome Escape and Antitumor Efficacy of a Cylindrical Polymer Brush-Based Prodrug. Journal of the American Chemical Society, 2021, 143, 20927-20938.	6.6	45
3218	Smart drug delivery of p-Coumaric acid loaded aptamer conjugated starch nanoparticles for effective triple-negative breast cancer therapy. International Journal of Biological Macromolecules, 2022, 195, 22-29.	3.6	31
3219	Gold Nanoparticles as Potential Antitumor Agents (Review). Pharmaceutical Chemistry Journal, 0, , 1.	0.3	1
3220	Radiolabeled porous silicon for nuclear imaging and theranostic applications. , 2021, , 223-253.		1
3221	Coating polymers on nanoparticles for biomedical uses. , 2021, , .		0
3222	Covalent Organic Framework as a Novel Osteoinductive Biomaterial Promotes Osteogenic Differentiation of Bone Marrow Mesenchymal Stem Cells via Activation of Wnt/β-Catenin Pathway. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	CITATIONS
3223	Consumer Nanoproducts: A Brief Introduction. , 2021, , 1-15.		0
3224	Anti-Cancer Activity of Sustained Release Capsaicin Formulations. SSRN Electronic Journal, 0, , .	0.4	0
3225	Review: RNA-Based Diagnostic Markers Discovery and Therapeutic Targets Development in Cancer. SSRN Electronic Journal, 0, , .	0.4	0
3226	Polymeric PD-L1 blockade nanoparticles for cancer photothermal-immunotherapy. Biomaterials, 2022, 280, 121312.	5.7	28
3227	Perfluorocarbon Emulsion Contrast Agents: A Mini Review. Frontiers in Chemistry, 2021, 9, 810029.	1.8	13
3228	Charge reversal nano-systems for tumor therapy. Journal of Nanobiotechnology, 2022, 20, 31.	4.2	49
3229	Membrane Cholesterol Enrichment of Red Blood Cell-Derived Microparticles Results in Prolonged Circulation. ACS Applied Bio Materials, 2022, 5, 650-660.	2.3	9
3230	A comprehensive review on immuno-nanomedicine for breast cancer therapy: Technical challenges and troubleshooting measures. International Immunopharmacology, 2022, 103, 108433.	1.7	3
3231	Pegylated liposomal encapsulation improves the antitumor efficacy of combretastatin A4 in murine 4T1 triple-negative breast cancer model. International Journal of Pharmaceutics, 2022, 613, 121396.	2.6	19
3232	Fine-tuning of polyaspartamide derivatives with alicyclic moieties for systemic mRNA delivery. Journal of Controlled Release, 2022, 342, 148-156.	4.8	10
3233	The anti-tumor effects of CT-26 derived exosomes enriched by MicroRNA-34a on murine model of colorectal cancer. Life Sciences, 2022, 290, 120234.	2.0	12
3234	Hydroxyapatite-binding albumin nanoclusters for enhancing bone tumor chemotherapy. Journal of Controlled Release, 2022, 342, 111-121.	4.8	15
3235	The other side to the use of active targeting ligands; the case of folic acid in the targeting of breast cancer. Colloids and Surfaces B: Biointerfaces, 2022, 211, 112289.	2.5	8
3236	Polymersomes as a potential platform for cancer immunotherapy. Materials Today Advances, 2022, 13, 100203.	2.5	13
3237	Tumor reduction-sensitive self-delivery molecular prodrug nanomedicine for enhancing the therapeutic efficacy of chemotherapy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 636, 128106.	2.3	1
3238	Controlling local relaxation in small clusters of magnetic nanoparticles. Physica B: Condensed Matter, 2022, 628, 413610.	1.3	1
3239	Understanding the self-assembly of the polymeric drug solubilizer Soluplus \hat{A}^{\otimes} . Journal of Colloid and Interface Science, 2022, 611, 224-234.	5.0	8
3240	Application of nanotechnology in medical diagnosis and imaging. Current Opinion in Biotechnology, 2022, 74, 241-246.	3.3	33

#	Article	IF	CITATIONS
3241	Regulatory and Commercialization Challenges with Stimuli-responsive Nanomedicines. Biomaterials Science Series, 2018, , 335-354.	0.1	0
3242	Influence of Surface Moieties on Nanomechanical Properties of Gold Nanoparticles Using Atomic Force Microscopy. SSRN Electronic Journal, 0, , .	0.4	0
3243	Fibrotic elements within the tumor microenvironment and its implications for nano-drug delivery systems. Drug Delivery System, 2021, 36, 232-240.	0.0	0
3244	Mesoporous Silica Nanoparticles for Combined Delivery of Polo-Like Kinase 1 (PLK1) and Epidermal Growth Factor Receptor (EGFR) Inhibitors Enhances Radio Sensibility in Non-Small Cell Lung Cancer. Science of Advanced Materials, 2021, 13, 1849-1857.	0.1	3
3245	Nanoparticle Preparation Using Microfluidics for Drug Delivery. , 2021, , .		0
3246	Superparamagnetic Iron Oxide Nanoparticles Directed miRNA-34b-RNA-Binding Proteins T Cell to Restrict Intracellular Antigen-1-Stress Granules (TIA-1-SG) in Breast Cancer Chemotherapy. Science of Advanced Materials, 2021, 13, 1865-1871.	0.1	1
3247	A site-oriented nanosystem for active transcellular chemo-immunotherapy to prevent tumor growth and metastasis. Science China Materials, 2022, 65, 1391-1402.	3.5	6
3248	Recent advances in nanoplatforms for the treatment of neuropathic pain. Spinal Cord, 2022, 60, 594-603.	0.9	3
3249	Tollip Orchestrates Macrophage Polarization to Alleviate Intestinal Mucosal Inflammation. Journal of Crohn's and Colitis, 2022, 16, 1151-1167.	0.6	13
3250	Oligonucleotide Therapeutics: From Discovery and Development to Patentability. Pharmaceutics, 2022, 14, 260.	2.0	50
3251	Platelet Membrane-Coated Nanocarriers Targeting Plaques to Deliver Anti-CD47 Antibody for Atherosclerotic Therapy. Research, 2022, 2022, 9845459.	2.8	23
3252	Cancer Therapy by Silver Nanoparticles: Fiction or Reality?. International Journal of Molecular Sciences, 2022, 23, 839.	1.8	54
3253	Biocompatible Core–Shell-Structured Si-Based NiO Nanoflowers and Their Anticancer Activity. Pharmaceutics, 2022, 14, 268.	2.0	5
3254	Triggering the nanophase separation of albumin through multivalent binding to glycogen for drug delivery in 2D and 3D multicellular constructs. Nanoscale, 2022, 14, 3452-3466.	2.8	1
3255	Charge-reversal nanomedicines as a smart bullet for deep tumor penetration. Smart Materials in Medicine, 2022, 3, 243-253.	3.7	50
3256	Lipid-Based Nanocarriers in Renal RNA Therapy. Biomedicines, 2022, 10, 283.	1.4	9
3257	Targeting memory T cell metabolism to improve immunity. Journal of Clinical Investigation, 2022, 132, .	3.9	61
3258	Highly Inoxidizable Heptamethine Cyanine–Glucose Oxidase Conjugate Nanoagent for Combination of Enhanced Photothermal Therapy and Tumor Starvation. Advanced Functional Materials, 2022, 32, .	7.8	28

#	Article	IF	CITATIONS
3259	A New Perspective on the Treatment of Alzheimer's Disease and Sleep Deprivation-Related Consequences: Can Curcumin Help?. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-23.	1.9	6
3260	Improving dexamethasone drug loading and efficacy in treating arthritis through a lipophilic prodrug entrapped into PLGA-PEG nanoparticles. Drug Delivery and Translational Research, 2022, 12, 1270-1284.	3.0	26
3261	Multifunctional Cellular Targeting, Molecular Delivery, and Imaging by Integrated Mesoporous-Silica with Optical Nanocrescent Antenna: MONA. ACS Nano, 2022, 16, 2013-2023.	7.3	23
3262	Engineering a Ratiometric Photoacoustic Probe with a Hepatocyte-Specific Targeting Ability for Liver Injury Imaging. Analytical Chemistry, 2022, 94, 1474-1481.	3.2	17
3263	Cancerâ€Cellâ€Biomimetic Nanoparticles for Targeted Therapy of Multiple Myeloma Based on Bone Marrow Homing. Advanced Materials, 2022, 34, e2107883.	11.1	38
3264	From Bench to the Clinic: The Path to Translation of Nanotechnology-Enabled mRNA SARS-CoV-2 Vaccines. Nano-Micro Letters, 2022, 14, 41.	14.4	26
3265	Recent advances in nanomedicines for photodynamic therapy (PDT)-driven cancer immunotherapy. Theranostics, 2022, 12, 434-458.	4.6	154
3266	Identification and optimization of tunable endosomal escape parameters for enhanced efficacy in peptide-targeted prodrug-loaded nanoparticles. Nanoscale, 2022, 14, 1226-1240.	2.8	6
3267	Drug Targeting and Nanomedicine: Lessons Learned from Liver Targeting and Opportunities for Drug Innovation. Pharmaceutics, 2022, 14, 217.	2.0	6
3268	A Urinary Drug-Disposing Approach as an Alternative to Intravesical Chemotherapy for Treating Nonmuscle Invasive Bladder Cancer. Cancer Research, 2022, 82, 1409-1422.	0.4	0
3269	Fucoidan based nanoparticles: Structure and applications. , 2022, , 91-118.		0
3270	Gold (III) Derivatives in Colon Cancer Treatment. International Journal of Molecular Sciences, 2022, 23, 724.	1.8	22
3271	Nanocellulose: a sustainable nanomaterial for controlled drug delivery applications., 2022,, 217-253.		0
3272	Cross-linking Poly(caprolactone)–Polyamidoamine Linear Dendritic Block Copolymers for Theranostic Nanomedicine. ACS Applied Polymer Materials, 2022, 4, 2972-2986.	2.0	4
3273	Multistage targeting and dual inhibiting strategies based on bioengineered tumor matrix microenvironmentâ€mediated protein nanocages for enhancing cancer biotherapy. Bioengineering and Translational Medicine, 2022, 7, .	3.9	4
3274	Concepts of advanced therapeutic delivery systems for the management of remodeling and inflammation in airway diseases. Future Medicinal Chemistry, 2022, 14, 271-288.	1.1	8
3275	Stapling of short cell-penetrating peptides for enhanced tumor cell-and-tissue dual-penetration. Chemical Communications, 2022, 58, 2299-2302.	2.2	6
3276	Magnetic nanoparticles and nanoobjects used for medical applications. , 2022, , 59-105.		0

#	Article	IF	CITATIONS
3277	Galactose-decorated liver tumor-specific nanoliposomes incorporating selective BRD4-targeted PROTAC for hepatocellular carcinoma therapy. Heliyon, 2022, 8, e08702.	1.4	23
3278	La(<scp>iii</scp>)â€"curcumin-functionalized gold nanocomposite as a red light-activatable mitochondria-targeting PDT agent. Inorganic Chemistry Frontiers, 2022, 9, 686-701.	3.0	8
3279	PFOB sonosensitive microdroplets: determining their interaction radii with focused ultrasound using MR thermometry and a Gaussian convolution kernel computation. International Journal of Hyperthermia, 2022, 39, 108-119.	1.1	3
3280	L-asparaginase-mediated Therapy in L-asparagine Auxotrophic Cancers: A Review. Anti-Cancer Agents in Medicinal Chemistry, 2022, 22, 2393-2410.	0.9	2
3281	Self-targeting of zwitterion-based platforms for nano-antimicrobials and nanocarriers. Journal of Materials Chemistry B, 2022, 10, 2316-2322.	2.9	6
3282	Identification of an Aptamer With Binding Specificity to Tumor-Homing Myeloid-Derived Suppressor Cells. Frontiers in Pharmacology, 2021, 12, 752934.	1.6	1
3283	Engineering Nanoplatform for Combined Cancer Therapeutics via Complementary Autophagy Inhibition. International Journal of Molecular Sciences, 2022, 23, 657.	1.8	2
3284	Nanoparticle protein corona evolution: from biological impact to biomarker discovery. Nanoscale, 2022, 14, 1606-1620.	2.8	25
3285	Magnetic Resonance/Infrared Dual-Modal Imaging-Guided Synergistic Photothermal/Photodynamic Therapy Nanoplatform Based on Cu1.96S-Gd@FA for Precision Cancer Theranostics. Journal of Colloid and Interface Science, 2022, 615, 95-109.	5.0	11
3286	Extracellular Vesicle-Based Hybrid Systems for Advanced Drug Delivery. Pharmaceutics, 2022, 14, 267.	2.0	20
3287	Modulating Nanoparticle Size to Understand Factors Affecting Hemostatic Efficacy and Maximize Survival in a Lethal Inferior Vena Cava Injury Model. ACS Nano, 2022, 16, 2494-2510.	7.3	8
3288	A Fresh Look at the Potential of Cyclodextrins for Improving the Delivery of siRNA Encapsulated in Liposome Nanocarriers. ACS Omega, 2022, 7, 3731-3737.	1.6	4
3289	Understanding Structure–Function Relationships of Nanoadjuvants for Enhanced Cancer Vaccine Efficacy. Advanced Functional Materials, 2022, 32, 2111670.	7.8	24
3290	Extracellular Vesicles as Mediators of Therapy Resistance in the Breast Cancer Microenvironment. Biomolecules, 2022, 12, 132.	1.8	7
3291	Chitosan-Coated-PLGA Nanoparticles Enhance the Antitumor and Antimigration Activity of Stattic $\hat{a} \in \text{``ASTAT3}$ Dimerization Blocker. International Journal of Nanomedicine, 2022, Volume 17, 137-150.	3.3	18
3292	Nanotechnology for Biomedical Devices: Cancer Treatment. Materials Horizons, 2022, , 207-251.	0.3	1
3293	Sonosensitive capsules for brain thrombolysis increase ischemic damage in a stroke model. Journal of Nanobiotechnology, 2022, 20, 46.	4.2	8
3294	Role of Nanotechnology and Their Perspectives in the Treatment of Kidney Diseases. Frontiers in Genetics, 2021, 12, 817974.	1.1	12

#	Article	IF	CITATIONS
3295	Surface Modification of Nanoparticles Enhances Drug Delivery to the Brain and Improves Survival in a Glioblastoma Multiforme Murine Model. Bioconjugate Chemistry, 2022, 33, 1957-1972.	1.8	10
3296	PLGA's Plight and the Role of Stealth Surface Modification Strategies in Its Use for Intravenous Particulate Drug Delivery. Advanced Healthcare Materials, 2022, 11, e2101536.	3.9	26
3297	Carbon nanomaterials for therapeutic applications. , 2022, , 293-325.		3
3298	Carbon Dot Therapeutic Platforms: Administration, Distribution, Metabolism, Excretion, Toxicity, and Therapeutic Potential. Small, 2022, 18, e2106342.	5.2	75
3299	Bacteria-Assisted Transport of Nanomaterials to Improve Drug Delivery in Cancer Therapy. Nanomaterials, 2022, 12, 288.	1.9	17
3300	Shell-Sheddable Micelles Based on Poly(ethylene glycol)-hydrazone-poly[R,S]-3-hydroxybutyrate Copolymer Loaded with 8-Hydroxyquinoline Glycoconjugates as a Dual Tumor-Targeting Drug Delivery System. Pharmaceutics, 2022, 14, 290.	2.0	9
3302	Physiology, pathology and the biomolecular corona: the confounding factors in nanomedicine design. Nanoscale, 2022, 14, 2136-2154.	2.8	11
3303	Intracellular Selfâ€immolative Polyprodrug with Nearâ€infrared Light Guided Accumulation and in Vivo Visualization of Drug Release. Advanced Materials, 2022, 34, e2109528.	11.1	9
3304	Nanoparticles in Clinical Translation for Cancer Therapy. International Journal of Molecular Sciences, 2022, 23, 1685.	1.8	91
3305	Towards principled design of cancer nanomedicine to accelerate clinical translation. Materials Today Bio, 2022, 13, 100208.	2.6	47
3306	Supramolecular Nanomedicines of In-Situ Self-Assembling Peptides. Frontiers in Chemistry, 2022, 10, 815551.	1.8	3
3307	Regulated preparation of celastrol-loaded nanoparticle by flash nanoprecipitation. Journal of Drug Delivery Science and Technology, 2022, 69, 103146.	1.4	0
3308	Review: RNA-based diagnostic markers discovery and therapeutic targets development in cancer. , 2022, 234, 108123.		37
3309	Dextran-Mimetic Quantum Dots for Multimodal Macrophage Imaging <i>In Vivo, Ex Vivo</i> , and <i>In Situ</i> . ACS Nano, 2022, 16, 1999-2012.	7.3	17
3310	Exploiting Endocytosis for Non-Spherical Nanoparticle Cellular Uptake. Nanomanufacturing, 2022, 2, 1-16.	1.8	16
3311	RNAi-based therapeutics and tumor targeted delivery in cancer. Advanced Drug Delivery Reviews, 2022, 182, 114113.	6.6	123
3312	Nano logic gates based on gold nanoparticles- carbon dots hybrid and its FLIM imaging. , 2022, , .		0
3313	Biomedical applications of polysaccharide nanoparticles for chronic inflammatory disorders: Focus on rheumatoid arthritis, diabetes and organ fibrosis. Carbohydrate Polymers, 2022, 281, 118923.	5.1	31

#	Article	IF	Citations
3314	Stability-tunable core-crosslinked polymeric micelles based on an imidazole-bearing block polymer for pH-responsive drug delivery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 639, 128353.	2.3	12
3315	Biodegradable two-dimensional nanomaterials for cancer theranostics. Coordination Chemistry Reviews, 2022, 458, 214415.	9.5	31
3316	Delivery of an immunogenic cell death-inducing copper complex to cancer stem cells using polymeric nanoparticles. RSC Advances, 2022, 12, 5290-5299.	1.7	10
3317	Gum-based nanoparticles in cancer therapy. , 2022, , 183-225.		1
3318	Regulating trained immunity with nanomedicine. Nature Reviews Materials, 2022, 7, 465-481.	23.3	45
3319	Nanomedicine Strategies for Management of Drug Resistance in Lung Cancer. International Journal of Molecular Sciences, 2022, 23, 1853.	1.8	13
3320	Fluorophore Localization Determines the Results of Biodistribution of Core-Shell Nanocarriers. International Journal of Nanomedicine, 2022, Volume 17, 577-588.	3.3	0
3321	Antibacterial Efficacies of Nanostructured Aminoglycosides. ACS Omega, 2022, 7, 4724-4734.	1.6	9
3322	Progress and Hurdles of Therapeutic Nanosystems against Cancer. Pharmaceutics, 2022, 14, 388.	2.0	3
3323	Oral delivery of hydrophobic flavonoids and their incorporation into functional foods: Opportunities and challenges. Food Hydrocolloids, 2022, 128, 107567.	5. 6	15
3324	Enhanced in vitro therapeutic efficacy of triphenyltin (IV) loaded vitamin E TPGS against breast cancer therapy. Materials Today Communications, 2022, 31, 103256.	0.9	2
3325	Leveraging self-assembled nanobiomaterials for improved cancer immunotherapy. Cancer Cell, 2022, 40, 255-276.	7.7	45
3326	N-Doped Graphene Quantum Dots/Titanium Dioxide Nanocomposites: A Study of ROS-Forming Mechanisms, Cytotoxicity and Photodynamic Therapy. Biomedicines, 2022, 10, 421.	1.4	10
3327	Dibenzocyclooctyneâ€Branched Primer Assembled Gene Nanovector and Its Potential Applications in Genome Editing. ChemBioChem, 2022, 23, .	1.3	5
3328	Before in vivo studies: In vitro screening of sphingomyelin nanosystems using a relevant 3D multicellular pancreatic tumor spheroid model. International Journal of Pharmaceutics, 2022, 617, 121577.	2.6	9
3329	Dual stimuli-responsive nanocarriers based on polyethylene glycol-mediated schiff base interactions for overcoming tumour chemoresistance. Colloids and Surfaces B: Biointerfaces, 2022, 213, 112408.	2.5	5
3330	Smart transformable nanoparticles for enhanced tumor theranostics. Applied Physics Reviews, 2021, 8,	5.5	99
3332	Genome-editing prodrug: Targeted delivery and conditional stabilization of CRISPR-Cas9 for precision therapy of inflammatory disease. Science Advances, 2021, 7, eabj0624.	4.7	40

#	Article	IF	CITATIONS
3333	Drug Delivery Strategies for Curcumin and Other Natural Nrf2 Modulators of Oxidative Stress-Related Diseases. Pharmaceutics, 2021, 13, 2137.	2.0	19
3335	Overexpressed VLA-4 on Endothelial Cell Membrane Camouflaging the Pathological Reactive Oxygen Species Responsive Prodrug to Enhance Target Therapy for Atherosclerosis. SSRN Electronic Journal, 0, , .	0.4	O
3336	Preparation of polycation with hydroxyls for enhanced delivery of miRNA in osteosarcoma therapy. Biomaterials Science, 2022, 10, 2844-2856.	2.6	1
3338	Design, Synthesis and Chemically Engineered Graphene Quantum Dot Applications: Contrast Agent for Mr Imaging and Targeted Therapeutics on Parkinson's Treatment. SSRN Electronic Journal, 0, , .	0.4	0
3340	Metallodrugs in cancer nanomedicine. Chemical Society Reviews, 2022, 51, 2544-2582.	18.7	70
3341	Plaque-targeted, proteolysis-resistant, activatable and MRI-visible nano-GLP-1 receptor agonist targets smooth muscle cell differentiation in atherosclerosis. Theranostics, 2022, 12, 2741-2757.	4.6	5
3342	Microfluidic Chip Interfacing Microdialysis and Mass Spectrometry for in Vivo Monitoring of Nanomedicine Pharmacokinetics in Real Time. SSRN Electronic Journal, 0, , .	0.4	0
3343	Nanogels loading curcumin <i>in situ</i> through microemulsion photopolymerization for enhancement of antitumor effects. Journal of Materials Chemistry B, 2022, 10, 3293-3302.	2.9	13
3344	Glucose-responsive nanogels efficiently maintain the stability and activity of therapeutic enzymes. Nanotechnology Reviews, 2022, 11, 1511-1524.	2.6	14
3345	Recent Advances in Nanostructured Polymers. Materials Horizons, 2022, , 199-226.	0.3	1
3346	Stimulus-responsive self-assembled prodrugs in cancer therapy. Chemical Science, 2022, 13, 4239-4269.	3.7	48
3347	Intranasal Delivery of Functionalized Polymeric Nanomaterials to the Brain. Advanced Healthcare Materials, 2022, 11, e2102610.	3.9	20
3348	Dual stimuli-responsive dendronized prodrug derived from poly(oligo-(ethylene glycol)) Tj ETQq0 0 0 rgBT /Overloo	ock 10 Tf 50 4.1	0 267 Td (me 10
3349	Designing Functional Bionanoconstructs for Effective <i>In Vivo</i> Targeting. Bioconjugate Chemistry, 2022, 33, 429-443.	1.8	12
3350	Programmed Catalytic Therapy-Mediated ROS Generation and T-Cell Infiltration in Lung Metastasis by a Dual Metal-Organic Framework (MOF) Nanoagent. Pharmaceutics, 2022, 14, 527.	2.0	6
3351	GSHâ€Responsive Metal–Organic Framework for Intratumoral Release of NO and IDO Inhibitor to Enhance Antitumor Immunotherapy. Small, 2022, 18, e2107732.	5.2	31
3352	PEGylation of Metal Oxide Nanoparticles Modulates Neutrophil Extracellular Trap Formation. Biosensors, 2022, 12, 123.	2.3	10
3353	Augmented lipid-nanoparticle-mediated in vivo genome editing in the lungs and spleen by disrupting Cas9 activity in the liver. Nature Biomedical Engineering, 2022, 6, 157-167.	11.6	35

#	Article	IF	CITATIONS
3354	Application of Rapid Fluorescence Lifetime Imaging Microscopy (RapidFLIM) to Examine Dynamics of Nanoparticle Uptake in Live Cells. Cells, 2022, 11, 642.	1.8	3
3355	The Pursuit of Shortwave Infrared-Emitting Nanoparticles with Bright Fluorescence through Molecular Design and Excited-State Engineering of Molecular Aggregates. ACS Nanoscience Au, 2022, 2, 253-283.	2.0	12
3356	Comparison between Janus-Base Nanotubes and Carbon Nanotubes: A Review on Synthesis, Physicochemical Properties, and Applications. International Journal of Molecular Sciences, 2022, 23, 2640.	1.8	14
3357	Modeling and Analysis of Nanoparticle with Non-Uniform Drug Concentration Distribution: How to Approach a Programmed Delivery?. Journal of Pharmaceutical Innovation, 0, , 1.	1.1	0
3358	In vivo Evaluation of Non-viral NICD Plasmid-Loaded PLGA Nanoparticles in Developing Zebrafish to Improve Cardiac Functions. Frontiers in Physiology, 2022, 13, 819767.	1.3	3
3359	In vivo study of dose-dependent antioxidant efficacy of functionalized core–shell yttrium oxide nanoparticles. Naunyn-Schmiedeberg's Archives of Pharmacology, 2022, 395, 593-606.	1.4	5
3360	Peptides as molecular Trojan horses. Nature Chemistry, 2022, 14, 250-252.	6.6	2
3361	An Engineered Nanocomplex with Photodynamic and Photothermal Synergistic Properties for Cancer Treatment. International Journal of Molecular Sciences, 2022, 23, 2286.	1.8	10
3362	Zebrafish as a powerful alternative model organism for preclinical investigation of nanomedicines. Drug Discovery Today, 2022, 27, 1513-1522.	3.2	10
3363	Recent Advancements in Mitochondria-Targeted Nanoparticle Drug Delivery for Cancer Therapy. Nanomaterials, 2022, 12, 743.	1.9	19
3364	Probing the Interaction Between Supercarrier RBC Membrane and Nanoparticles for Optimal Drug Delivery. Journal of Molecular Biology, 2022, , 167539.	2.0	4
3365	Principles of Nanoparticle Design for Genome Editing in Plants. Frontiers in Genome Editing, 2022, 4, 846624.	2.7	7
3366	Formulation and Characterization of Stimuli-Responsive Lecithin-Based Liposome Complexes with Poly(acrylic acid)/Poly(N,N-dimethylaminoethyl methacrylate) and Pluronic® Copolymers for Controlled Drug Delivery. Pharmaceutics, 2022, 14, 735.	2.0	4
3367	Appropriate Size of Fe ₃ O ₄ Nanoparticles for Cancer Therapy by Ferroptosis. ACS Applied Bio Materials, 2022, 5, 1692-1699.	2.3	22
3368	Chemical Structure and Shape Enhance MR Imaging-Guided X-ray Therapy Following Marginative Delivery. ACS Applied Materials & Samp; Interfaces, 2022, 14, 13056-13069.	4.0	8
3369	Near-infrared-driven photoablation of lung cancer tumors utilizing biomimetic platelet-polyethyleneimine-polypyrrole drug-free nanoparticles. Materials and Design, 2022, 215, 110481.	3.3	10
3370	Nanomedicines Targeting Respiratory Injuries for Pulmonary Disease Management. Advanced Functional Materials, 2022, 32, .	7.8	9
3371	A Review of Nanotechnology for Treating Dysfunctional Placenta. Frontiers in Bioengineering and Biotechnology, 2022, 10, 845779.	2.0	1

#	Article	IF	Citations
3372	Shape-specific microfabricated particles for biomedical applications: a review. Drug Delivery and Translational Research, 2022, 12, 2019-2037.	3.0	8
3373	Designing a quantifiable detection method for the optimization of gold nanoparticle based gene therapy. , 2022, , .		0
3374	Light Extinction by Agglomerates of Gold Nanoparticles: A Plasmon Ruler for Sub-10 nm Interparticle Distances. Analytical Chemistry, 2022, 94, 5310-5316.	3.2	15
3375	Microfluidic-Assisted Fabrication of Dual-Coated pH-Sensitive Mesoporous Silica Nanoparticles for Protein Delivery. Biosensors, 2022, 12, 181.	2.3	12
3376	Brain-Targeted Codelivery of Bcl-2/Bcl-xl and Mcl-1 Inhibitors by Biomimetic Nanoparticles for Orthotopic Glioblastoma Therapy. ACS Nano, 2022, 16, 6293-6308.	7.3	40
3377	Hâ€Dimeric Nanospheres of Amphipathic Squaraine Dye with an 81.2% Photothermal Conversion Efficiency for Photothermal Therapy. Advanced Functional Materials, 2022, 32, .	7.8	37
3378	Probiotics-loaded nanoparticles attenuated colon inflammation, oxidative stress, and apoptosis in colitis. Scientific Reports, 2022, 12, 5116.	1.6	21
3379	Harnessing the Therapeutic Potential of Biomacromolecules through Intracellular Delivery of Nucleic Acids, Peptides, and Proteins. Advanced Healthcare Materials, 2022, 11, e2102600.	3.9	15
3382	Optical and structural phase transitions in TiO2 nanoparticles with osteogenic differentiation potential. Ceramics International, 2022, , .	2.3	0
3383	Gap Junction-Mediated Delivery of Polymeric Macromolecules. ACS Biomaterials Science and Engineering, 2022, 8, 1566-1572.	2.6	6
3384	Mesenchymal Stem Cell-Derived Extracellular Vesicles as Non-Coding RNA Therapeutic Vehicles in Autoimmune Diseases. Pharmaceutics, 2022, 14, 733.	2.0	10
3385	Multifunctional Self-Assembly with NIR Light-Activated Cascade Effect for Improving Local Treatment on Solid Tumors. ACS Applied Materials & Samp; Interfaces, 2022, 14, 14087-14096.	4.0	3
3386	Efficacy and Immune Response Elicited by Gold Nanoparticle- Based Nanovaccines against Infectious Diseases. Vaccines, 2022, 10, 505.	2.1	24
3387	Polymerâ€Functionalized Mitochondrial Transplantation to Plaque Macrophages as a Therapeutic Strategy Targeting Atherosclerosis. Advanced Therapeutics, 2022, 5, .	1.6	2
3388	Advanced Biomaterials for Cellâ€Specific Modulation and Restore of Cancer Immunotherapy. Advanced Science, 2022, 9, e2200027.	5.6	26
3389	Emerging concepts of miRNA therapeutics: from cells to clinic. Trends in Genetics, 2022, 38, 613-626.	2.9	212
3390	Hidden in Plantsâ€"A Review of the Anticancer Potential of the Solanaceae Family in In Vitro and In Vivo Studies. Cancers, 2022, 14, 1455.	1.7	13
3391	Nanomaterials: The New Antimicrobial Magic Bullet. ACS Infectious Diseases, 2022, 8, 693-712.	1.8	28

#	Article	IF	CITATIONS
3392	The Pyrazolo [3,4-d] Pyrimidine Derivative Si306 Encapsulated into Anti-GD2-Immunoliposomes as Therapeutic Treatment of Neuroblastoma. Biomedicines, 2022, 10, 659.	1.4	6
3393	Double-grafted chitosans as siRNA nanocarriers: effects of diisopropylethylamine substitution and labile-PEG coating. Journal of Nanostructure in Chemistry, 0, , $1.$	5.3	2
3394	Dopamine Functionalized Polyethylene Glycol for Improving Stability of Gold Nanoparticles against Reactive Oxygen Species in Serum. Macromolecular Rapid Communications, 2022, , 2200035.	2.0	4
3395	Three Millennia of Nanocrystals. ACS Nano, 2022, 16, 5085-5102.	7.3	27
3396	Biomimetic and Materials-Potentiated Cell Engineering for Cancer Immunotherapy. Pharmaceutics, 2022, 14, 734.	2.0	1
3397	DNAâ€Based Nanoarchitectures as Eminent Vehicles for Smart Drug Delivery Systems. Advanced Functional Materials, 2022, 32, .	7.8	32
3398	Iron–Gold Nanoflowers: A Promising Tool for Multimodal Imaging and Hyperthermia Therapy. Pharmaceutics, 2022, 14, 636.	2.0	13
3399	The powerful synergistic effect of spiramycin/propolis loaded chitosan/alginate nanoparticles on acute murine toxoplasmosis. PLoS Neglected Tropical Diseases, 2022, 16, e0010268.	1.3	13
3400	Recent advances in the development of multifunctional lipid-based nanoparticles for co-delivery, combination treatment strategies, and theranostics in breast and lung cancer. Journal of Drug Delivery Science and Technology, 2022, 71, 103300.	1.4	10
3401	Gold Nanorods for Drug and Gene Delivery: An Overview of Recent Advancements. Pharmaceutics, 2022, 14, 664.	2.0	12
3402	Bionized Nanoferrite Particles Alter the Course of Experimental Cryptococcus neoformans Pneumonia. Antimicrobial Agents and Chemotherapy, 2022, 66, e0239921.	1.4	1
3403	Size and Charge Characterization of Lipid Nanoparticles for mRNA Vaccines. Analytical Chemistry, 2022, 94, 4677-4685.	3.2	17
3404	Delivery of Stem Cell Secretome for Therapeutic Applications. ACS Applied Bio Materials, 2022, 5, 2009-2030.	2.3	11
3405	Lipid based nanoparticles as a novel treatment modality for hepatocellular carcinoma: a comprehensive review on targeting and recent advances. Journal of Nanobiotechnology, 2022, 20, 109.	4.2	42
3406	Comparative Study of Antibacterial Activity of Different ZnO Nanoparticles, Nanoflowers, and Nanoflakes. Current Nanoscience, 2022, 18, 758-765.	0.7	4
3407	Optimal Physicochemical Properties of Antibody–Nanoparticle Conjugates for Improved Tumor Targeting. Advanced Materials, 2022, 34, e2110305.	11.1	21
3408	Merging data curation and machine learning to improve nanomedicines. Advanced Drug Delivery Reviews, 2022, 183, 114172.	6.6	34
3409	PEGylated and zwitterated silica nanoparticles as doxorubicin carriers applied in a breast cancer cell line: Effects on protein corona formation. Journal of Drug Delivery Science and Technology, 2022, , 103325.	1.4	1

#	Article	IF	CITATIONS
3410	Mechanisms of Uptake and Membrane Curvature Generation for the Internalization of Silica Nanoparticles by Cells. Nano Letters, 2022, 22, 3118-3124.	4.5	14
3411	Study of Renal Accumulation of Targeted Polycations in Acute Kidney Injury. Biomacromolecules, 2022, 23, 2064-2074.	2.6	3
3412	A New Look at the Effects of Engineered ZnO and TiO2 Nanoparticles: Evidence from Transcriptomics Studies. Nanomaterials, 2022, 12, 1247.	1.9	13
3413	Nanomedicines Targeting Heat Shock Protein 90 Gene Expression in the Therapy of Breast Cancer. ChemistrySelect, 2022, 7, .	0.7	2
3414	Highlighting the Potential Role of Exosomes as the Targeted Nanotherapeutic Carrier in Metastatic Breast Cancer. Current Drug Delivery, 2023, 20, 317-334.	0.8	3
3415	Surface Interactions between Ketoprofen and Silica-Based Biomaterials as Drug Delivery System Synthesized via Sol–Gel: A Molecular Dynamics Study. Materials, 2022, 15, 2759.	1.3	9
3416	Development of rapamycin-encapsulated exosome-mimetic nanoparticles-in-PLGA microspheres for treatment of hemangiomas. Biomedicine and Pharmacotherapy, 2022, 148, 112737.	2.5	9
3417	Targeted co-delivery biomimetic nanoparticles reverse macrophage polarization for enhanced rheumatoid arthritis therapy. Drug Delivery, 2022, 29, 1025-1037.	2.5	18
3418	Crossing the Blood-Brain Barrier: Advances in Nanoparticle Technology for Drug Delivery in Neuro-Oncology. International Journal of Molecular Sciences, 2022, 23, 4153.	1.8	74
3419	Microfluidic Nanoparticles for Drug Delivery. Small, 2022, 18, e2106580.	5.2	58
3420	<i>In vitro</i> elimination of EL4 cancer cells from spermatogonia stem cells by miRNA-143- and 206-loaded folic acid-conjugated PLGA nanoparticles. Nanomedicine, 2022, 17, 531-545.	1.7	3
3421	Amphipathic dendritic poly-peptides carrier to deliver antisense oligonucleotides against multi-drug resistant bacteria in vitro and in vivo. Journal of Nanobiotechnology, 2022, 20, 180.	4.2	1
3422	Phytosterol-Loaded Surface-Tailored Bioactive-Polymer Nanoparticles for Cancer Treatment: Optimization, In Vitro Cell Viability, Antioxidant Activity, and Stability Studies. Gels, 2022, 8, 219.	2.1	17
3423	Nanoprodrug ratiometrically integrating autophagy inhibitor and genotoxic agent for treatment of triple-negative breast cancer. Biomaterials, 2022, 283, 121458.	5.7	13
3424	Deciphering the mechanism of interaction of an ester-functionalized cationic gemini surfactant with bovine serum albumin: A biophysical and molecular modeling study. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 646, 128944.	2.3	5
3425	Nanotechnology in Kidney and Islet Transplantation: An Ongoing, Promising Field. Frontiers in Immunology, 2022, 13, 846032.	2.2	0
3426	Importance of Process Parameters Influencing the Mean Diameters of siRNA-Containing Lipid Nanoparticles (LNPs) on the <i>in Vitro</i> Activity of Prepared LNPs. Biological and Pharmaceutical Bulletin, 2022, 45, 497-507.	0.6	1
3427	A New Generation of Ultrasmall Nanoparticles Inducing Sensitization to Irradiation and Copper Depletion to Overcome Radioresistant and Invasive Cancers. Pharmaceutics, 2022, 14, 814.	2.0	6

#	Article	IF	CITATIONS
3428	Formulation and Evaluation of Apigenin-Loaded Hybrid Nanoparticles. Pharmaceutics, 2022, 14, 783.	2.0	7
3429	Cancer cell membraneâ€derived nanoparticles block the expression of immune checkpoint proteins on cancer cells and coordinate modulatory activity on immunosuppressive macrophages. Journal of Biomedical Materials Research - Part A, 2022, 110, 1499-1511.	2.1	7
3430	Recent advances in nanoparticle-based targeting tactics for antibacterial photodynamic therapy. Photochemical and Photobiological Sciences, 2022, 21, 1111-1131.	1.6	15
3431	Circumsporozoite Protein of Plasmodium berghei- and George Baker Virus A-Derived Peptides Trigger Efficient Cell Internalization of Bioconjugates and Functionalized Poly(ethylene glycol)-b-poly(benzyl) Tj ETQq1 1	0 .7.8 4314	r g BT /Overlo
3432	Bacteria as Nanoparticle Carriers for Immunotherapy in Oncology. Pharmaceutics, 2022, 14, 784.	2.0	3
3433	Mucoadhesive Nanocarriers as a Promising Strategy to Enhance Intracellular Delivery against Oral Cavity Carcinoma. Pharmaceutics, 2022, 14, 795.	2.0	11
3434	A nanotherapy responsive to the inflammatory microenvironment for the dual-targeted treatment of atherosclerosis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2022, , 102557.	1.7	4
3435	The replacement of helper lipids with charged alternatives in lipid nanoparticles facilitates targeted mRNA delivery to the spleen and lungs. Journal of Controlled Release, 2022, 345, 819-831.	4.8	83
3436	Blood-brain barrier crossing using magnetic stimulated nanoparticles. Journal of Controlled Release, 2022, 345, 557-571.	4.8	20
3437	Drug-free neutrally charged polypeptide nanoparticles as anticancer agents. Journal of Controlled Release, 2022, 345, 464-474.	4.8	6
3438	Glioma-derived exosomes hijack the blood–brain barrier to facilitate nanocapsule delivery via LCN2. Journal of Controlled Release, 2022, 345, 537-548.	4.8	27
3439	Can nanomaterials support the diagnosis and treatment of human infertility? A preliminary review. Life Sciences, 2022, 299, 120539.	2.0	11
3440	Anti-microbial and anti-cancer activity of gold nanoparticles phytofabricated using clerodin enriched clerodendrum ethanolic leaf extract. Journal of King Saud University - Science, 2022, 34, 101989.	1.6	4
3441	The diffusion-driven microfluidic process to manufacture lipid-based nanotherapeutics with stealth properties for siRNA delivery. Colloids and Surfaces B: Biointerfaces, 2022, 215, 112476.	2.5	3
3442	Influence of surface moieties on nanomechanical properties of gold nanoparticles using atomic force microscopy. Applied Surface Science, 2022, 591, 153175.	3.1	5
3443	Overexpressed VLA-4 on endothelial cell membrane camouflaging the pathological reactive oxygen species responsive prodrug to enhance target therapy for atherosclerosis. Chemical Engineering Journal, 2022, 442, 136198.	6.6	9
3444	Anti-cancer activity of sustained release capsaicin formulations. , 2022, 238, 108177.		25
3445	Targeted delivery of a STING agonist to brain tumors using bioengineered protein nanoparticles for enhanced immunotherapy. Bioactive Materials, 2022, 16, 232-248.	8.6	36

#	Article	IF	Citations
3446	Opportunities Offered by Graphene Nanoparticles for MicroRNAs Delivery for Amyotrophic Lateral Sclerosis Treatment. Materials, 2022, 15, 126.	1.3	5
3447	Zwitterionic Phospholipidation of Cationic Polymers Facilitates Systemic mRNA Delivery to Spleen and Lymph Nodes. Journal of the American Chemical Society, 2021, 143, 21321-21330.	6.6	66
3448	Potential-Independent Intracellular Drug Delivery and Mitochondrial Targeting. ACS Nano, 2022, 16, 1409-1420.	7.3	24
3449	Ex-vivo Kidney Machine Perfusion: Therapeutic Potential. Frontiers in Medicine, 2021, 8, 808719.	1.2	28
3450	Design of Smart Sizeâ€, Surfaceâ€, and Shapeâ€&witching Nanoparticles to Improve Therapeutic Efficacy. Small, 2022, 18, e2104632.	5.2	33
3451	Four-Dimensional Stimuli-Responsive Hydrogels Micro-Structured via Femtosecond Laser Additive Manufacturing. Micromachines, 2022, 13, 32.	1.4	10
3454	Microfluidic Roadmap for Translational Nanotheranostics. Small Methods, 2022, 6, e2101217.	4.6	5
3455	Particle Separation through Diverging Nanochannels via Diffusiophoresis and Diffusioosmosis. Physical Review Applied, 2021, 16, .	1.5	1
3456	Highly active antiretroviral therapy conjugated silver nanoparticle ameliorates testicular injury in type-2 diabetic rats. Heliyon, 2021, 7, e08580.	1.4	4
3457	Smart Nanocarriers as an Emerging Platform for Cancer Therapy: A Review. Molecules, 2022, 27, 146.	1.7	58
3458	Cascade-Responsive Hierarchical Nanosystems for Multisite Specific Drug Exposure and Boosted Chemoimmunotherapy. ACS Applied Materials & Samp; Interfaces, 2021, 13, 58319-58328.	4.0	16
3459	Nanomedicine in Hepatocellular Carcinoma: A New Frontier in Targeted Cancer Treatment. Pharmaceutics, 2022, 14, 41.	2.0	27
3460	Magnetic Micro- and Nanoagents for Monitoring Enzymatic Activity In Vivo. Annual Review of Control, Robotics, and Autonomous Systems, 2022, 5, 311-333.	7.5	2
3461	Nanogold-based materials in medicine: from their origins to their future. Nanomedicine, 2021, 16, 2695-2723.	1.7	12
3462	Engineering Supramolecular Nanomedicine for Targeted Near Infrared-triggered Mitochondrial Dysfunction to Potentiate Cisplatin for Efficient Chemophototherapy. ACS Nano, 2022, 16, 1421-1435.	7.3	36
3463	Self-Assembled Oligo-Urethane Nanoparticles: Their Characterization and Use for the Delivery of Active Biomolecules into Mammalian Cells. ACS Applied Materials & Samp; Interfaces, 2021, 13, 58352-58368.	4.0	3
3465	Metal–organic frameworks in pursuit of size: the development of macroscopic single crystals. Dalton Transactions, 2022, 51, 7775-7782.	1.6	4
3466	Precision polymer nanofibers with a responsive polyelectrolyte corona designed as a modular, functionalizable nanomedicine platform. Polymer Chemistry, 2022, 13, 3009-3025.	1.9	8

#	ARTICLE	IF	CITATIONS
3467	Nanoparticle based medicines: approaches for evading and manipulating the mononuclear phagocyte system and potential for clinical translation. Biomaterials Science, 2022, 10, 3029-3053.	2.6	24
3468	功能åŒ−二氧åŒ−ç¡çº³ç±³ææ−™åœ¨è,¿ç~æ²»ç−−领域的应用. Chinese Science Bulletin, 2022, , .	0.4	1
3469	Macrocycle-Surfaced Polymer Nanocapsules: An Emerging Paradigm for Biomedical Applications. Bioconjugate Chemistry, 2022, 33, 2254-2261.	1.8	4
3470	Poly(ϵ-Caprolactone)-Methoxypolyethylene Glycol (PCL-MPEG)-Based Micelles for Drug-Delivery: The Effect of PCL Chain Length on Blood Components, Phagocytosis, and Biodistribution. International Journal of Nanomedicine, 2022, Volume 17, 1613-1632.	3.3	7
3471	Optical-force-controlled red-blood-cell microlenses for subwavelength trapping and imaging. Biomedical Optics Express, 2022, 13, 2995.	1.5	4
3472	Biogenesis of Exosomes Laden with Metallic Silver–Copper Nanoparticles Liaised by Wheat Germ Agglutinin for Targeted Delivery of Therapeutics to Breast Cancer. Advanced Biology, 2022, , 2200005.	1.4	4
3473	Chorioretinal Hypoxia Detection Using Lipid-Polymer Hybrid Organic Room-Temperature Phosphorescent Nanoparticles. ACS Applied Materials & Samp; Interfaces, 2022, 14, 18182-18193.	4.0	6
3474	Real-Time and <i>In Situ</i> i> Monitoring of the Synthesis of Silica Nanoparticles. ACS Sensors, 2022, 7, 1045-1057.	4.0	11
3475	Nanoparticular Carriers As Objects to Study Intentional and Unintentional Bioconjugation. ACS Biomaterials Science and Engineering, 2024, 10, 3-11.	2.6	0
3476	Bioactive Keratin and Fibroin Nanoparticles: An Overview of Their Preparation Strategies. Nanomaterials, 2022, 12, 1406.	1.9	9
3477	Supramolecular nanomedicines through rational design of self-assembling prodrugs. Trends in Pharmacological Sciences, 2022, 43, 510-521.	4.0	16
3478	Polyâ€Lâ€Lysine/Hyaluronan Nanocarriers As a Novel Nanosystem for Gene Delivery. Journal of Microscopy, 2022, , .	0.8	1
3479	Advances of functional nanomaterials for magnetic resonance imaging and biomedical engineering applications. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1800.	3.3	12
3480	Recent Advances of Tumor Therapy Based on the CD47-SIRPα Axis. Molecular Pharmaceutics, 2022, 19, 1273-1293.	2.3	18
3481	Stimuliâ€responsive crosslinked nanomedicine for cancer treatment. Exploration, 2022, 2, .	5.4	74
3482	Targeting nucleic acid-based therapeutics to tumors: Challenges and strategies for polyplexes. Journal of Controlled Release, 2022, 346, 110-135.	4.8	23
3512	Strategies of engineering nanomedicines for tumor retention. Journal of Controlled Release, 2022, 346, 193-211.	4.8	10
3513	Nanoparticle Properties Influence Transendothelial Migration of Monocytes. Langmuir, 2022, 38, 5603-5616.	1.6	5

#	Article	IF	CITATIONS
3514	High-yield halide-assisted synthesis of metal–organic framework UiO-based nanocarriers. Nanoscale, 2022, 14, 6789-6801.	2.8	4
3517	A Review of Multifunction Smart Nanoparticle based Drug Delivery Systems. Current Pharmaceutical Design, 2022, 28, 2965-2983.	0.9	3
3518	Targeting to brain tumor: Nanocarrier-based drug delivery platforms, opportunities, and challenges. Journal of Pharmacy and Bioallied Sciences, 2021, 13, 172.	0.2	4
3519	Construction of Mpda@Ir780 Nano Drug Carriers and Photothermal Therapy of Tumor Cells. SSRN Electronic Journal, 0, , .	0.4	0
3520	Design, preparation, and functionalization of nanobiomaterials for enhanced efficacy in current and future biomedical applications. Nanotechnology Reviews, 2022, 11, 1802-1826.	2.6	17
3521	Silver nanoparticles induce mitochondria-dependent apoptosis and late non-canonical autophagy in HT-29 colon cancer cells. Nanotechnology Reviews, 2022, 11, 1911-1926.	2.6	13
3522	Easy preparation of a liposome-mediated protein delivery system by freeze–thawing a liposome–protein complex. Journal of Materials Chemistry B, 2022, 10, 6768-6776.	2.9	6
3523	Consumer Nanoproducts: A Brief Introduction. , 2022, , 3-16.		0
3524	Nanotechnology-Based Drug Delivery System. Advances in Bioinformatics and Biomedical Engineering Book Series, 2022, , 97-133.	0.2	1
3525	Chitosan-Hyaluronan Nanoparticles for Vinblastine Sulfate Delivery: Characterization and Internalization Studies on K-562 Cells. Pharmaceutics, 2022, 14, 942.	2.0	11
3526	Mechanoâ€Responsive Leapfrog Micelles Enable Interactive Apoptotic and Ferroptotic Cancer Therapy. Advanced Functional Materials, 2022, 32, .	7.8	34
3527	Impact of Zwitterionic Polymers on the Tumor Permeability of Molecular Bottlebrush-Based Nanoparticles. Biomacromolecules, 2022, 23, 2846-2855.	2.6	15
3528	Engineering Self-Assembling Protein Nanoparticles for Therapeutic Delivery. Bioconjugate Chemistry, 2022, 33, 2018-2034.	1.8	28
3529	pH-sensitive nanoliposomes for passive and CXCR-4-mediated marine yessotoxin delivery for cancer therapy. Nanomedicine, 2022, 17, 717-739.	1.7	3
3530	Combination of interventional oncology local therapies and immunotherapy for the treatment of hepatocellular carcinoma. Journal of Liver Cancer, 2022, 22, 93-102.	0.3	6
3531	Acoustofluidics for simultaneous nanoparticle-based drug loading and exosome encapsulation. Microsystems and Nanoengineering, 2022, 8, 45.	3.4	27
3532	Bioengineered and biocompatible silver nanoparticles from Thalictrum foliolosum DC and their biomedical applications. Clean Technologies and Environmental Policy, 2022, 24, 2479-2494.	2.1	9
3533	Current trends of targeted therapy for oral squamous cell carcinoma. Journal of Cancer Research and Clinical Oncology, 2022, 148, 2169-2186.	1.2	23

#	Article	IF	CITATIONS
3534	Targeted Chemotherapy Based on Amplifying the Reactive Oxygen Species of Doxorubicin-Loaded Polyaspartamide-Encapsulated Iron Oxide Nanoparticles. ACS Applied Nano Materials, 2022, 5, 7619-7631.	2.4	2
3535	Potent Virustatic Polymer–Lipid Nanomimics Block Viral Entry and Inhibit Malaria Parasites In Vivo. ACS Central Science, 2022, 8, 1238-1257.	5.3	9
3536	The interactions between DNA nanostructures and cells: A critical overview from a cell biology perspective. Acta Biomaterialia, 2022, 146, 10-22.	4.1	10
3537	In vivo fate and intracellular trafficking of vaccine delivery systems. Advanced Drug Delivery Reviews, 2022, 186, 114325.	6.6	26
3538	Self-propelled micro/nanobots: A new insight into precisely targeting cancerous cells through intelligent and deep cancer penetration. European Journal of Pharmacology, 2022, 926, 175011.	1.7	20
3539	Olaparib and Doxorubicin Co-Loaded Polypeptide Nanogel for Enhanced Breast Cancer Therapy. Frontiers in Bioengineering and Biotechnology, 2022, 10, 904344.	2.0	7
3540	Facile synthesis of ZnO-NPs from yellow creeping daisy (Sphagneticola trilobata L.) attenuates cell proliferation by inducing cellular level apoptosis against colon cancer. Journal of King Saud University - Science, 2022, 34, 102084.	1.6	7
3541	Acidâ€Responsive Nanoporphyrin Evolution for Nearâ€Infrared Fluorescenceâ€Guided Photoâ€Ablation of Biofilm. Advanced Healthcare Materials, 2022, 11, e2200529.	3.9	14
3542	Paclitaxel and Myrrh oil Combination Therapy for Enhancement of Cytotoxicity against Breast Cancer; QbD Approach. Processes, 2022, 10, 907.	1.3	7
3543	Magnetically targeted delivery of Quercetin-loaded Ca1–xMnxFe2O4 nanocarriers: synthesis, characterization and in vitro study on HEK 293-T and MCF-7 cell lines. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	4
3544	Macrophage-evading and tumor-specific apoptosis inducing nanoparticles for targeted cancer therapy. Acta Pharmaceutica Sinica B, 2023, 13, 327-343.	5.7	14
3546	Controlled Release of TGF- $\hat{1}^2$ 3 for Effective Local Endogenous Repair in IDD Using Rat Model. International Journal of Nanomedicine, 2022, Volume 17, 2079-2096.	3.3	12
3547	The Preparation, Biodistribution, and Dosimetry of Encapsulated Radio-Scandium in a Dendrimer for Radio-nano-pharmaceutical Application. Iranian Journal of Pharmaceutical Research, 2022, In Press, .	0.3	0
3548	Molecular Visualization of Earlyâ€Stage Acute Kidney Injury with a DNA Framework Nanodevice. Advanced Science, 2022, 9, e2105947.	5.6	12
3549	Macrophage blockade using nature-inspired ferrihydrite for enhanced nanoparticle delivery to tumor. International Journal of Pharmaceutics, 2022, 621, 121795.	2.6	4
3550	Synthesis and Characterization of Molybdenum Oxide Nanoparticles by Green Method Useful in Antifungal Applications Against Colletotrichum Gloeosporioides. Journal of Biomaterials and Tissue Engineering, 2022, 12, 1071-1079.	0.0	1
3551	Advances in designing of polymeric micelles for biomedical application in brain related diseases. Chemico-Biological Interactions, 2022, 361, 109960.	1.7	21
3552	Targeted delivery of doxorubicin by Thermo/pH-responsive magnetic nanoparticles in a rat model of breast cancer. Toxicology and Applied Pharmacology, 2022, 446, 116036.	1.3	7

#	Article	IF	CITATIONS
3553	Collective guiding of acoustically propelled nano- and microparticles. Nanoscale Advances, 0, , .	2.2	7
3554	Plasmonic anisotropic gold nanorods: Preparation and biomedical applications. Nano Research, 2022, 15, 6372-6398.	5.8	15
3555	CD133-Functionalized Gold Nanoparticles as a Carrier Platform for Telaglenastat (CB-839) against Tumor Stem Cells. International Journal of Molecular Sciences, 2022, 23, 5479.	1.8	21
3556	An Overview of Green Synthesis and Potential Pharmaceutical Applications of Nanoparticles as Targeted Drug Delivery System in Biomedicines. Drug Research, 2022, , .	0.7	1
3557	Multifunctional metal-organic framework-based nanoreactor for starvation/oxidation improved indoleamine 2,3-dioxygenase-blockade tumor immunotherapy. Nature Communications, 2022, 13, 2688.	5.8	70
3558	Nanostructured polyvinylpyrrolidone-curcumin conjugates allowed for kidney-targeted treatment of cisplatin induced acute kidney injury. Bioactive Materials, 2023, 19, 282-291.	8.6	17
3559	Endocytosis Pathway Self-Regulation for Precise Image-Guided Therapy through an Enzyme-Responsive Modular Peptide Probe. Analytical Chemistry, 2022, 94, 7960-7969.	3.2	6
3560	Macrophage membrane biomimetic drug delivery system: for inflammation targeted therapy. Journal of Drug Targeting, 2023, 31, 229-242.	2.1	7
3561	Cell membrane-engineered nanoparticles for cancer therapy. Journal of Materials Chemistry B, 2022, 10, 7161-7172.	2.9	12
3562	Dynamic-responsive virus-mimetic nanocapsules facilitate protein drug penetration and extracellular-specific unpacking for antitumor treatment. Biomaterials Science, 2022, 10, 3447-3453.	2.6	4
3563	Trends and Perspectives in Bio- and Eco-friendly Sustainable Nanomaterial Delivery Systems Through Biological Barriers. Materials Chemistry Frontiers, 0, , .	3.2	4
3564	Novel therapeutics and drug-delivery approaches in the modulation of glioblastoma stem cell resistance. Therapeutic Delivery, 0 , , .	1.2	4
3565	Hollow Multicomponent Capsules for Biomedical Applications: A Comprehensive Review. Journal of Cluster Science, 2023, 34, 77-110.	1.7	3
3566	Generation of Selfâ€Assembled Structures Composed of Amphipathic, Charged Tripeptides for Intracellular Delivery of Proâ€Apoptotic Chemotherapeutics. Israel Journal of Chemistry, 2022, 62, .	1.0	3
3567	Therapeutic Effects of Zoledronic Acid-Loaded Hyaluronic Acid/Polyethylene Glycol/Nano-Hydroxyapatite Nanoparticles on Osteosarcoma. Frontiers in Bioengineering and Biotechnology, 2022, 10, .	2.0	9
3568	Nanoparticulate DNA scavenger loading methotrexate targets articular inflammation to enhance rheumatoid arthritis treatment. Biomaterials, 2022, 286, 121594.	5.7	12
3569	Novel EPR-enhanced strategies for targeted drug delivery in pancreatic cancer: An update. Journal of Drug Delivery Science and Technology, 2022, 73, 103459.	1.4	10
3570	Preparation of composite scaffolds composed of gelatin and Au nanostar-deposited black phosphorus nanosheets for the photothermal ablation of cancer cells and adipogenic differentiation of stem cells., 2022, 138, 212938.		4

#	Article	IF	CITATIONS
3571	Hollow mesoporous SiO2–ZnO nanocapsules and effective in vitro delivery of anticancer drugs against different cancers with low doses of drugs. Materials Chemistry and Physics, 2022, 287, 126287.	2.0	4
3572	Controlled synthesis of charged lignin nanocarriers by electrospray. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129314.	2.3	7
3573	Engineering mesoporous silica nanoparticles for drug delivery: where are we after two decades?. Chemical Society Reviews, 2022, 51, 5365-5451.	18.7	138
3574	Hydrophobic cargo loading at the core–corona interface of uniform, length-tunable aqueous diblock copolymer nanofibers with a crystalline polycarbonate core. Polymer Chemistry, 2022, 13, 4100-4110.	1.9	7
3575	Bioinspired and Biomimetic Nanomedicines for Targeted Cancer Therapy. Pharmaceutics, 2022, 14, 1109.	2.0	15
3576	Nanomedicines: A Focus on Nanomaterials as Drug Delivery System with Current Trends and Future Advancement. Drug Research, 2022, 72, 355-366.	0.7	2
3577	Peptide-decorated nanocarriers penetrating the blood-brain barrier for imaging and therapy of brain diseases. Advanced Drug Delivery Reviews, 2022, 187, 114362.	6.6	17
3578	pH-responsive phototherapeutic poly(acrylic acid)-calcium phosphate passivated TiO2 nanoparticle-based drug delivery system for cancer treatment applications. Journal of Industrial and Engineering Chemistry, 2022, 112, 258-270.	2.9	12
3579	Active targeting redox-responsive mannosylated prodrug nanocolloids promote tumor recognition and cell internalization for enhanced colon cancer chemotherapy. Acta Biomaterialia, 2022, 147, 299-313.	4.1	20
3580	Nanostructured Lipid Carriers: New Insight for Cancer Therapy. Nanoscience and Nanotechnology - Asia, 2022, 12, .	0.3	0
3581	Endosomal Escape of Bioactives Deployed via Nanocarriers: Insights Into the Design of Polymeric Micelles. Pharmaceutical Research, 2022, 39, 1047-1064.	1.7	13
3582	Perspectives of using microRNA-loaded nanocarriers for epigenetic reprogramming of drug resistant colorectal cancers. Seminars in Cancer Biology, 2022, 86, 358-375.	4.3	17
3583	Emerging concepts in designing next-generation multifunctional nanomedicine for cancer treatment. Bioscience Reports, 2022, 42, .	1.1	13
3584	Trends in Nanotechnology to improve therapeutic efficacy across special structures. OpenNano, 2022, 7, 100049.	1.8	11
3585	Modeling and optimization of nanovector drug delivery systems: exploring the most efficient algorithms. Journal of Nanoparticle Research, 2022, 24, .	0.8	1
3586	Glucosamine Sulphate Potassium Chloride in the Management of Osteoarthritis- considering Emulgel Dosage Form: A Review Current Nutrition and Food Science, 2022, 18, .	0.3	1
3587	Metal organic frameworks (MOFS) as non-viral carriers for DNA and RNA delivery: a review. Reviews in Inorganic Chemistry, 2022, .	1.8	3
3588	Involvement of Phytochemical-Encapsulated Nanoparticles' Interaction with Cellular Signalling in the Amelioration of Benign and Malignant Brain Tumours. Molecules, 2022, 27, 3561.	1.7	5

#	Article	IF	CITATIONS
3589	Hybrid micelles loaded with chemotherapeutic drug-photothermal agent realizing chemo-photothermal synergistic cancer therapy. European Journal of Pharmaceutical Sciences, 2022, 175, 106231.	1.9	7
3590	Immunogenic Cell Death Activates the Tumor Immune Microenvironment to Boost the Immunotherapy Efficiency. Advanced Science, 2022, 9, .	5.6	140
3591	Mucosomes: Intrinsically Mucoadhesive Glycosylated Mucin Nanoparticles as Multiâ€Drug Delivery Platform. Advanced Healthcare Materials, 2022, 11, .	3.9	9
3592	Effect of drug-to-lipid ratio on nanodisc-based tenofovir drug delivery to the brain for HIV-1 infection. Nanomedicine, 2022, 17, 959-978.	1.7	5
3593	Novel molecular approaches to combat vectors and vector-borne viruses: Special focus on RNA interference (RNAi) mechanisms. Acta Tropica, 2022, 233, 106539.	0.9	4
3595	Biological applications of ternary quantum dots: A review. Nanotechnology Reviews, 2022, 11, 2304-2319.	2.6	6
3596	Confined microemulsion sono-polymerization of poly(ethylene glycol) nanoparticles for targeted delivery. Chemical Communications, 2022, 58, 7777-7780.	2.2	7
3597	Nanobiomaterials in biomedicine: Designing approaches and critical concepts., 2022,, 345-361.		0
3598	Passive Targeting and the Enhanced Permeability and Retention (EPR) Effect., 2022, , 753-766.		0
3599	Effect of (3-aminopropyl)triethoxysilane on dissolution of silica nanoparticles synthesized <i>via</i> reverse micro emulsion. Nanoscale, 2022, 14, 9021-9030.	2.8	4
3600	Protein precoating modulates biomolecular coronas and nanocapsule–immune cell interactions in human blood. Journal of Materials Chemistry B, 2022, 10, 7607-7621.	2.9	9
3601	Pharmacokinetic Modeling of the Second-Wave Phenomenon in Nanobubble-Based Contrast-Enhanced Ultrasound. IEEE Transactions on Biomedical Engineering, 2023, 70, 42-54.	2.5	1
3602	Liposomes in drug targeting to brain tumors. , 2022, , 299-327.		1
3603	Toxicity of Nanoparticles of AgO, La ₂ O ₃ , CuO, AgO–Fe ₃ O ₄ , Ag-Graphene, and GO–Cu–AgO to the Fungus <i>Moniliella wahieum</i> Y12 ^T Isolated from Degraded Biodiesel and the Bacterium <i>Escherichia coli</i> /i>, Journal of Biomedical Nanotechnology, 2022, 18, 928-938.	0.5	0
3604	Future Treatment of Neuropathic Pain in Spinal Cord Injury: The Challenges of Nanomedicine, Supplements or Opportunities?. Biomedicines, 2022, 10, 1373.	1.4	4
3605	Design and Use of a Gold Nanoparticle–Carbon Dot Hybrid for a FLIM-Based IMPLICATION Nano Logic Gate. ACS Omega, 2022, 7, 22818-22824.	1.6	5
3606	New Era on Combining Both Imaging and Drug Delivery to Treat Cancer. Current Pharmaceutical Biotechnology, 2023, 24, 832-855.	0.9	2
3607	Block Co-PolyMOC Micelles and Structural Synergy as Composite Nanocarriers. ACS Applied Materials & Lamp; Interfaces, 2022, 14, 30546-30556.	4.0	1

#	Article	IF	CITATIONS
3608	End-Sealing of Peptide Nanotubes by Cationic Amphiphilic Polypeptides and Their Salt-Responsive Accordion-like Opening and Closing Behavior. Biomacromolecules, 2022, 23, 2785-2792.	2.6	4
3609	Functional cRGD-Conjugated Polymer Prodrug for Targeted Drug Delivery to Liver Cancer Cells. ACS Omega, 2022, 7, 21325-21336.	1.6	10
3610	Nanomedicine-based strategies to improve treatment of cutaneous leishmaniasis. Royal Society Open Science, 2022, 9, .	1.1	6
3611	Cell membrane-camouflaged inorganic nanoparticles for cancer therapy. Journal of Nanobiotechnology, 2022, 20, .	4.2	34
3612	Fluidity-Guided Assembly of Au@Pt on Liposomes as a Catalase-Powered Nanomotor for Effective Cell Uptake in Cancer Cells and Plant Leaves. ACS Nano, 2022, 16, 9019-9030.	7.3	16
3613	Exosomes as Theranostic Targets: Implications for the Clinical Prognosis of Aggressive Cancers. Frontiers in Molecular Biosciences, 0, 9, .	1.6	7
3614	Zinc ferrite nanoparticles embedded in hydroxyapatite for magnetic hyperthermia and sensitive to ionizing radiation. Journal of Alloys and Compounds, 2022, 920, 165887.	2.8	4
3617	An Overview of the Importance of Transition-Metal Nanoparticles in Cancer Research. International Journal of Molecular Sciences, 2022, 23, 6688.	1.8	16
3618	Magnetic Nanoparticles for Imaging, Diagnosis, and Drug-Delivery Applications., 2022,, 98-129.		0
3619	Advances and applications of monoolein as a novel nanomaterial in mitigating chronic lung diseases. Journal of Drug Delivery Science and Technology, 2022, 74, 103541.	1.4	7
3620	Surface Engineered Dendrimers: A Potential Nanocarrier for the Effective Management of Glioblastoma Multiforme. Current Drug Metabolism, 2022, 23, .	0.7	2
3621	Design, preparation and pharmacodynamics of ICG-Fe(â¢) based HCPT nanocrystals against cancer. Asian Journal of Pharmaceutical Sciences, 2022, 17, 596-609.	4.3	3
3622	Calcium-Differentiated Cellular Internalization of Allosteric Framework Nucleic Acids for Targeted Payload Delivery. Analytical Chemistry, 2022, 94, 9097-9105.	3.2	3
3623	Mechanism assay of interaction between blood vessels-near infrared probe and cell surface marker proteins of endothelial cells. Materials Today Bio, 2022, 15, 100332.	2.6	1
3624	Nanomaterials in Animal Husbandry: Research and Prospects. Frontiers in Genetics, 0, 13, .	1.1	2
3625	Dual-responsive nanoparticles loading bevacizumab and gefitinib for molecular targeted therapy against non-small cell lung cancer. Acta Pharmacologica Sinica, 2023, 44, 244-254.	2.8	4
3626	Molecularly Imprinted Polymers Exhibit Low Cytotoxic and Inflammatory Properties in Macrophages In Vitro. Applied Sciences (Switzerland), 2022, 12, 6091.	1.3	3
3627	Construction of NIR etchable nanoparticles via co-assembly strategy for appointed delivery. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, , 129395.	2.3	1

#	Article	IF	Citations
3628	Use of Nanomaterials for Diagnosis and Treatment: The Advancement of Next-Generation Antiviral Therapy. Microbial Drug Resistance, 2022, 28, 670-697.	0.9	4
3629	Non-canonical WNT signalling in cardiovascular disease: mechanisms and therapeutic implications. Nature Reviews Cardiology, 2022, 19, 783-797.	6.1	36
3630	Taxanes prodrug-based nanomedicines for cancer therapy. Journal of Controlled Release, 2022, 348, 672-691.	4.8	14
3631	Recent advancements of nanoparticles application in cancer and neurodegenerative disorders: At a glance. Biomedicine and Pharmacotherapy, 2022, 153, 113305.	2.5	50
3633	Layered double hydroxide-based nanomaterials for biomedical applications. Chemical Society Reviews, 2022, 51, 6126-6176.	18.7	133
3634	Stability of therapeutic nano-drugs during storage and transportation as well as after ingestion in the human body., 2022,, 83-102.		2
3636	Single-molecule photosensitizers for NIR-II fluorescence and photoacoustic imaging guided precise anticancer phototherapy. Chemical Science, 2022, 13, 9719-9726.	3.7	22
3637	In vitro evaluation and spectroscopic characterization of nanomaterials for theranostic applications., 2022,, 73-102.		0
3638	Improved survival rate and minimal side effects of doxorubicin for lung metastasis using engineered discoidal polymeric particles. Biomaterials Science, 0, , .	2.6	0
3639	Application of extracellular vesicles in the diagnosis and treatment of infection and bacterial resistance., 2022,, 577-590.		0
3640	Approaches to Improve Macromolecule and Nanoparticle Accumulation in the Tumor Microenvironment by the Enhanced Permeability and Retention Effect. Polymers, 2022, 14, 2601.	2.0	44
3641	Nanocarriers: The Promising Future to Cancer Diagnostics and Treatment. Biomedical and Pharmacology Journal, 2022, 15, 785-802.	0.2	2
3642	Carbon Nanotubes in Tumor-Targeted Chemotherapeutic Formulations: A Review of Opportunities and Challenges. ACS Applied Nano Materials, 2022, 5, 8649-8679.	2.4	6
3643	pH-activatable lactam-stapled peptide-based nanoassemblies for enhanced chemo-photothermal therapy. Nano Research, 2022, 15, 8315-8325.	5.8	1
3644	Small tumour microparticle enhances drug delivery efficiency and therapeutic antitumour efficacy. Cancer Nanotechnology, 2022, 13, .	1.9	3
3645	Ultrasmall Superparamagnetic Iron Oxide Nanoparticles as Nanocarriers for Magnetic Resonance Imaging: Development and <i>In Vivo</i> Characterization. ACS Applied Nano Materials, 2022, 5, 9625-9632.	2.4	10
3646	Hepatoprotective Effect of Silver Nanoparticles at Two Different Particle Sizes: Comparative Study with and without Silymarin. Current Issues in Molecular Biology, 2022, 44, 2923-2938.	1.0	10
3647	Promise and Perspective of Nanomaterials in Antisenescence Tissue Engineering Applications. ACS Biomaterials Science and Engineering, 2022, 8, 3133-3141.	2.6	5

#	Article	IF	CITATIONS
3648	Pre-clinical 2D and 3D toxicity response to a panel of nanomaterials; comparative assessment of NBM-induced liver toxicity. Drug Delivery and Translational Research, 2022, 12, 2157-2177.	3.0	7
3649	Targeted Nanocarrier Delivery of RNA Therapeutics to Control HIV Infection. Pharmaceutics, 2022, 14, 1352.	2.0	1
3650	High-Density Branched PEGylation for Nanoparticle Drug Delivery. Cellular and Molecular Bioengineering, 2022, 15, 355-366.	1.0	4
3651	Redox-sensitive doxorubicin liposome: a formulation approach for targeted tumor therapy. Scientific Reports, 2022, 12, .	1.6	13
3652	Tracking the immune response by MRI using biodegradable and ultrasensitive microprobes. Science Advances, 2022, 8, .	4.7	6
3653	Nanobiomaterials to modulate natural killer cell responses for effective cancer immunotherapy. Trends in Biotechnology, 2023, 41, 77-92.	4.9	7
3654	Interference of layered double hydroxide nanoparticles with pathways for biomedical applications. Advanced Drug Delivery Reviews, 2022, 188, 114451.	6.6	18
3655	New Water-Soluble Magnetic Field-Induced Drug Delivery System Obtained Via Preferential Molecular Marriage over Narcissistic Self-Sorting. Langmuir, 2022, 38, 8999-9009.	1.6	2
3656	High-Efficiency Treatment for Osteoarthritis <i>via</i> Self-Assembled Dual-Functionalized Nanobiologics. ACS Biomaterials Science and Engineering, 2022, 8, 3320-3328.	2.6	2
3657	Modulated plasmonic nanofibrous scaffold reinforced breast cancer photo-ablation and breast neurotization with resensation. Composites Part B: Engineering, 2022, 243, 110129.	5.9	3
3658	Nanoparticle elasticity affects systemic circulation lifetime by modulating adsorption of apolipoprotein A-I in corona formation. Nature Communications, 2022, 13, .	5.8	32
3659	Carbon nanotubes in biomedical applications: current status, promises, and challenges. Carbon Letters, 2022, 32, 1207-1226.	3.3	46
3660	Radiation Cleaved Drug-Conjugate Linkers Enable Local Payload Release. Bioconjugate Chemistry, 2022, 33, 1474-1484.	1.8	7
3661	Nanomaterials-Mediated Therapeutics and Diagnosis Strategies for Myocardial Infarction. Frontiers in Chemistry, $0,10,\ldots$	1.8	4
3662	Current Strategies of Photoacoustic Imaging Assisted Cancer Theragnostics toward Clinical Studies. ACS Photonics, 2022, 9, 2555-2578.	3.2	14
3663	Multiphysics pharmacokinetic model for targeted nanoparticles. Frontiers in Medical Technology, 0, 4, .	1.3	1
3664	The role of imaging in targeted delivery of nanomedicine for cancer therapy. Advanced Drug Delivery Reviews, 2022, 189, 114447.	6.6	24
3665	Development of a multi-route physiologically based pharmacokinetic (PBPK) model for nanomaterials: a comparison between a traditional versus a new route-specific approach using gold nanoparticles in rats. Particle and Fibre Toxicology, 2022, 19, .	2.8	15

#	Article	IF	CITATIONS
3666	Thermo-sensitive self-assembly of poly(ethylene imine)/(phenylthio) acetic acid ion pair in surfactant solutions. Drug Delivery, 2022, 29, 2245-2257.	2.5	3
3667	Trends in iron oxide nanoparticles: a nano-platform for theranostic application in breast cancer. Journal of Drug Targeting, 0 , $1-21$.	2.1	6
3668	Stability characterization for pharmaceutical liposome product development with focus on regulatory considerations: An update. International Journal of Pharmaceutics, 2022, 624, 122022.	2.6	31
3669	Mechanism Study on Nanoparticle Negative Surface Charge Modification by Ascorbyl Palmitate and Its Improvement of Tumor Targeting Ability. Molecules, 2022, 27, 4408.	1.7	8
3670	Z-domain protein nano-bio interfaced MRI visible anti-program death ligand-1 nanoconjugates for enhanced local immune checkpoint inhibitor immunotherapy. Nano Today, 2022, 45, 101552.	6.2	6
3671	Evaluating the effect of curcumin on the metacestode of Taenia crassiceps. Experimental Parasitology, 2022, 239, 108319.	0.5	1
3672	Doxorubicin and Imatinib co-drug delivery using non-covalently functionalized carbon nanotube: Molecular dynamics study. Journal of Molecular Liquids, 2022, 362, 119789.	2.3	9
3673	Nanoparticle entry into cells; the cell biology weak link. Advanced Drug Delivery Reviews, 2022, 188, 114403.	6.6	31
3674	Nanotherapeutic treatment of the invasive glioblastoma tumor microenvironment. Advanced Drug Delivery Reviews, 2022, 188, 114415.	6.6	20
3675	Extracellular vesicles for renal therapeutics: State of the art and future perspective. Journal of Controlled Release, 2022, 349, 32-50.	4.8	20
3676	An update on dual targeting strategy for cancer treatment. Journal of Controlled Release, 2022, 349, 67-96.	4.8	18
3677	Progress on carbon dots and hydroxyapatite based biocompatible luminescent nanomaterials for cancer theranostics. Translational Oncology, 2022, 24, 101482.	1.7	8
3678	Macrophage membrane-biomimetic adhesive polycaprolactone nanocamptothecin for improving cancer-targeting efficiency and impairing metastasis. Bioactive Materials, 2023, 20, 449-462.	8.6	29
3679	Stepwise Size Shrinkage Cascadeâ€Activated Supramolecular Prodrug Boosts Antitumor Immunity by Eliciting Pyroptosis. Advanced Science, 2022, 9, .	5. 6	35
3680	Construction of Folate-Conjugated and pH-Responsive Cell Membrane Mimetic Mixed Micelles for Desirable DOX Release and Enhanced Tumor-Cellular Target. Langmuir, 2022, 38, 9546-9555.	1.6	6
3681	Self-therapeutic metal-based nanoparticles for treating inflammatory diseases. Acta Pharmaceutica Sinica B, 2023, 13, 1847-1865.	5.7	11
3682	Ultrasmall-in-Nano: Why Size Matters. Nanomaterials, 2022, 12, 2476.	1.9	18
3683	Nanoparticles Targeting and Uptake: Current Advances in Breast Cancer Research. , 2022, , 171-195.		O

#	Article	IF	CITATIONS
3684	Comprehensive and systematic characterization of multi-functionalized cisplatin nano-conjugate: from the chemistry and proteomic biocompatibility to the animal model. Journal of Nanobiotechnology, 2022, 20, .	4.2	5
3685	Magnetic nanoparticles-based systems for multifaceted biomedical applications. Journal of Drug Delivery Science and Technology, 2022, 74, 103616.	1.4	5
3686	Polymeric particle-based therapies for acute inflammatory diseases. Nature Reviews Materials, 2022, 7, 796-813.	23.3	34
3687	Thinking about Enhanced Permeability and Retention Effect (EPR). Journal of Personalized Medicine, 2022, 12, 1259.	1.1	13
3688	Nanoparticles-Based Strategies to Improve the Delivery of Therapeutic Small Interfering RNA in Precision Oncology. Pharmaceutics, 2022, 14, 1586.	2.0	12
3689	Compatibilized Biopolymer-based Core–shell Nanoparticles: A New Frontier in Malaria Combo-therapy. Journal of Pharmaceutical Innovation, 0, , .	1.1	0
3690	Macrophage-Targeting and Complete Lysosomal Degradation of Self-assembled Two-Dimensional Poly(ε-caprolactone) Platelet Particles. ACS Applied Materials & Samp; Interfaces, 2022, 14, 35333-35343.	4.0	7
3691	A Comprehensive Review of One Decade of Microfluidic Platforms Applications in Synthesis of Enhanced Carriers Utilized in Controlled Drug Delivery. Advanced Materials Technologies, 2022, 7, .	3.0	8
3693	Cationâ€Ï€ Interactionâ€Mediated Tumour Drug Delivery for Deep Intratumoral Penetration and Treatment. Advanced Functional Materials, 2022, 32, .	7.8	9
3694	Photodynamic and antibacterial studies of template-assisted Fe2O3-TiO2 nanocomposites. Photodiagnosis and Photodynamic Therapy, 2022, 40, 103064.	1.3	1
3695	Engineering of Biodegradable and Excretable Inflammationâ€Resolving Materials. Advanced Functional Materials, 2022, 32, .	7.8	4
3696	Radiolabeled Trastuzumab Solid Lipid Nanoparticles for Breast Cancer Cell: in Vitro and in Vivo Studies. ACS Omega, 2022, 7, 30015-30027.	1.6	6
3697	Yolk-shell shaped Au-Bi ₂ S ₃ heterostructure nanoparticles for controlled drug release and combined tumor therapy. Nanotechnology, 2022, 33, 455103.	1.3	2
3698	Enhancing Doxorubicin Delivery in Solid Tumor by Superhydrophobic Amorphous Calcium Carbonate–Doxorubicin Silica Nanoparticles with Focused Ultrasound. Molecular Pharmaceutics, 2022, 19, 3894-3905.	2.3	6
3699	Liposomes as Multifunctional Nano-Carriers for Medicinal Natural Products. Frontiers in Chemistry, $0,10,1$	1.8	22
3700	Immunostimulatory Polymers as Adjuvants, Immunotherapies, and Delivery Systems. Macromolecules, 2022, 55, 6913-6937.	2.2	20
3701	The unique second wave phenomenon in contrast enhanced ultrasound imaging with nanobubbles. Scientific Reports, 2022, 12, .	1.6	10
3702	Polyhydroxyalkanoate Decelerates the Release of Paclitaxel from Poly(lactic-co-glycolic acid) Nanoparticles. Pharmaceutics, 2022, 14, 1618.	2.0	2

#	ARTICLE	IF	CITATIONS
3703	Multi-functional engineered polypeptide-based drug delivery systems for improved cancer therapy. Green Chemical Engineering, 2022, , .	3.3	2
3704	Optimized Cationic Lipid-assisted Nanoparticle for Delivering CpG Oligodeoxynucleotides to Treat Hepatitis B Virus Infection. Pharmaceutical Research, 0, , .	1.7	1
3705	High-Yield ^{99m} Tc Labeling of Gold Nanoparticles Carrying Atropine and Adrenaline. Bioconjugate Chemistry, 2022, 33, 1741-1749.	1.8	2
3706	Smart drug delivery systems for precise cancer therapy. Acta Pharmaceutica Sinica B, 2022, 12, 4098-4121.	5.7	47
3707	Targeted nanotherapy for kidney diseases: a comprehensive review. Nephrology Dialysis Transplantation, 2023, 38, 1385-1396.	0.4	2
3708	Nanomedicines for Overcoming Cancer Drug Resistance. Pharmaceutics, 2022, 14, 1606.	2.0	9
3709	Use of acidic nanoparticles to rescue macrophage lysosomal dysfunction in atherosclerosis. Autophagy, 2023, 19, 886-903.	4.3	11
3710	Self-carried nanodrug (SCND-SIS3): A targeted therapy for lung cancer with superior biocompatibility and immune boosting effects. Biomaterials, 2022, 288, 121730.	5.7	10
3711	The role of ex-situ perfusion for thoracic organs. Current Opinion in Organ Transplantation, 0, Publish Ahead of Print, .	0.8	3
3712	Modulation of Neuroinflammation Via Selective Nanoparticleâ€Mediated Drug Delivery to Activated Microglia/Macrophages in Spinal Cord Injury. Advanced Therapeutics, 0, , 2200083.	1.6	O
3713	Strategies for drug targeting in pancreatic cancer. Pancreatology, 2022, , .	0.5	0
3714	Impact of Polyethylene Glycol (PEG) Conformations on the <i>In Vivo</i> Fate and Drug Release Behavior of PEGylated Core-Cross-Linked Polymeric Nanoparticles. Biomacromolecules, 2022, 23, 3909-3918.	2.6	9
3715	Zwitterionic Amino Acid Polymer-Grafted Core-Crosslinked Particle toward Tumor Delivery. Biomacromolecules, 2022, 23, 3968-3977.	2.6	7
3716	Pharmacokinetic behaviors of soft nanoparticulate formulations of chemotherapeutics. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2023, 15, .	3.3	3
3717	Spatiotemporal Distribution of Mesoporous Silica Nanoparticles in Tissue-Mimicking Collagen Using Lab-on-a-Chip Technology for Drug Carrier Diffusivity Evaluation. ACS Applied Nano Materials, 2022, 5, 12435-12443.	2.4	0
3718	Formulation Strategies to Enable Delivery of Therapeutic Peptides across Cell Membranes. ACS Symposium Series, 0, , 223-254.	0.5	O
3719	Bridging the Gap between Nonliving Matter and Cellular Life. Small, 2023, 19, .	5.2	4
3720	Nanotechnology-Based Combinatorial Anti-Glioblastoma Therapies: Moving from Terminal to Treatable. Pharmaceutics, 2022, 14, 1697.	2.0	7

#	Article	IF	CITATIONS
3721	Selfâ€assembly of methoxy poly(ethylene glycol)â€cholesterol micelles for controlled quercetin delivery with toxicity test in <i>Danio rerio</i> model. Journal of Applied Polymer Science, 2022, 139, .	1.3	0
3722	Catalase-mimicking synthetic nano-enzymes can reduce lipopolysaccharide-induced reactive oxygen generation and promote rapid detection of hydrogen peroxide and l-cysteine. Journal of Pharmaceutical Investigation, 2022, 52, 749-764.	2.7	3
3723	The role of size in PEGylated liposomal doxorubicin biodistribution and antiâ€tumour activity. IET Nanobiotechnology, 2022, 16, 259-272.	1.9	11
3724	A Critical Scrutiny on Liposomal Nanoparticles Drug Carriers as Modelled by Topotecan Encapsulation and Release in Treating Cancer. Evidence-based Complementary and Alternative Medicine, 2022, 2022, 1-7.	0.5	2
3725	Nanotherapies from an oncologist doctor's view. Smart Materials in Medicine, 2023, 4, 183-198.	3.7	1
3726	Folic acid-decorated PEGylated magnetite nanoparticles as efficient drug carriers to tumor cells overexpressing folic acid receptor. International Journal of Pharmaceutics, 2022, 625, 122064.	2.6	11
3727	A review of synthesis, fabrication, and emerging biomedical applications of metal-organic frameworks. , 2022, 140, 213049.		20
3728	Fluorene methoxycarbonyl-PEG-deferoxamine conjugates "hitchhike―with albumin in situ for iron overload therapy. International Journal of Pharmaceutics, 2022, 625, 122136.	2.6	1
3729	How safe are magnetic nanomotors: From cells to animals. , 2022, 140, 213048.		8
3730	Bone-targeting PLGA derived lipid drug delivery system ameliorates bone loss in osteoporotic ovariectomized rats. Materials and Design, 2022, 221, 110967.	3.3	3
3731	Engineering nanosystems to overcome barriers to cancer diagnosis and treatment. Advanced Drug Delivery Reviews, 2022, 189, 114482.	6.6	25
3732	Spheroplexes: Hybrid PLGA-cationic lipid nanoparticles, for in vitro and oral delivery of siRNA. Journal of Controlled Release, 2022, 350, 228-243.	4.8	14
3733	Transcytosis-enabled active extravasation of tumor nanomedicine. Advanced Drug Delivery Reviews, 2022, 189, 114480.	6.6	30
3734	Hexa-BODIPY-cyclotriphosphazene based nanoparticle for NIR fluorescence/photoacoustic dual-modal imaging and photothermal cancer therapy. Biosensors and Bioelectronics, 2022, 216, 114612.	5. 3	22
3735	99mTc-labeled keratin gold-nanoparticles in a nephron-like microfluidic chip for photo-thermal therapy applications. Materials Today Advances, 2022, 16, 100286.	2.5	19
3736	Neutrophil membrane camouflaged nanoprobes for NIR-II fluorescence imaging of inflamed, high-risk atherosclerotic plaques in mouse and rabbit models. Materials Today Chemistry, 2022, 26, 101062.	1.7	3
3737	Surfactant-induced fluorescence enhancement of a quinoline-coumarin derivative in aqueous solutions and dropcast films. Journal of Photochemistry and Photobiology A: Chemistry, 2023, 434, 114209.	2.0	3
3738	Tailoring radiotherapies and nanotechnology for targeted treatment of solid tumors. Coordination Chemistry Reviews, 2022, 472, 214757.	9.5	14

#	Article	IF	CITATIONS
3739	Amination-mediated nano eye-drops with enhanced corneal permeability and effective burst release for acute glaucoma treatment. Chemical Engineering Journal, 2023, 451, 138620.	6.6	28
3740	Effects of Graphene Oxide and Reduced Graphene Oxide Nanostructures on CD4+ Th2 Lymphocytes. International Journal of Molecular Sciences, 2022, 23, 10625.	1.8	6
3741	Enhancing the Stability of Bacteriophages Using Physical, Chemical, and Nano-Based Approaches: A Review. Pharmaceutics, 2022, 14, 1936.	2.0	10
3742	Nanocarriers as a Delivery Platform for Anticancer Treatment: Biological Limits and Perspectives in B-Cell Malignancies. Pharmaceutics, 2022, 14, 1965.	2.0	4
3743	Novel Nanotechnology Approaches to Overcome Drug Resistance in the Treatment of Hepatocellular Carcinoma: Glypican 3 as a Useful Target for Innovative Therapies. International Journal of Molecular Sciences, 2022, 23, 10038.	1.8	4
3744	CRISPR-Cas9 based non-viral approaches in nanoparticle elicited therapeutic delivery. Journal of Drug Delivery Science and Technology, 2022, 76, 103737.	1.4	1
3745	Dendrimer-based delivery of macromolecules for the treatment of brain tumor., 2022, 141, 213118.		9
3746	Supramolecular erythrocytes-hitchhiking drug delivery system for specific therapy of acute pneumonia. Journal of Controlled Release, 2022, 350, 777-786.	4.8	7
3747	Nano-drug delivery systems for T cell-based immunotherapy. Nano Today, 2022, 46, 101621.	6.2	13
3748	Shape-directed drug release and transport of erythrocyte-like nanodisks augment chemotherapy. Journal of Controlled Release, 2022, 350, 886-897.	4.8	4
3749	Construction of MPDA@IR780 nano drug carriers and photothermal therapy of tumor cells. Journal of Drug Delivery Science and Technology, 2022, 76, 103819.	1.4	2
3750	Lipopeptide liposomes-loaded hydrogel for multistage transdermal chemotherapy of melanoma. Journal of Controlled Release, 2022, 351, 245-254.	4.8	13
3751	Stealth nanoparticles in oncology: Facing the PEG dilemma. Journal of Controlled Release, 2022, 351, 22-36.	4.8	59
3752	State-of-art high-performance Nano-systems for mutated coronavirus infection management: From Lab to Clinic. OpenNano, 2022, 8, 100078.	1.8	11
3753	Lymph node-targeting nanovaccines for cancer immunotherapy. Journal of Controlled Release, 2022, 351, 102-122.	4.8	18
3754	Advancements in clinical translation of flavonoid nanoparticles for cancer treatment. OpenNano, 2022, 8, 100074.	1.8	13
3755	Nanozyme-laden intelligent macrophage EXPRESS amplifying cancer photothermal-starvation therapy by responsive stimulation. Materials Today Bio, 2022, 16, 100421.	2.6	7
3756	Stimulus-responsive inorganic semiconductor nanomaterials for tumor-specific theranostics. Coordination Chemistry Reviews, 2022, 473, 214821.	9.5	4

#	Article	IF	CITATIONS
3757	Biomimetic PLGA-based nanocomplexes for improved tumor penetration to enhance chemo-photodynamic therapy against metastasis of TNBC. Materials Today Advances, 2022, 16, 100289.	2.5	6
3758	Biopolymers based aerogels: A review on revolutionary solutions for smart therapeutics delivery. Progress in Materials Science, 2023, 131, 101014.	16.0	41
3759	Application of Kojic transport model (KTM) to convective-diffusive transport and electrophysiology in tissue and capillaries., 2023,, 145-220.		0
3760	Role of protein corona on nanoparticle-mediated organ and cell-targeted delivery. , 2022, , .		0
3761	Pro-apoptotic and size-reducing effects of protein corona-modulating nano-architectures enclosing platinum prodrug in <i>in vivo</i> oral carcinoma. Biomaterials Science, 2022, 10, 6135-6145.	2.6	10
3762	"Nano effects― a review on nanoparticle-induced multifarious systemic effects on cancer theranostic applications. Materials Advances, 0, , .	2.6	1
3763	RNA/Polymer-Based Supramolecular Approaches for mRNA Delivery. RNA Technologies, 2022, , 337-354.	0.2	0
3764	Recent advances in nanotechnology approaches for non-viral gene therapy. Biomaterials Science, 2022, 10, 6862-6892.	2.6	15
3765	Particle-size-dependent biological distribution of gold nanoparticles after interstitial injection. Materials Chemistry Frontiers, 2022, 6, 2760-2767.	3. 2	1
3766	Nanotechnology Advances in the Detection and Treatment of Cancer: An Overview. Nanotheranostics, 2022, 6, 400-423.	2.7	43
3767	Multiplexed strategies toward clinical translation of extracellular vesicles. Theranostics, 2022, 12, 6740-6761.	4.6	12
3768	A novel immunochemotherapy based on immunogenicity-activated and immunosuppression-reversed biomimetic nanoparticles. RSC Advances, 2022, 12, 28104-28112.	1.7	3
3769	Polymeric micelles for drug delivery in oncology with an emphasis on siRNA conveyance., 2022,, 199-284.		0
3770	Medical applications of quantum dots. , 2022, , 803-836.		3
3771	Nanotechnology for Enhancing Medical Imaging. Micro/Nano Technologies, 2022, , 1-60.	0.1	0
3772	Cellular interaction of polymeric micelles in targeted drug delivery systems: the road from tissue to cell., 2022,, 315-345.		0
3773	Cationic Amphiphilic Molecules as Bactericidal Agents. , 2022, , 277-302.		0
3774	Interaction of Nanomaterials with Protein-Peptide. Current Protein and Peptide Science, 2022, 23, 548-562.	0.7	3

#	Article	IF	CITATIONS
3775	Erythro–Magneto–HA–Virosome: A Bio-Inspired Drug Delivery System for Active Targeting of Drugs in the Lungs. International Journal of Molecular Sciences, 2022, 23, 9893.	1.8	2
3776	Modified Stability of microRNA-Loaded Nanoparticles. Pharmaceutics, 2022, 14, 1829.	2.0	1
3777	Alpha-Mangostin-Loaded Transferrin-Conjugated Lipid-Polymer Hybrid Nanoparticles: Development and Characterization for Tumor-Targeted Delivery. Scientific World Journal, The, 2022, 2022, 1-10.	0.8	3
3779	Anti-Inflammatory Therapy for Temporomandibular Joint Osteoarthritis Using mRNA Medicine Encoding Interleukin-1 Receptor Antagonist. Pharmaceutics, 2022, 14, 1785.	2.0	5
3780	Engineering nano-drug biointerface to overcome biological barriers toward precision drug delivery. Journal of Nanobiotechnology, 2022, 20, .	4.2	45
3781	New Amphiphilic Branched Copolymers of N-Vinylpyrrolidone with Methacrylic Acid for Biomedical Applications. Polymer Science - Series A, 0, , .	0.4	6
3782	A single intravenous injection of cyclosporin Aâ \in loaded lipid nanocapsules prevents retinopathy of prematurity. Science Advances, 2022, 8, .	4.7	8
3783	Vaginal Nanoformulations for the Management of Preterm Birth. Pharmaceutics, 2022, 14, 2019.	2.0	3
3784	Emerging nanotechnology-based therapeutics to combat multidrug-resistant cancer. Journal of Nanobiotechnology, 2022, 20, .	4.2	22
3785	Peptide-based assembled nanostructures that can direct cellular responses. Biomedical Materials (Bristol), 2022, 17, 062002.	1.7	1
3786	FORMULATION AND OPTIMIZATION OF HYDROXYUREA LOADED NANOSTRUCTURED LIPID CARRIERS USING DESIGN OF EXPERIMENT FOR THE EFFECTIVE TREATMENT OF OVARIAN CANCER. International Journal of Applied Pharmaceutics, 0, , 137-143.	0.3	0
3787	Poly(acrylic acid)- <i>b</i> -Poly(vinylamine) Copolymer: Decoration with Silver Nanoparticles, Antibacterial Properties, Quorum Sensing Activity, and Cytotoxicity on Breast Cancer and Fibroblast Cell Lines. ACS Applied Polymer Materials, 2022, 4, 7268-7281.	2.0	3
3788	Liposomal UHRF1 siRNA shows lung fibrosis treatment potential through regulation of fibroblast activation. JCI Insight, 2022, 7, .	2.3	3
3789	Design Strategies of Tumorâ€Targeted Delivery Systems Based on 2D Nanomaterials. Small Methods, 2022, 6, .	4.6	13
3790	Enhanced permeability and retention effect-focused tumor-targeted nanomedicines: latest trends, obstacles and future perspective. Nanomedicine, 2022, 17, 1213-1216.	1.7	11
3791	Multi-functionalized single-walled carbon nanotubes as delivery carriers: promote the targeting uptake and antitumor efficacy of doxorubicin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2022, 102, 801-817.	0.9	2
3792	Integrinâ€Enriched Membrane Nanocarrier for the Specific Delivery of RGDâ€modified Relaxin Analog to Inhibit Pancreatic Cancer Liver Metastasis through Reversing Hepatic Stellate Cell Activation. Advanced Functional Materials, 2022, 32, .	7.8	6
3793	Implication of Nanoparticles to Combat Chronic Liver and Kidney Diseases: Progress and Perspectives. Biomolecules, 2022, 12, 1337.	1.8	7

#	Article	IF	CITATIONS
3794	mRNA nanomedicine: Design and recent applications. Exploration, 2022, 2, .	5.4	37
3795	Gold nanoblackbodiesÂmediated plasmonic photothermal cancer therapy for melanoma. Nanomedicine, 2022, 17, 1323-1338.	1.7	6
3796	A Two-Pronged Strategy for Enhanced Deep-Tumor Penetration and NIR-II Multimodal Imaging-Monitored Photothermal Therapy. ACS Applied Materials & Interfaces, 2022, 14, 41684-41694.	4.0	2
3797	Cell membrane-coated mesoporous silica nanorods overcome sequential drug delivery barriers against colorectal cancer. Chinese Chemical Letters, 2023, 34, 107828.	4.8	8
3798	Biomineralized Manganese Oxide Nanoparticles Synergistically Relieve Tumor Hypoxia and Activate Immune Response with Radiotherapy in Non-Small Cell Lung Cancer. Nanomaterials, 2022, 12, 3138.	1.9	10
3799	Bone-Targeting Nanoparticles of a Dendritic (Aspartic acid) 3-Functionalized PEG-PLGA Biopolymer Encapsulating Simvastatin for the Treatment of Osteoporosis in Rat Models. International Journal of Molecular Sciences, 2022, 23, 10530.	1.8	4
3800	Self-illuminating NIR-II bioluminescence imaging probe based on silver sulfide quantum dots. ACS Nano, 2022, 16, 16824-16832.	7.3	14
3801	MXenes in Cancer Nanotheranostics. Nanomaterials, 2022, 12, 3360.	1.9	20
3802	Novel Strategies against Cancer: Dexibuprofen-Loaded Nanostructured Lipid Carriers. International Journal of Molecular Sciences, 2022, 23, 11310.	1.8	9
3803	Recent advances in bacterial therapeutics based on sense and response. Acta Pharmaceutica Sinica B, 2023, 13, 1014-1027.	5.7	4
3804	Characterization and Biomedical Application Opportunities of the Nanoparticle's Protein Corona. Advanced Materials Interfaces, 2022, 9, .	1.9	4
3805	The antibacterial properties of nano ZnMoO4 powder. Journal of Materials Science, 2022, 57, 16820-16829.	1.7	0
3806	Penicillamine-Capped Red-Emitting Gold Nanoclusters for Therapeutic Application. ACS Sustainable Chemistry and Engineering, 2022, 10, 12730-12737.	3.2	6
3807	Nanotechnology for research and treatment of the intestine. Journal of Nanobiotechnology, 2022, 20,	4.2	1
3808	Nanoparticle-Labeled Exosomes as Theranostic Agents: A Review. ACS Applied Nano Materials, 2022, 5, 12265-12275.	2.4	4
3809	Curcumin/Zeolitic Imidazolate Framework-8 Nanoparticle-Integrated Microneedles for pH-Responsive Treatment of Skin Disorders. ACS Applied Nano Materials, 2022, 5, 13671-13679.	2.4	10
3810	Nanomaterials: A Review about Halloysite Nanotubes, Properties, and Application in the Biological Field. International Journal of Molecular Sciences, 2022, 23, 11518.	1.8	18
3811	Development of amino acid-modified biodegradable lipid nanoparticles for siRNA delivery. Acta Biomaterialia, 2022, 154, 374-384.	4.1	6

#	Article	IF	CITATIONS
3812	Optimization and Appraisal of Chitosan-Grafted PLGA Nanoparticles for Boosting Pharmacokinetic and Pharmacodynamic Effect of Duloxetine HCl Using Box-Benkhen Design. Journal of Pharmaceutical Sciences, 2023, 112, 544-561.	1.6	2
3813	Non-Viral Delivery of CRISPR/Cas Cargo to the Retina Using Nanoparticles: Current Possibilities, Challenges, and Limitations. Pharmaceutics, 2022, 14, 1842.	2.0	15
3814	Nanocarriers for cancer nano-immunotherapy. Drug Delivery and Translational Research, 2023, 13, 1936-1954.	3.0	17
3815	Anti-atherosclerotic therapies: Milestones, challenges, and emerging innovations. Molecular Therapy, 2022, 30, 3106-3117.	3.7	23
3816	Characterization of lipid-based nanomedicines at the single-particle level. Fundamental Research, 2023, 3, 488-504.	1.6	8
3817	Interrogating the impact of aggregationâ€induced emission nanoparticles on in vitro protein stability, ex vivo protein homeostasis, and in vivo biocompatibility. Aggregate, 2022, 3, .	5.2	7
3818	Endogenous Stimuli-Responsive Autonomous Separation of Dual-Targeting DNA Guided Missile from Nanospacecraft for Intelligent Targeted Cancer Therapy. ACS Applied Materials & Diterfaces, 2022, 14, 45201-45216.	4.0	7
3819	Upscaling Hydrodynamic Dispersion in Nonâ€Newtonian Fluid Flow Through Porous Media. Water Resources Research, 2022, 58, .	1.7	4
3820	A Multiâ€Bioactive Nanomicelleâ€Based "One Stone for Multiple Birds―Strategy for Precision Therapy of Abdominal Aortic Aneurysms. Advanced Materials, 2022, 34, .	11.1	4
3821	Hydrogenated Germanene Nanosheets as an Antioxidative Defense Agent for Acute Kidney Injury Treatment. Advanced Science, 2022, 9, .	5.6	13
3822	Cancerous pHâ€responsive polycarboxybetaineâ€coated lipid nanoparticle for smart delivery of siRNA against subcutaneous tumor model in mice. Cancer Science, 2022, 113, 4339-4349.	1.7	5
3823	In vivo targeting capacities of different nanoparticles to prostate tissues based on a mouse model of chronic bacterial prostatitis. Frontiers in Bioengineering and Biotechnology, 0, 10 , .	2.0	3
3824	Bioâ€Inspired Coordinationâ€Assembled Nanoparticles for Enhanced Drug Delivery of Tumor Chemotherapeutics. Advanced Therapeutics, 2023, 6, .	1.6	1
3825	Nano/micro-formulations of keratin in biocomposites, wound healing and drug delivery systems; recent advances in biomedical applications. European Polymer Journal, 2022, 180, 111614.	2.6	12
3826	Multifunctional nanoprobes for macrophage imaging. Biomaterials, 2022, 290, 121824.	5.7	7
3827	Microfluidic formulation of lipid/polymer hybrid nanoparticles for plasmid DNA (pDNA) delivery. International Journal of Pharmaceutics, 2022, 627, 122223.	2.6	10
3828	Microfluidic chip interfacing microdialysis and mass spectrometry for in vivo monitoring of nanomedicine pharmacokinetics in real time. Journal of Chromatography A, 2022, 1683, 463520.	1.8	4
3829	Systemic delivery of nintedanib using PLGA-based discoidal polymeric particles for idiopathic pulmonary fibrosis treatment. Materials Today Chemistry, 2022, 26, 101181.	1.7	1

#	ARTICLE	IF	CITATIONS
3830	Trapping, characterization and reactions of biocolloids in a salinity gradient. EPJ Web of Conferences, 2022, 266, 12005.	0.1	0
3831	Responsive polyprodrug for anticancer nanocarriers. Polymer Chemistry, 0, , .	1.9	0
3832	Polymeric nanoparticles for dopamine and levodopa replacement in Parkinson's disease. Nanoscale Advances, 2022, 4, 5233-5244.	2.2	12
3833	An Up-to-Date Look at In Vitro Models of Nose-to-Brain Drug Delivery. , 2022, , 115-139.		0
3834	Synthesis and functionalization of silver ferrite (AgFe2O3) nanoparticles with l-methionine: In vivo toxicity studies against Drosophila melanogaster (Diptera: Drosophilidae). Results in Chemistry, 2022, 4, 100565.	0.9	1
3835	Nano-integrated cascade antioxidases opsonized by albumin bypass the blood–brain barrier for treatment of ischemia-reperfusion injury. Biomaterials Science, 2022, 10, 7103-7116.	2.6	7
3836	Lipid-mediated delivery of CD47 siRNA aids JQ1 in ensuring simultaneous downregulation of PD-L1 and CD47 and improves antitumor immunotherapy efficacy. Biomaterials Science, 2022, 10, 6755-6767.	2.6	3
3837	Photothermal/nitric oxide synergistic anti-tumour therapy based on MOF-derived carbon composite nanoparticles. Nanoscale, 2022, 14, 16193-16207.	2.8	4
3838	Overview of Physicochemical Properties of Nanoparticles as Drug Carriers for Targeted Cancer Therapy. Journal of Functional Biomaterials, 2022, 13, 196.	1.8	18
3839	Theophylline-Loaded Pectin/Chitosan Hydrochloride Submicron Particles Prepared by Spray Drying with a Continuous Feeding Ultrasonic Atomizer. Polymers, 2022, 14, 4538.	2.0	3
3840	Spermidine/Spermine N1-Acetyltransferase 1 (SAT1)â€"A Potential Gene Target for Selective Sensitization of Glioblastoma Cells Using an Ionizable Lipid Nanoparticle to Deliver siRNA. Cancers, 2022, 14, 5179.	1.7	5
3841	The Promise of Emergent Nanobiotechnologies for In Vivo Applications and Implications for Safety and Security. Health Security, 2022, 20, 408-423.	0.9	5
3842	Antibiofilm Combinatory Strategy: Moxifloxacin-Loaded Nanosystems and Encapsulated N-Acetyl-L-Cysteine. Pharmaceutics, 2022, 14, 2294.	2.0	3
3843	Precise Design Strategies of Nanotechnologies for Controlled Drug Delivery. Journal of Functional Biomaterials, 2022, 13, 188.	1.8	2
3844	Biomimetic Targeted Theranostic Nanoparticles for Breast Cancer Treatment. Molecules, 2022, 27, 6473.	1.7	10
3845	Silver Nanocrystals Bio-Fabricated Using Rhizobium rhizogenes-Transformed In Vitro Root Extracts Demonstrate Health Proactive Properties. BioNanoScience, 0, , .	1.5	0
3846	Computational Study of Two Three-Dimensional Co(II)-Based Metalâ€"Organic Frameworks as Quercetin Anticancer Drug Carriers. Crystal Growth and Design, 2022, 22, 7221-7233.	1.4	7
3847	Surface Presentation of Hyaluronic Acid Modulates Nanoparticle–Cell Association. Bioconjugate Chemistry, 2022, 33, 2065-2075.	1.8	3

#	Article	IF	CITATIONS
3848	Intracellular and extracellular enzymatic responsive micelle for intelligent therapy of cancer. Nano Research, 2023, 16, 2851-2858.	5.8	8
3849	Redox―and pHâ€Responsive Waterâ€Soluble Flexible Organic Frameworks Realize Synergistic Tumor Photodynamic and Chemotherapeutic Therapy. Macromolecular Rapid Communications, 2023, 44, .	2.0	2
3850	Advancing immune checkpoint blockade in colorectal cancer therapy with nanotechnology. Frontiers in Immunology, 0, 13 , .	2.2	2
3851	Scalable and Uniform Length-Tunable Biodegradable Block Copolymer Nanofibers with a Polycarbonate Core via Living Polymerization-Induced Crystallization-Driven Self-assembly. Journal of the American Chemical Society, 2022, 144, 20525-20538.	6.6	18
3852	The feasibility of oral targeted drug delivery: Gut immune to particulates?. Acta Pharmaceutica Sinica B, 2023, 13, 2544-2558.	5.7	8
3853	Length-Controlled Nanofiber Micelleplexes as Efficient Nucleic Acid Delivery Vehicles. Journal of the American Chemical Society, 2022, 144, 19799-19812.	6.6	7
3854	Advanced nanoparticles that can target therapy and reverse drug resistance may be the dawn of leukemia treatment: A bibliometrics study. Frontiers in Bioengineering and Biotechnology, 0, 10 , .	2.0	1
3855	Development and In Vitro and In Vivo Evaluation of an Antineoplastic Copper(II) Compound (Casiopeina) Tj ETQq1 Sciences, 2022, 23, 12756.	1 0.7843 1.8	14 rgBT /0 4
3856	Combination Cancer Treatment: Using Engineered DNAzyme Molecular Machines for Dynamic Inter―and Intracellular Regulation. Angewandte Chemie - International Edition, 2022, 61, .	7.2	12
3857	Selenium Nanoparticles-Enriched Lactobacillus casei ATCC 393 Prevents Cognitive Dysfunction in Mice Through Modulating Microbiota-Gut-Brain Axis. International Journal of Nanomedicine, 0, Volume 17, 4807-4827.	3.3	20
3858	Colloidal Polyelectrolyte Complexes from Hyaluronic Acid: Preparation and Biomedical Applications. Small, 2022, 18, .	5.2	13
3859	Ultrafast Laser-Induced Formation of Hollow Gold Nanorods and Their Optical Properties. ACS Omega, 2022, 7, 39287-39293.	1.6	1
3860	Nucleic Acid Delivery to the Vascular Endothelium. Molecular Pharmaceutics, 2022, 19, 4466-4486.	2.3	2
3861	Combination Cancer Treatment: Using Engineered DNAzyme Molecular Machines for Dynamic Inter―and Intracellular Regulation. Angewandte Chemie, 2022, 134, .	1.6	3
3862	Covalent Organic Frameworks as Nanocarriers for Improved Delivery of Chemotherapeutic Agents. Materials, 2022, 15, 7215.	1.3	4
3863	Assessing the In Vivo Biocompatibility of Molecularly Imprinted Polymer Nanoparticles. Polymers, 2022, 14, 4582.	2.0	4
3864	Development of a liquid chromatography-tandem mass spectrometry method for the analysis of docetaxel-loaded Poly(lactic-co-glycolic acid) nanoparticles. Journal of Pharmaceutical and Biomedical Analysis, 2023, 223, 115114.	1.4	2
3865	Potential of Lipid Based Nanodrug Carriers for Targeted Treatment of Glioblastoma: Recent Progress and Challenges Ahead., 0,,.		O

#	ARTICLE	IF	CITATIONS
3866	Nanomaterials and Nanodevices for Treating Human Infectious and Inflammatory Diseases: Bane or Boon for Human Health?. Smart Innovation, Systems and Technologies, 2023, , 123-151.	0.5	1
3867	Photo-sonodynamic therapy mediated with OLI_NPs to induce HPV16E7-specific immune response and inhibit cervical cancer in a Tc-1-grafted murine model. Journal of Photochemistry and Photobiology B: Biology, 2023, 238, 112583.	1.7	3
3868	Anti-EGFR Targeted Multifunctional I-131 Radio-Nanotherapeutic for Treating Osteosarcoma: In Vitro 3D Tumor Spheroid Model. Nanomaterials, 2022, 12, 3517.	1.9	6
3869	Advances in Preclinical/Clinical Glioblastoma Treatment: Can Nanoparticles Be of Help?. Cancers, 2022, 14, 4960.	1.7	9
3870	Importance of surface charge of soot nanoparticles in determining inhalation toxicity in mice. Environmental Science and Pollution Research, 2023, 30, 18985-18997.	2.7	4
3871	Poly (betaâ€amino ester) as an in vivo nanocarrier for therapeutic nucleic acids. Biotechnology and Bioengineering, 2023, 120, 95-113.	1.7	7
3872	Nanoparticle release from anionic nanocellulose hydrogel matrix. Cellulose, 2022, 29, 9707-9717.	2.4	2
3873	Harnessing Ultrasound for Targeting Drug Delivery to the Brain and Breaching the Blood–Brain Tumour Barrier. Pharmaceutics, 2022, 14, 2231.	2.0	8
3874	Taylor Dispersion Analysis to support lipid-nanoparticle formulations for mRNA vaccines. Gene Therapy, 2023, 30, 421-428.	2.3	1
3875	Enhancement of Gene Editing and Base Editing with Therapeutic Ribonucleoproteins through In Vivo Delivery Based on Absorptive Silica Nanoconstruct. Advanced Healthcare Materials, 2023, 12, .	3.9	6
3876	Fabrication of Superparamagnetic Bimetallic Magnesium Nanoferrite Using Green Polyol: Characterization and Anticancer Analysis in Vitro on Lung Cancer Cell Line A549. ACS Applied Bio Materials, 0, , .	2.3	1
3877	Synergistic Phenomena between Iron-Doped ZnO Nanoparticles and Shock Waves Exploited against Pancreatic Cancer Cells. ACS Applied Nano Materials, 2022, 5, 17212-17225.	2.4	5
3878	Nanoparticles targeting hematopoietic stem and progenitor cells: Multimodal carriers for the treatment of hematological diseases. Frontiers in Genome Editing, 0, 4, .	2.7	3
3879	Cancer stem cell antigen nanodisc cocktail elicits anti-tumor immune responses in melanoma. Journal of Controlled Release, 2022, 351, 872-882.	4.8	7
3880	Glycopolymer and $Poly(\hat{l}^2$ -amino ester)-Based Amphiphilic Block Copolymer as a Drug Carrier. Biomacromolecules, 2022, 23, 4896-4908.	2.6	10
3881	Nanomedicine for advanced cancer immunotherapy. Journal of Controlled Release, 2022, 351, 1017-1037.	4.8	7
3882	Unlocking the promise of mRNA therapeutics. Nature Biotechnology, 2022, 40, 1586-1600.	9.4	107
3883	A recipe for optimizing TiO2 nanoparticles for drug delivery applications. OpenNano, 2022, 8, 100096.	1.8	4

#	Article	IF	CITATIONS
3884	Gentamicin–Ascorbic Acid Encapsulated in Chitosan Nanoparticles Improved In Vitro Antimicrobial Activity and Minimized Cytotoxicity. Antibiotics, 2022, 11, 1530.	1.5	4
3885	Preparation of rutin-loaded mesoporous silica nanoparticles and evaluation of its physicochemical, anticancer, and antibacterial properties. Molecular Biology Reports, 0, , .	1.0	1
3886	Recent advances in improving intranasal allergen-specific immunotherapy; focus on delivery systems and adjuvants. International Immunopharmacology, 2022, 113, 109327.	1.7	3
3887	Nanodiamonds improve arsenic trioxide treatment of liver tumor by inhibiting metastasis in multiple organs. Nano Today, 2022, 47, 101649.	6.2	3
3888	A kinetic modeling platform for predicting the efficacy of siRNA formulations inÂvitro and inÂvivo. STAR Protocols, 2022, 3, 101723.	0.5	0
3889	Mechanism, structural design, modulation and applications of Aggregation-induced emission-based Metal-organic framework. Inorganic Chemistry Communication, 2022, 146, 110038.	1.8	6
3890	Engineered graphene quantum dot nanocomposite triggers α-synuclein defibrillation: Therapeutics against Parkinson's disease. Nanomedicine: Nanotechnology, Biology, and Medicine, 2023, 47, 102608.	1.7	4
3891	Free radical as a double-edged sword in disease: Deriving strategic opportunities for nanotherapeutics. Coordination Chemistry Reviews, 2023, 475, 214875.	9.5	34
3892	A review of quercetin delivery through nanovectors: cellular and mitochondrial effects on noncommunicable diseases., 2023,, 363-382.		0
3893	Development of nanotechnology-mediated precision radiotherapy for anti-metastasis and radioprotection. Chemical Society Reviews, 2022, 51, 9759-9830.	18.7	17
3894	Surface-engineered nanoparticles in cancer immune response and immunotherapy: Current status and future prospects. Biomedicine and Pharmacotherapy, 2023, 157, 113998.	2.5	5
3895	Mitochondria-targeted pentacyclic triterpenoid carbon dots for selective cancer cell destruction via inducing autophagy, apoptosis, as well as ferroptosis. Bioorganic Chemistry, 2023, 130, 106259.	2.0	8
3896	Preclinical validation of a new hybrid molecule loaded in liposomes for melanoma management. Biomedicine and Pharmacotherapy, 2023, 157, 114021.	2.5	6
3897	Fitness Landscape-Guided Engineering of Locally Supercharged Virus-like Particles with Enhanced Cell Uptake Properties. ACS Chemical Biology, 2022, 17, 3367-3378.	1.6	3
3898	Immune cell–camouflaged surface-engineered nanotherapeutics for cancer management. Acta Biomaterialia, 2023, 155, 57-79.	4.1	8
3899	Biomimetic nanomedicines for precise atherosclerosis theranostics. Acta Pharmaceutica Sinica B, 2023, 13, 4442-4460.	5.7	6
3900	Rescuing Cardiac Cells and Improving Cardiac Function by Targeted Delivery of Oxygen-Releasing Nanoparticles after or Even before Acute Myocardial Infarction. ACS Nano, 2022, 16, 19551-19566.	7.3	12
3901	Nanoparticles derived from naturally occurring metal chelators for theranostic applications. Advanced Drug Delivery Reviews, 2022, 191, 114620.	6.6	5

#	Article	IF	CITATIONS
3902	Toxicity of metal-based nanoparticles: Challenges in the nano era. Frontiers in Bioengineering and Biotechnology, $0,10,1$	2.0	43
3903	Cell membrane-camouflaged DOX-loaded β-glucan nanoparticles for highly efficient cancer immunochemotherapy. International Journal of Biological Macromolecules, 2023, 225, 873-885.	3.6	6
3904	Transdermal nanolipoplex simultaneously inhibits subcutaneous melanoma growth and suppresses systemically metastatic melanoma by activating host immunity. Nanomedicine: Nanotechnology, Biology, and Medicine, 2023, 47, 102628.	1.7	2
3905	Precision Nanotoxicology in Drug Development: Current Trends and Challenges in Safety and Toxicity Implications of Customized Multifunctional Nanocarriers for Drug-Delivery Applications. Pharmaceutics, 2022, 14, 2463.	2.0	14
3906	Engineered small extracellular vesicles as a versatile platform to efficiently load ferulic acid via an "esterase-responsive active loading―strategy. Frontiers in Bioengineering and Biotechnology, 0, 10, .	2.0	1
3907	Penetration and translocation of functional inorganic nanomaterials into biological barriers. Advanced Drug Delivery Reviews, 2022, 191, 114615.	6.6	20
3908	Fn14-Directed DART Nanoparticles Selectively Target Neoplastic Cells in Preclinical Models of Triple-Negative Breast Cancer Brain Metastasis. Molecular Pharmaceutics, 2023, 20, 314-330.	2.3	7
3909	Surface Design Options in Polymer- and Lipid-Based siRNA Nanoparticles Using Antibodies. International Journal of Molecular Sciences, 2022, 23, 13929.	1.8	3
3910	Recent advances of bioresponsive polymeric nanomedicine for cancer therapy. Nano Research, 2023, 16, 2660-2671.	5.8	16
3911	Reduction-triggered polycyclodextrin supramolecular nanocage induces immunogenic cell death for improved chemotherapy. Carbohydrate Polymers, 2023, 301, 120365.	5.1	11
3912	Pancreatic tumor microenvironmental acidosis and hypoxia transform gold nanorods into cell-penetrant particles for potent radiosensitization. Science Advances, 2022, 8, .	4.7	6
3913	Nanotheranostic Strategies for Cancer Immunotherapy. Small Methods, 2022, 6, .	4.6	7
3914	Engineering and Validation of a Peptide-Stabilized Poly(lactic- <i>co</i> di>-glycolic) Acid Nanoparticle for Targeted Delivery of a Vascular Disruptive Agent in Cancer Therapy. Bioconjugate Chemistry, 2022, 33, 2348-2360.	1.8	0
3915	Recent Progress and Trends in X-ray-Induced Photodynamic Therapy with Low Radiation Doses. ACS Nano, 2022, 16, 19691-19721.	7.3	27
3916	The engineering challenges and opportunities when designing potent ionizable materials for the delivery of ribonucleic acids. Expert Opinion on Drug Delivery, 2022, 19, 1650-1663.	2.4	2
3917	Protease-targeting peptide-functionalized porous silicon nanoparticles for cancer fluorescence imaging. Nanomedicine, 2022, 17, 1511-1528.	1.7	1
3919	Oncogenic RAS Networks Suppression: Reversibly Ionic Oligonucleotideâ€Based Nanoparticles Caged microRNAâ€143 Inhibit KRASâ€Mutated Colon Cancer Growth in Tumorâ€Bearing Mice. Advanced Therapeutics, 0, , 2200265.	1.6	0
3920	Advancements in Polymeric Nanocarriers to Mediate Targeted Therapy against Triple-Negative Breast Cancer. Pharmaceutics, 2022, 14, 2432.	2.0	7

#	Article	IF	CITATIONS
3921	A pHe sensitive nanodrug for collaborative penetration and inhibition of metastatic tumors. Journal of Controlled Release, 2022, 352, 893-908.	4.8	7
3922	A BODIPY-based activatable nanotheranostics for tumor hypoxia imaging and hypoxia-induced drug resistance reversal. Applied Materials Today, 2022, 29, 101660.	2.3	2
3923	Pharmacological Mechanisms and Clinical Applications of Curcumin: Update., 2023, 14, 716.		11
3924	A Comprehensive Review of Nanoparticles for Oral Delivery in Food: Biological Fate, Evaluation Models, and Gut Microbiota Influences. Annual Review of Food Science and Technology, 2023, 14, 1-33.	5.1	10
3925	Fluorescent Multifunctional Organic Nanoparticles for Drug Delivery and Bioimaging: A Tutorial Review. Pharmaceutics, 2022, 14, 2498.	2.0	7
3926	Biologically inspired stealth $\hat{a}\in$ Camouflaged strategies in nanotechnology for the improved therapies in various diseases. International Journal of Pharmaceutics, 2023, 631, 122407.	2.6	4
3928	Nanomedicine: Principles, properties, and regulatory issues., 2023,, 523-565.		1
3929	Tailored NIRâ€II Lanthanide Luminescent Nanocrystals for Improved Biomedical Application. Advanced Optical Materials, 2023, 11, .	3.6	17
3930	Nanotechnology as a tool to overcome macromolecules delivery issues. Colloids and Surfaces B: Biointerfaces, 2023, 222, 113043.	2.5	11
3931	Clearance pathways of near-infrared-II contrast agents. Theranostics, 2022, 12, 7853-7883.	4.6	6
3932	NIR-triggered ligand-presenting nanocarriers for enhancing synergistic photothermal-chemotherapy. Journal of Controlled Release, 2023, 353, 229-240.	4.8	7
3933	Polymersome-based protein drug delivery – quo vadis?. Chemical Society Reviews, 2023, 52, 728-778.	18.7	28
3934	Metallic nanoscale-knife application in cancer theranostics. Smart Materials in Medicine, 2023, 4, 313-336.	3.7	1
3935	Ultrasmall porphyrin-silica core–shell dots for enhanced fluorescence imaging-guided cancer photodynamic therapy. Nanoscale Advances, 2022, 5, 277-289.	2.2	5
3936	Tumor targeted delivery of mycobacterial adjuvant encapsulated chitosan nanoparticles showed potential anti-cancer activity and immune cell activation in tumor microenvironment. International Immunopharmacology, 2023, 114, 109463.	1.7	5
3937	HPMA copolymer-collagen hybridizing peptide conjugates targeted to breast tumor extracellular matrix. Journal of Controlled Release, 2023, 353, 278-288.	4.8	3
3938	Functionalized PAMAM constructed nanosystems for biomacromolecule delivery. Biomaterials Science, 2023, 11, 1589-1606.	2.6	6
3939	Development of potent tripodal G-quadruplex DNA binders and their efficient delivery to cancer cells by aptamer functionalised liposomes. Organic and Biomolecular Chemistry, 0, , .	1.5	1

#	Article	IF	CITATIONS
3940	Novel strategies for tumor radiosensitization mediated by multifunctional gold-based nanomaterials. Biomaterials Science, 2023, 11, 1116-1136.	2.6	11
3941	Nanoparticles and phototherapy combination as therapeutic alternative in prostate cancer: A scoping review. European Journal of Pharmacology, 2023, 939, 175421.	1.7	1
3942	Applications and challenges of ultra-small particle size nanoparticles in tumor therapy. Journal of Controlled Release, 2023, 353, 699-712.	4.8	34
3943	A systemic review on development of mesoporous nanoparticles as a vehicle for transdermal drug delivery. Nanotheranostics, 2023, 7, 70-89.	2.7	18
3944	A DNA origami nanostructure embedded with NQO1-activated prodrugs for precision drug delivery. Chemical Communications, 2023, 59, 912-915.	2.2	6
3945	Tumor microenvironment responsive-multifunctional nanocomposites knotted injectable hydrogels for enhanced synergistic chemodynamic and chemo-photothermal therapies. Materials and Design, 2023, 225, 111429.	3.3	1
3946	Elastin-like polypeptide-based micelles as a promising platform in nanomedicine. Journal of Controlled Release, 2023, 353, 713-726.	4.8	10
3947	Albumin-hitchhiking: Fostering the pharmacokinetics and anticancer therapeutics. Journal of Controlled Release, 2023, 353, 166-185.	4.8	17
3948	Recent advances of nanotechnology application in autoimmune diseases – A bibliometric analysis. Nano Today, 2023, 48, 101694.	6.2	9
3949	Polymeric micelles assisted combinatorial therapy: Is it new hope for pancreatic cancer?. European Polymer Journal, 2023, 184, 111784.	2.6	15
3950	Epigenetic reprogramming of cancer stem cells to tumor cells using ultrasmall gold nanoparticle. Applied Materials Today, 2023, 30, 101725.	2.3	0
3951	Molecular simulation investigations on interaction properties of the teriflunomide–chitosan complex in aqueous solution. Journal of Physics and Chemistry of Solids, 2023, 174, 111171.	1.9	19
3952	Nanocarriers for platinum drug delivery. , 2023, 2, 77-89.		12
3953	Polymeric Nanoparticles to Target Glioblastoma Tumors. Environmental Chemistry for A Sustainable World, 2022, , 329-349.	0.3	0
3954	Tissue-Specific Drug Delivery Platforms Based on DNA Nanoparticles. , 2022, , 1-28.		0
3955	Tamoxifen Delivery to Breast Cancer Cells (MCF-7) Via Hydroxyapatite Microspheres. Eurasian Journal of Biological and Chemical Sciences, 2022, 5, 111-118.	0.0	0
3956	Mechanistic Observation of Interactions between Macrophages and Inorganic Particles with Different Densities. Small, 2023, 19, .	5.2	5
3957	Computational Study on the Regulatory Mechanism of Cell Membrane Wrapping on Liposomes by Embedded Bowl-like Nanostructures for Drug Delivery. ACS Applied Nano Materials, 2022, 5, 18337-18348.	2.4	3

#	Article	IF	CITATIONS
3958	Inhaled platelet vesicle-decoyed biomimetic nanoparticles attenuate inflammatory lung injury. Frontiers in Pharmacology, 0, 13 , .	1.6	4
3959	Oxidative Stress-Induced Silver Nano-Carriers for Chemotherapy. Pharmaceuticals, 2022, 15, 1449.	1.7	2
3960	In Response to Precision Medicine: Current Subcellular Targeting Strategies for Cancer Therapy. Advanced Materials, 2023, 35, .	11.1	21
3961	ICAM1-Targeting Theranostic Nanoparticles for Magnetic Resonance Imaging and Therapy of Triple-Negative Breast Cancer. International Journal of Nanomedicine, 0, Volume 17, 5605-5619.	3.3	4
3962	Material-Assisted Engineering of Organelles for Biomedical Applications. , 2023, 5, 36-51.		2
3963	Suppression of Autoimmune Rheumatoid Arthritis with Hybrid Nanoparticles That Induce B and T Cell Tolerance to Self-Antigen. ACS Nano, 2022, 16, 20206-20221.	7.3	10
3964	RBC membrane-coated nanoparticles: a comprehensive review on the preparation methods, characterisations and applications. Current Drug Therapy, 2022, 18, .	0.2	0
3965	Poly(aspartic acid)-Based Polymeric Nanoparticle for Local and Systemic mRNA Delivery. Molecular Pharmaceutics, 2022, 19, 4696-4704.	2.3	6
3966	Progress in silk and silk fiber-inspired polymeric nanomaterials for drug delivery. Frontiers in Chemical Engineering, 0, 4, .	1.3	2
3967	Achieving Control in Microâ€∮Nanomotor Mobility. Angewandte Chemie - International Edition, 2023, 62,	7.2	18
3968	Virus-like Particles for TEM Regulation and Antitumor Therapy. Journal of Functional Biomaterials, 2022, 13, 304.	1.8	2
3969	Biomimetic camouflaged nanoparticles with selective cellular internalization and migration competences. Acta Biomaterialia, 2023, 157, 395-407.	4.1	2
3970	Tumor-Derived Small Extracellular Vesicles Involved in Breast Cancer Progression and Drug Resistance. International Journal of Molecular Sciences, 2022, 23, 15236.	1.8	2
3971	Neutrophil membrane-coated nanoparticles exhibit increased antimicrobial activities in an anti-microbial resistant K. pneumonia infection model. Nanomedicine: Nanotechnology, Biology, and Medicine, 2023, 48, 102640.	1.7	3
3972	Delivery of costimulatory blockade to lymph nodes promotes transplant acceptance in mice. Journal of Clinical Investigation, 2022, 132, .	3.9	7
3973	ZIF-90 nanoparticles modified with a homing peptide for targeted delivery of cisplatin. Frontiers in Chemistry, $0,10,1$	1.8	3
3974	Metal Oxide Nanoparticles: Review of Synthesis, Characterization and Biological Effects. Journal of Functional Biomaterials, 2022, 13, 274.	1.8	26
3975	Clinical Trials Involving Chemotherapy-Based Nanocarriers in Cancer Therapy: State of the Art and Future Directions., 2023,, 325-383.		2

#	Article	IF	CITATIONS
3976	Morphologic design of nanostructures for enhanced antimicrobial activity. Journal of Nanobiotechnology, 2022, 20, .	4.2	13
3977	3D Tumor Spheroid and Organoid to Model Tumor Microenvironment for Cancer Immunotherapy. Organoids, 2022, 1, 149-167.	1.8	13
3978	Seedless Synthesis of Disulfide-Grafted Gold Nanoflowers with Size and Shape Control and Their Photothermally Mediated Cell Perforation. Chemistry of Materials, 2023, 35, 163-176.	3.2	1
3979	Key Parameters for the Rational Design, Synthesis, and Functionalization of Biocompatible Mesoporous Silica Nanoparticles. Pharmaceutics, 2022, 14, 2703.	2.0	17
3980	Quality by Design Approach in Liposomal Formulations: Robust Product Development. Molecules, 2023, 28, 10.	1.7	7
3981	Injectable Nano Drug Delivery Systems for the Treatment of Breast Cancer. Pharmaceutics, 2022, 14, 2783.	2.0	12
3982	Escherichia coli as a New Platform for the Fast Production of Vault-like Nanoparticles: An Optimized Protocol. International Journal of Molecular Sciences, 2022, 23, 15543.	1.8	1
3983	Engineered Ferritin with Eu ³⁺ as a Bright Nanovector: AÂPhotoluminescence Study. Photochemistry and Photobiology, 2023, 99, 1218-1224.	1.3	0
3984	Protective role of engineered extracellular vesicles loaded quercetin nanoparticles as anti-viral therapy against SARS-CoV-2 infection: A prospective review. Frontiers in Immunology, 0, 13, .	2.2	3
3985	Recent Trends and Developments in Multifunctional Nanoparticles for Cancer Theranostics. Molecules, 2022, 27, 8659.	1.7	6
3986	Nanoparticles-mediated CRISPR-Cas9 gene therapy in inherited retinal diseases: applications, challenges, and emerging opportunities. Journal of Nanobiotechnology, 2022, 20, .	4.2	10
3987	Construction and Functionalization of a Clathrin Assembly for a Targeted Protein Delivery. Small, 0, , 2204620.	5.2	0
3988	Load and release of gambogic acid via dual-target ellipsoidal-Fe ₃ O ₄ @SiO ₂ @mSiO ₂ -C ₁₈ @dopami hydrochloride -graphene quantum dots-folic acid and its inhibition to VX2 tumor cells. Nanotechnology, 2023, 34, 105101.	ne 1.3	3
3989	Cancer nanomedicine toward clinical translation: Obstacles, opportunities, and future prospects. Med, 2023, 4, 147-167.	2.2	47
3990	A hepatocyte-targeting nanoparticle for enhanced hepatobiliary magnetic resonance imaging. Nature Biomedical Engineering, 2023, 7, 221-235.	11.6	18
3991	Encapsulation and Delivery of an Osteosarcoma Stem Cell Active Gallium(III)â€Diflunisal Complex Using Polymeric Micelles. ChemMedChem, 2023, 18, .	1.6	2
3992	Magic bullets, magic shields, and antimicrobials in between. , 2023, 1, 100002.		2
3993	Excipient-Free Ionizable Polyester Nanoparticles for Lung-Selective and Innate Immune Cell Plasmid DNA and mRNA Transfection. ACS Applied Materials & Samp; Interfaces, 2022, 14, 56440-56453.	4.0	4

#	Article	IF	CITATIONS
3994	Nanoparticles in biology and medicine. Science and Innovations, 2022, , 78-83.	0.1	0
3995	Achieving Control in Microâ€∤Nanomotor Mobility. Angewandte Chemie, 2023, 135, .	1.6	4
3996	Programmed Catalytic Therapy and Antigen Captureâ€Mediated Dendritic Cells Harnessing Cancer Immunotherapies by In Situâ€Forming Adhesive Nanoreservoirs. Advanced Functional Materials, 2023, 33, .	7.8	10
3997	Nanomaterial-mediated photoporation for intracellular delivery. Acta Biomaterialia, 2023, 157, 24-48.	4.1	7
3998	Monophosphoryl lipid A ameliorates radiation-induced lung injury by promoting the polarization of macrophages to the M1 phenotype. Journal of Translational Medicine, 2022, 20, .	1.8	4
3999	Nanoenabled Trainable Systems: From Biointerfaces to Biomimetics. ACS Nano, 2022, 16, 19651-19664.	7.3	5
4000	Targeted poly(L-glutamic acid)-based hybrid peptosomes co-loaded with doxorubicin and USPIONs as a theranostic platform for metastatic breast cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2023, 48, 102645.	1.7	7
4001	Holographically Activatable Nanoprobe via Glutathione/Albuminâ€Mediated Exponential Signal Amplification for Highâ€Contrast Tumor Imaging. Advanced Materials, 2023, 35, .	11.1	7
4002	Green-Based Approach to Synthesize Silver Nanoparticles Using the Fungal Endophyte <i>Penicillium oxalicum</i> and Their Antimicrobial, Antioxidant, and <i>In Vitro</i> Anticancer Potential. ACS Omega, 2022, 7, 46653-46673.	1.6	22
4003	NIR-II Photoacoustic-Active DNA Origami Nanoantenna for Early Diagnosis and Smart Therapy of Acute Kidney Injury. Journal of the American Chemical Society, 2022, 144, 23522-23533.	6.6	11
4004	Omultifunctional Nanoparticles For Organelle-Specific Targeted Drug Delivery In Cancer Therapy. Current Nanomedicine, 2022, 13, .	0.2	0
4005	Dynamic responsiveness of selfâ€assembling peptideâ€based nanoâ€drug systems. , 2023, 1, .		20
4006	Particle-Based therapies for antigen specific treatment of type 1 diabetes. International Journal of Pharmaceutics, 2023, 631, 122500.	2.6	3
4007	Nanoparticles of N-Vinylpyrrolidone Amphiphilic Copolymers and Pheophorbide a as Promising Photosensitizers for Photodynamic Therapy: Design, Properties and In Vitro Phototoxic Activity. Pharmaceutics, 2023, 15, 273.	2.0	4
4008	Designed fabrication of active tumor targeting covalent organic framework nanotherapeutics via a simple post-synthetic strategy. Nano Research, 2023, 16, 7085-7094.	5.8	6
4009	Recent Developments in the Study of the Microenvironment of Cancer and Drug Delivery. Current Drug Metabolism, 2022, 23, 1027-1053.	0.7	0
4010	Research and Development of Supramolecules as Anticancer Drugs. , 2022, , 55-87.		0
4011	Nanomedicine as potential cancer therapy via targeting dysregulated transcription factors. Seminars in Cancer Biology, 2023, 89, 38-60.	4.3	7

#	Article	IF	CITATIONS
4012	Liposomes or Extracellular Vesicles: A Comprehensive Comparison of Both Lipid Bilayer Vesicles for Pulmonary Drug Delivery. Polymers, 2023, 15, 318.	2.0	8
4013	Nanogels co-loading paclitaxel and curcumin prepared <i>iin situ</i> iin through photopolymerization at 532 nm for synergistically suppressing breast tumors. Journal of Materials Chemistry B, 2023, 11, 1798-1807.	2.9	1
4014	Novel candidate theranostic radiopharmaceutical based on strontium hexaferrite nanoparticles conjugated with azacrown ligand. Dalton Transactions, 2023, 52, 1731-1741.	1.6	3
4015	Manganese(II)â€Guided Separation in the Subâ€Nanometer Regime for Precise Identification of In Vivo Size Dependence. Angewandte Chemie, 0, , .	1.6	0
4016	Selfâ€Assembly of Nanocrystalline Structures from Freestanding Oxide Membranes. Advanced Materials, 2023, 35, .	11.1	1
4017	Microfluidics in drug delivery: review of methods and applications. Pharmaceutical Development and Technology, 2023, 28, 61-77.	1.1	3
4018	Immunomodulation with Nucleic Acid Nanodevices. Small, 2023, 19, .	5.2	4
4019	Nano Delivery of Chemotherapeutic ICD Inducers for Tumor Immunotherapy. Small Methods, 2023, 7, .	4.6	24
4020	Advanced strategies to evade the mononuclear phagocyte system clearance of nanomaterials. Exploration, 2023, 3, .	5.4	19
4021	Reaching new lights: a review on photo-controlled nanomedicines and their <i>in vivo</i> evaluation. Biomaterials Science, 2023, 11, 1607-1624.	2.6	3
4022	Recent Advances in Targeted Nanocarriers for the Management of Triple Negative Breast Cancer. Pharmaceutics, 2023, 15, 246.	2.0	7
4023	Lipid nanoparticle-mediated mRNA delivery in lung fibrosis. European Journal of Pharmaceutical Sciences, 2023, 183, 106370.	1.9	9
4024	Nucleic acid drug vectors for diagnosis and treatment of brain diseases. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	19
4025	Manganese(II)â€Guided Separation in the Subâ€Nanometer Regime for Precise Identification of In Vivo Size Dependence. Angewandte Chemie - International Edition, 2023, 62, .	7.2	8
4026	X-ray excited Mn2+-doped persistent luminescence materials with biological window emission for inÂvivo bioimaging. Journal of Rare Earths, 2024, 42, 28-35.	2.5	5
4027	Exosome engineering in cell therapy and drug delivery. Inflammopharmacology, 2023, 31, 145-169.	1.9	37
4028	Predicting efficacy of drug-carrier nanoparticle designs for cancer treatment: a machine learning-based solution. Scientific Reports, 2023, 13, .	1.6	1
4029	Exogenous RNAs: promising tools for the second green revolution. Journal of Experimental Botany, 2023, 74, 2323-2337.	2.4	6

#	Article	IF	CITATIONS
4030	Nanotechnology for Enhancing Medical Imaging. Micro/Nano Technologies, 2023, , 99-156.	0.1	0
4031	Modularly designed peptide-based nanomedicine inhibits angiogenesis to enhance chemotherapy for post-surgical recurrence of esophageal squamous cell carcinomas. Nano Research, 2023, 16, 7347-7354.	5.8	2
4032	Recent Progress in Nanomaterial-Based Biosensors and Theranostic Nanomedicine for Bladder Cancer. Biosensors, 2023, 13, 106.	2.3	4
4033	Effects of Particle Geometry for PLGA-Based Nanoparticles: Preparation and In Vitro/In Vivo Evaluation. Pharmaceutics, 2023, 15, 175.	2.0	8
4034	Bacteria-based bioactive materials for cancer imaging and therapy. Advanced Drug Delivery Reviews, 2023, 193, 114696.	6.6	10
4035	Implications of hydrogen sulfide in colorectal cancer: Mechanistic insights and diagnostic and therapeutic strategies. Redox Biology, 2023, 59, 102601.	3.9	26
4036	Brd4 proteolysis-targeting chimera nanoparticles sensitized colorectal cancer chemotherapy. Journal of Controlled Release, 2023, 354, 155-166.	4.8	11
4037	De Novo Design of Activatable Photoacoustic/Fluorescent Probes for Imaging Acute Lung Injury In Vivo. Analytical Chemistry, 0, , .	3.2	1
4038	Uniform and Length-Tunable, Paramagnetic Self-Assembled Nitroxide-Based Nanofibers for Magnetic Resonance Imaging. Macromolecules, 2023, 56, 263-270.	2.2	3
4039	Nanoparticle elasticity regulates the formation of cell membrane-coated nanoparticles and their nano-bio interactions. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	3.3	19
4040	Responsive hydrogel microfibers for biomedical engineering. , 2022, 1, .		11
4041	Targeted drug delivery strategy: a bridge to the therapy of diabetic kidneyÂdisease. Drug Delivery, 2023, 30, .	2.5	5
4042	Liposomal Amphotericin B for Treatment of Leishmaniasis: From the Identification of Critical Physicochemical Attributes to the Design of Effective Topical and Oral Formulations. Pharmaceutics, 2023, 15, 99.	2.0	13
4043	Near-infrared luminescence high-contrast in vivo biomedical imaging. , 2023, 1 , 60-78.		95
4044	A Magnetically Driven Amoebaâ€Like Nanorobot for Wholeâ€Process Active Drug Transport. Advanced Science, 2023, 10, .	5.6	10
4045	Histone Deacetylaseâ€Triggered Selfâ€Immolative Peptideâ€Cytotoxins for Cancerâ€Selective Drug Delivery. Advanced Functional Materials, 2023, 33, .	7.8	5
4046	A Selfâ€Enhancing Nanoreactor Reinforces Radioimmunotherapy by Reprogramming Nutrients and Redox Metabolisms. Advanced Functional Materials, 2023, 33, .	7.8	9
4047	Rapidly Blocking the Calcium Overload/ROS Production Feedback Loop to Alleviate Acute Kidney Injury via Microenvironmentâ€Responsive BAPTAâ€AM/BAC Coâ€Delivery Nanosystem. Small, 2023, 19, .	5.2	8

#	ARTICLE	IF	CITATIONS
4048	Natural Biopolymers as Smart Coating Materials of Mesoporous Silica Nanoparticles for Drug Delivery. Pharmaceutics, 2023, 15, 447.	2.0	13
4049	Encapsulation of SAAP-148 in Octenyl Succinic Anhydride-Modified Hyaluronic Acid Nanogels for Treatment of Skin Wound Infections. Pharmaceutics, 2023, 15, 429.	2.0	4
4050	Nanotechnology as a Promising Approach to Combat Multidrug Resistant Bacteria: A Comprehensive Review and Future Perspectives. Biomedicines, 2023, 11, 413.	1.4	39
4051	Quantitative Comparison of Gold Nanoparticle Delivery <i>via</i> the Enhanced Permeation and Retention (EPR) Effect and Mesenchymal Stem Cell (MSC)-Based Targeting. ACS Nano, 2023, 17, 2039-2052.	7.3	18
4052	Self-Assembly of Precisely Fluorinated Albumin for Dual Imaging-Guided Synergistic Chemo–Photothermal–Photodynamic Cancer Therapy. ACS Applied Materials & Los Replied Ma	4.0	6
4053	The Future of Drug Delivery. Chemistry of Materials, 2023, 35, 359-363.	3.2	40
4055	Therapeutic Strategies to Overcome Fibrotic Barriers to Nanomedicine in the Pancreatic Tumor Microenvironment. Cancers, 2023, 15, 724.	1.7	2
4056	Deciphering plausible role of DNA nanostructures in drug delivery. , 2023, , 215-251.		0
4057	Zwitterionic polymers: Addressing the barriers for drug delivery. Chinese Chemical Letters, 2023, 34, 108177.	4.8	8
4058	Near-infrared light-driven multifunctional metal ion (Cu2+)-loaded polydopamine nanomotors for therapeutic angiogenesis in critical limb ischemia. Nano Research, 2023, 16, 5108-5120.	5.8	3
4059	Fluorescent inorganic nanoparticles for bioimaging and therapeutic applications. , 2023, , 45-71.		0
4060	Delivery Route Considerations for Designing Antigenâ€Specific Biomaterial Strategies to Combat Autoimmunity. Advanced NanoBiomed Research, 2023, 3, .	1.7	5
4061	Green synthesized nanoparticles in hepatic disorder. , 2023, , 225-249.		1
4062	Choosing an Optimal Solvent Is Crucial for Obtaining Cell-Penetrating Peptide Nanoparticles with Desired Properties and High Activity in Nucleic Acid Delivery. Pharmaceutics, 2023, 15, 396.	2.0	3
4063	Nanoparticle protein corona: from structure and function to therapeutic targeting. Lab on A Chip, 2023, 23, 1432-1466.	3.1	27
4064	An Overview of Polymeric Nanoparticles-Based Drug Delivery System in Cancer Treatment. Technology in Cancer Research and Treatment, 2023, 22, 153303382311520.	0.8	17
4065	Protein-Nanoparticle Interactions Govern the Interfacial Behavior of Polymeric Nanogels: Study of Protein Corona Formation at the Air/Water Interface. International Journal of Molecular Sciences, 2023, 24, 2810.	1.8	5
4066	Harnessing sortase A transpeptidation for advanced targeted therapeutics and vaccine engineering. Biotechnology Advances, 2023, 64, 108108.	6.0	4

#	Article	IF	CITATIONS
4067	The application of nanoparticles in immunotherapy for hepatocellular carcinoma. Journal of Controlled Release, 2023, 355, 85-108.	4.8	3
4068	Flow synthesis of intrinsically radiolabeled and renal-clearable ultrasmall [198Au]Au nanoparticles in a PTFE microchannel. Chemical Engineering Journal Advances, 2023, 14, 100456.	2.4	2
4070	Optimization of precision nanofiber micelleplexes for DNA delivery. Biomaterials Science, 2023, 11, 3512-3523.	2.6	3
4071	Highly modular hepatitis B virus-like nanocarriers for therapeutic protein encapsulation and targeted delivery to triple negative breast cancer cells. Journal of Materials Chemistry B, 2023, 11, 3985-3993.	2.9	3
4072	Experimental Methods for the Biological Evaluation of Nanoparticle-Based Drug Delivery Risks. Pharmaceutics, 2023, 15, 612.	2.0	7
4073	BPAâ€Containing Polydopamine Nanoparticles for Boron Neutron Capture Therapy in a U87 Glioma Orthotopic Model. Advanced Functional Materials, 2023, 33, .	7.8	8
4074	Missingâ€Linkerâ€Confined Singleâ€Atomic Pt Nanozymes for Enzymatic Theranostics of Tumor. Angewandte Chemie - International Edition, 2023, 62, .	7.2	16
4075	Medicinal plant-based drug delivery system for inflammatory bowel disease. Frontiers in Pharmacology, 0, 14, .	1.6	7
4076	Lyophilized liposomal formulation of a peptidomimetic-Dox conjugate for HER2 positive breast and lung cancer. International Journal of Pharmaceutics, 2023, , 122950.	2.6	0
4077	A Bird's Eye View of Various Cell-Based Biomimetic Nanomedicines for the Treatment of Arthritis. Pharmaceutics, 2023, 15, 1150.	2.0	3
4078	CDX-modified chitosan nanoparticles remarkably reduce therapeutic dose of fingolimod in the EAE model of mice. International Journal of Pharmaceutics, 2023, 636, 122815.	2.6	4
4079	Surface-modified nanoparticles of docetaxel for chemotherapy of lung cancer: An intravenous to oral switch. International Journal of Pharmaceutics, 2023, 636, 122846.	2.6	3
4080	Bioorthogonal catalysis in complex media: Consequences of using polymeric scaffold materials on catalyst stability and activity. Catalysis Today, 2023, 418, 114116.	2.2	9
4081	Modulation of the self-assembly kinetics and digestibility of type 3 resistant starch particles by co-crystallization with amino acid. Food Chemistry, 2023, 419, 136008.	4.2	1
4082	Targeted delivery of nutraceuticals derived from food for the treatment of obesity and its related complications. Food Chemistry, 2023, 418, 135980.	4.2	3
4083	Zwitterionic peptides: Tunable next-generation stealth nanoparticle modifications. Bioactive Materials, 2023, 27, 113-124.	8.6	2
4084	Evaluaci \tilde{A}^3 n de toxicidad de nanogeles termosensibles en modelo in vivo. Revista De Ciencias Tecnol \tilde{A}^4 gicas, 2022, 5, 300-311.	0.0	0
4085	Effects of Individual Amino Acids on the Blood Circulation of Biosynthetic Protein Nanocages: Toward Guidance on Surface Engineering. Advanced Healthcare Materials, 2023, 12, .	3.9	1

#	Article	IF	CITATIONS
4086	Viruses as biomaterials. Materials Science and Engineering Reports, 2023, 153, 100715.	14.8	4
4087	From cells to organoids: The evolution of blood-brain barrier technology for modelling drug delivery in brain cancer. Advanced Drug Delivery Reviews, 2023, 196, 114777.	6.6	8
4088	Advances in nuclei targeted delivery of nanoparticles for the management of cancer. Biochimica Et Biophysica Acta: Reviews on Cancer, 2023, 1878, 188881.	3.3	3
4089	Microfluidic formulation of anticancer peptide loaded ZIF-8 nanoparticles for the treatment of breast cancer. Journal of Colloid and Interface Science, 2023, 642, 810-819.	5.0	14
4090	Facile generation of surface diversity in gold nanoparticles. Journal of Colloid and Interface Science, 2023, 641, 719-728.	5.0	1
4091	A mechanistically motivated constitutive model of biopolymer hydrogels with structural evolution. Journal of the Mechanics and Physics of Solids, 2023, 173, 105205.	2.3	7
4092	Bioinspired microrobots: Opportunities and challenges in targeted cancer therapy. Journal of Controlled Release, 2023, 354, 439-452.	4.8	4
4093	Surface engineering of colloidal nanoparticles. Materials Horizons, 2023, 10, 1185-1209.	6.4	7
4094	Nanomedicines with high drug availability and drug sensitivity overcome hypoxia-associated drug resistance. Biomaterials, 2023, 294, 122023.	5.7	10
4095	Mitochondria-targeting sonosensitizer-loaded extracellular vesicles for chemo-sonodynamic therapy. Journal of Controlled Release, 2023, 354, 651-663.	4.8	14
4096	Self-assembly of nanoparticles and flake powders by flake design strategy via dry particle coating. Powder Technology, 2023, 418, 118294.	2.1	3
4097	Advanced Drug Delivery Systems for Renal Disorders. Gels, 2023, 9, 115.	2.1	6
4098	Poly(lactic acid) \hat{I}^2 -cyclodextrin based nanoparticles bearing ruthenium(II)-arene naproxen complex: preparation and characterisation. Analytical validation for metal determination by microwave-induced plasma optical emission spectrometry. Journal of Microencapsulation, 2023, 40, 67-81.	1.2	1
4099	Hybrid lipid-polymer nanoplatform: A systematic review for targeted colorectal cancer therapy. European Polymer Journal, 2023, 186, 111877.	2.6	4
4100	Camouflaged Virusâ€Likeâ€Nanocarrier with a Transformable Rough Surface for Boosting Drug Delivery. Angewandte Chemie, 2023, 135, .	1.6	2
4101	Camouflaged Virusâ€Likeâ€Nanocarrier with a Transformable Rough Surface for Boosting Drug Delivery. Angewandte Chemie - International Edition, 2023, 62, .	7.2	5
4102	Moringa oleifera gum capped MgO nanoparticles: Synthesis, characterization, cyto- and ecotoxicity assessment. International Journal of Biological Macromolecules, 2023, 233, 123514.	3.6	12
4103	Immunogenic antitumor potential of Prakasine nanoparticles in zebrafish by gene expression stimulation. Artificial Cells, Nanomedicine and Biotechnology, 2023, 51, 41-56.	1.9	1

#	Article	IF	CITATIONS
4104	Planted Graphene Quantum Dots for Targeted, Enhanced Tumor Imaging and Longâ€Term Visualization of Local Pharmacokinetics. Advanced Materials, 2023, 35, .	11.1	15
4106	Folic acid-modified biocompatible Pullulan/poly(acrylic acid) nanogels for targeted delivery to MCF-7 cancer cells. European Journal of Pharmaceutics and Biopharmaceutics, 2023, 184, 189-201.	2.0	5
4108	Machine-learning-assisted single-vessel analysis of nanoparticle permeability in tumour vasculatures. Nature Nanotechnology, 2023, 18, 657-666.	15.6	23
4109	Pt(II)-PLGA Hybrid in a pH-Responsive Nanoparticle System Targeting Ovarian Cancer. Pharmaceutics, 2023, 15, 607.	2.0	3
4110	Dual Effect of Chemo-PDT with Tumor Targeting Nanoparticles Containing iRGD Peptide. Pharmaceutics, 2023, 15, 614.	2.0	2
4111	Targeted nanomedicine: Lessons learned and future directions. Journal of Controlled Release, 2023, 355, 446-457.	4.8	11
4112	Review on Multifunctional Nanotherapeutics for Drug Delivery, Tumor Imaging, and Selective Tumor Targeting By Hyaluronic Acid Coupled Graphene Quantum Dots. Current Nanoscience, 2023, 19, .	0.7	0
4113	Stabilized Reversed Polymeric Micelles as Nanovector for Hydrophilic Compounds. Polymers, 2023, 15, 946.	2.0	1
4114	Ultrasound-mediated nano drug delivery for treating cancer: Fundamental physics to future directions. Journal of Controlled Release, 2023, 355, 552-578.	4.8	27
4115	Polycaprolactone-based nanocarriers containing 5-fluorouracil as a therapeutic guided drug delivery approach for enhancing anticancer activity. Current Cancer Drug Targets, 2023, 23, .	0.8	1
4116	Intracellular Delivery of Anti-Kirsten Rat Sarcoma Antibodies Mediated by Polymeric Micelles Exerts Strong <i>In Vitro</i> and <i>In Vivo</i> Anti-Tumorigenic Activity in Kirsten Rat Sarcoma-Mutated Cancers. ACS Applied Materials & Description of the Cancers of t	4.0	3
4117	Current Advances in Lipid Nanosystems Intended for Topical and Transdermal Drug Delivery Applications. Pharmaceutics, 2023, 15, 656.	2.0	12
4118	Nanodrug rescues liver fibrosis via synergistic therapy with H2O2 depletion and Saikosaponin b1 sustained release. Communications Biology, 2023, 6 , .	2.0	4
4119	Recent Progress in Chitosan-Based Nanomedicine for Its Ocular Application in Glaucoma. Pharmaceutics, 2023, 15, 681.	2.0	4
4120	A review on microfluidic-assisted nanoparticle synthesis, and their applications using multiscale simulation methods. , 2023, 18 , .		16
4121	A Multifunctional, Highly Biocompatible, and Double-Triggering Caramelized Nanotheranostic System Loaded with Fe3O4 and DOX for Combined Chemo-Photothermal Therapy and Real-Time Magnetic Resonance Imaging Monitoring of Triple Negative Breast Cancer. International Journal of Nanomedicine. 0. Volume 18, 881-897.	3.3	3
4122	Current applications of nanomaterials in urinary system tumors. Frontiers in Bioengineering and Biotechnology, $0,11,.$	2.0	0
4123	Understanding ligand-protected noble metal nanoclusters at work. Nature Reviews Materials, 2023, 8, 372-389.	23.3	40

#	Article	IF	CITATIONS
4124	Genetically engineered cellular nanoparticles for biomedical applications. Biomaterials, 2023, 296, 122065.	5.7	9
4125	Acoustofluidics – changing paradigm in tissue engineering, therapeutics development, and biosensing. Lab on A Chip, 2023, 23, 1300-1338.	3.1	8
4126	The effect of size, shape, coating and functionalization on nuclear relaxation properties in iron oxide core–shell nanoparticles: a brief review of the situation. Dalton Transactions, 2023, 52, 3551-3562.	1.6	4
4127	Poly(2-ethyl-2-oxazoline)–IR780 conjugate nanoparticles for breast cancer phototherapy. Nanomedicine, 2022, 17, 2057-2072.	1.7	3
4128	Nanotechnology – a robust tool for fighting the challenges of drug resistance in non-small cell lung cancer. Beilstein Journal of Nanotechnology, 0, 14, 240-261.	1.5	1
4129	How to Best Protect Kidneys for Transplantation—Mechanistic Target. Journal of Clinical Medicine, 2023, 12, 1787.	1.0	2
4130	Biodegradable Polymeric Nanoparticles Loaded with Flavonoids: A Promising Therapy for Inflammatory Bowel Disease. International Journal of Molecular Sciences, 2023, 24, 4454.	1.8	7
4131	Design of a Tumor Binding GMCSF as Intratumoral Immunotherapy of Solid Tumors. Molecular Pharmaceutics, 2023, 20, 1975-1989.	2.3	2
4132	Polysaccharides-based nanocarriers enhance the anti-inflammatory effect of curcumin. Carbohydrate Polymers, 2023, 311, 120718.	5.1	17
4133	Advanced nanomedicine-based therapeutics for targeting airway inflammatory diseases., 2023,, 29-55.		0
4134	Understanding drug nanocarrier and blood–brain barrier interaction based on a microfluidic microphysiological model. Lab on A Chip, 2023, 23, 1935-1944.	3.1	3
4135	Enhanced Targeted Delivery of Minocycline via Transferrin Conjugated Albumin Nanoparticle Improves Neuroprotection in a Blast Traumatic Brain Injury Model. Brain Sciences, 2023, 13, 402.	1.1	1
4136	Nanotechnology for next-generation cancer immunotherapy: State of the art and future perspectives. Journal of Controlled Release, 2023, 356, 14-25.	4.8	7
4138	Determining the impact of gold nanoparticles on amyloid aggregation with 2D IR spectroscopy. Journal of Chemical Physics, 2023, 158, .	1.2	2
4139	Nanoâ∈Biotechnology and Challenges of Drug Delivery System in Cancer Treatment Pathway: Review Article. Chemistry and Biodiversity, 2023, 20, .	1.0	6
4141	Recent advances of CREKA peptide-based nanoplatforms in biomedical applications. Journal of Nanobiotechnology, 2023, 21 , .	4.2	6
4142	Nanotechnology in combating biofilm: A smart and promising the rapeutic strategy. Frontiers in Microbiology, 0, 13, .	1.5	14
4143	Importance of Surface-modified Nanocarriers (SMN) in the Management of Cancer., 2023, , 106-132.		0

#	Article	IF	Citations
4144	Immune Checkpoint and Tumor Therapy., 0,,.		0
4145	Lipid-core nanoparticles: Classification, preparation methods, routes of administration and recent advances in cancer treatment. Advances in Colloid and Interface Science, 2023, 314, 102871.	7.0	17
4146	Nanodrug delivery systems for metabolic chronic liver diseases: advances and perspectives. Nanomedicine, 2023, 18, 67-84.	1.7	4
4147	Stimuli-sensitive nano-drug delivery with programmable size changes to enhance accumulation of therapeutic agents in tumors. Drug Delivery, 2023, 30, .	2.5	13
4148	Missingâ€Linkerâ€Confined Singleâ€Atomic Pt Nanozymes for Enzymatic Theranostics of Tumor. Angewandte Chemie, 2023, 135, .	1.6	1
4149	Intraocular nano-microscale drug delivery systems for glaucoma treatment: design strategies and recent progress. Journal of Nanobiotechnology, 2023, 21, .	4.2	6
4150	Quatsomes Loaded with Squaraine Dye as an Effective Photosensitizer for Photodynamic Therapy. Pharmaceutics, 2023, 15, 902.	2.0	2
4151	Recent Advances in Metal-Based NanoEnhancers for Particle Therapy. Nanomaterials, 2023, 13, 1011.	1.9	4
4152	Rational Design of Biomaterials to Potentiate Cancer Thermal Therapy. Chemical Reviews, 2023, 123, 7326-7378.	23.0	28
4153	Nanoparticle formulations for therapeutic delivery, pathogen imaging and theranostic applications in bacterial infections. Theranostics, 2023, 13, 1545-1570.	4.6	4
4154	Effect of Cell Membraneâ€cloaked Nanoparticle Elasticity on Nanoâ€Bio Interaction. Small Methods, 2023, 7, .	4.6	3
4156	Transport of nanocarriers to brain for treatment of glioblastoma multiforme: Routes and challenges., 2023, 1, 100005.		3
4157	Interactions of Graphene Oxide and Few-Layer Graphene with the Blood–Brain Barrier. Nano Letters, 2023, 23, 2981-2990.	4.5	8
4158	Advances in nanomedicine for the treatment of infectious diseases caused by viruses. Biomaterials Science, 2023, 11, 3431-3449.	2.6	9
4159	Mannoside-Functionalized Silica Nanocomposite-Encapsulated Doxorubicin for MDA-MB-231 Cancer Cell Targeting and Delivery. ACS Applied Nano Materials, 2023, 6, 4957-4968.	2.4	3
4160	Nanobiotechnologyâ€mediated radioimmunotherapy treatment for tripleâ€negative breast cancer. , 2023, 2, ·		0
4161	Mechano-boosting nanomedicine antitumour efficacy by blocking the reticuloendothelial system with stiff nanogels. Nature Communications, 2023, 14 , .	5.8	14
4162	Engineered exosomes from different sources for cancer-targeted therapy. Signal Transduction and Targeted Therapy, 2023, 8, .	7.1	51

#	Article	IF	CITATIONS
4163	Nanoparticles as a Therapeutic Delivery System for Skin Cancer Prevention and Treatment. JID Innovations, 2023, 3, 100197.	1.2	5
4164	Charge-conversional click polyprodrug nanomedicine for targeted and synergistic cancer therapy. Journal of Controlled Release, 2023, 356, 567-579.	4.8	4
4165	Development of pH-Responsive N-benzyl-N-O-succinyl Chitosan Micelles Loaded with a Curcumin Analog (Cyqualone) for Treatment of Colon Cancer. Molecules, 2023, 28, 2693.	1.7	6
4166	5-fluorouracil-caffeic acid cocrystal delivery agent with long-term and synergistic high-performance antitumor effects. Nanomedicine, 2022, 17, 2215-2229.	1.7	2
4167	Therapeutic Delivery of Tumor Suppressor miRNAs for Breast Cancer Treatment. Biology, 2023, 12, 467.	1.3	9
4168	Cancer-Cell-Biomimetic Carbazole-Based AIE Nanoplatform for Targeted Phototheranostics of Lung Cancer. ACS Applied Nano Materials, 2023, 6, 6056-6065.	2.4	2
4169	Sonoprinting nanoparticles on cellular spheroids <i>via</i> surface acoustic waves for enhanced nanotherapeutics delivery. Lab on A Chip, 2023, 23, 2091-2105.	3.1	2
4170	mRNA-lipid Nanoparticle Vaccines: Structure and Delivery. , 0, 36, 1459-1467.		0
4171	Bacterial expression systems based on Tymovirus-like particles for the presentation of vaccine antigens. Frontiers in Microbiology, $0,14,.$	1.5	0
4172	Advanced nanoformulations for neurological therapeutics. , 2023, , 685-717.		0
4173	Physicochemical Properties and Route of Systemic Delivery Control the In Vivo Dynamics and Breakdown of Radiolabeled Gold Nanostars. Small, 2023, 19, .	5.2	4
4174	Variations in Biodistribution and Acute Response of Differently Shaped Titania Nanoparticles in Healthy Rodents. Nanomaterials, 2023, 13, 1174.	1.9	0
4175	Antiviral Lipid Nanocarrier Loaded with Remdesivir Effective Against SARS-CoV-2 in vitro Model. International Journal of Nanomedicine, 0, Volume 18, 1561-1575.	3.3	3
4176	Smart Nanosystems for Overcoming Multiple Biological Barriers in Cancer Nanomedicines Transport: Design Principles, Progress, and Challenges. Small, 2023, 19, .	5.2	4
4177	Theranostic inorganic–organic hybrid nanoparticles with a cocktail of chemotherapeutic and cytostatic drugs. Journal of Materials Chemistry B, 2023, 11, 3635-3649.	2.9	2
4178	Development of glycan-targeted nanoparticles as a novel therapeutic opportunity for gastric cancer treatment. Cancer Nanotechnology, 2023, 14, .	1.9	0
4179	TME-triggered copper-coordinated engineered programmable nanogenerators for on-demand cascade-amplifying oxidative stress. Journal of Materials Chemistry B, 2023, 11, 3679-3692.	2.9	1
4180	Intravascularly Deliverable Biomaterial Platforms for Tissue Repair and Regeneration Postâ€myocardial Infarction. Advanced Materials, 0, , .	11.1	0

#	Article	IF	CITATIONS
4181	Investigation of Inlet Conditions in The Mixing Process of Nanoparticles and Blood in a T-Shaped Microfluidic Reactor with Small Rectangular Cavities. Yale Journal of Biology and Medicine, 2023, 96, 43-55.	0.2	0
4182	Crosslinked Chitosan Nanoparticles with Muco-Adhesive Potential for Intranasal Delivery Applications. International Journal of Molecular Sciences, 2023, 24, 6590.	1.8	2
4183	Application of nanomaterials in the treatment of intracerebral hemorrhage. Journal of Tissue Engineering, 2023, 14, 204173142311570.	2.3	2
4184	Doxorubicin compositions with biocompatible terpolymer of N-vinylpyrrolidone, methacrylic acid and triethylene glycol dimethacrylate. Mendeleev Communications, 2023, 33, 255-258.	0.6	0
4185	Toxicological and Regulatory Challenges in Design and Development of Polymeric Micelles. , 2023, , 267-275.		1
4186	Multifunctional nanodrug performs sonodynamic therapy and inhibits TGF-β to boost immune response against colorectal cancer and liver metastasis. Acta Biomaterialia, 2023, 164, 538-552.	4.1	8
4187	Key Design Features of Lipid Nanoparticles and Electrostatic Charge-Based Lipid Nanoparticle Targeting. Pharmaceutics, 2023, 15, 1184.	2.0	4
4188	Metal and Metal Oxides Nanoparticles and Nanosystems in Anticancer and Antiviral Theragnostic Agents. Pharmaceutics, 2023, 15, 1181.	2.0	13
4189	The role of acoustofluidics and microbubble dynamics for therapeutic applications and drug delivery. Biomicrofluidics, 2023, 17, .	1.2	3
4190	Transformable nanodrugs for overcoming the biological barriers in the tumor environment during drug delivery. Nanoscale, 2023, 15, 8532-8547.	2.8	3
4191	Dynamic Processes and Mechanical Properties of Lipid–Nanoparticle Mixtures. Polymers, 2023, 15, 1828.	2.0	0
4192	Vision for Ratiometric Nanoprobes: <i>In Vivo</i> Noninvasive Visualization and Readout of Physiological Hallmarks. ACS Nano, 2023, 17, 7109-7134.	7.3	7
4193	Engineered nanomaterials that exploit blood-brain barrier dysfunction for delivery to the brain. Advanced Drug Delivery Reviews, 2023, 197, 114820.	6.6	8
4194	Smart Nanomaterials in Cancer Theranostics: Challenges and Opportunities. ACS Omega, 2023, 8, 14290-14320.	1.6	31
4195	Tumor-on-a-Chip: Microfluidic Models of Hypoxic Tumor Microenvironment., 2023,, 297-328.		0
4196	Light-Triggered Mechanical Disruption of Extracellular Barriers by Swarms of Enzyme-Powered Nanomotors for Enhanced Delivery. ACS Nano, 2023, 17, 7180-7193.	7.3	11
4197	Hepatocyte-targeted delivery using oleanolic acid-loaded liposomes for enhanced hepatocellular carcinoma therapy. Biomaterials Science, 2023, 11, 3952-3964.	2.6	3
4198	A nanomedicine based on stoichiometric coordination of camptothecin and organoplatinum (II) for synergistic antitumor therapy. Acta Biomaterialia, 2023, 164, 553-562.	4.1	2

#	ARTICLE	IF	CITATIONS
4199	Tailor-made nanocargoes as promising tool for brain targeting: Modulated approaches with better therapeutic outcomes. Journal of Drug Delivery Science and Technology, 2023, 84, 104466.	1.4	0
4200	Functionalization of polymeric nanoparticles with targeting VNAR ligands using vinyl sulfone conjugationâ€. Journal of Materials Chemistry B, O, , .	2.9	2
4201	Photothermal-accelerated urease-powered human serum albumin nanomotor for rapid and efficient photothermal and photodynamic cancer combination therapy. International Journal of Biological Macromolecules, 2023, 240, 124486.	3.6	2
4202	Self-adaptive nanoassembly enabling turn-on hypoxia illumination and periphery/center closed-loop tumor eradication. Cell Reports Medicine, 2023, 4, 101014.	3.3	3
4203	A homologous and molecular dual-targeted biomimetic nanocarrier for EGFR-related non-small cell lung cancer therapy. Bioactive Materials, 2023, 27, 337-347.	8.6	5
4204	Controllable Fabrication of Highly Uniform Subâ€10Ânm Nanoparticles from Spontaneous Confined Nanoemulsification. Small, 0, , .	5.2	1
4205	Oral DNA vaccine adjuvanted with cyclic peptide nanotubes induced a virus-specific antibody response in ducklings against goose parvovirus. Veterinary Quarterly, 2023, 43, 1-9.	3.0	0
4207	Shearâ€Triggered Release of Lipid Nanoparticles from Tissueâ€Mimetic Hydrogels. Macromolecular Rapid Communications, 0, , .	2.0	0
4208	Optimization of amino acid-based poly(ester urea urethane) nanoparticles for the systemic delivery of gambogic acid for treating triple negative breast cancer. Biomaterials Science, 2023, 11, 4370-4384.	2.6	4
4209	Nano-biomaterials for therapeutic and diagnostic applications. , 2023, , 617-649.		0
4210	A timescale-guided microfluidic synthesis of tannic acid-FellI network nanocapsules of hydrophobic drugs. Journal of Controlled Release, 2023, 357, 484-497.	4.8	4
4211	Fabricating higher-order functional DNA origami structures to reveal biological processes at multiple scales. NPG Asia Materials, 2023, 15, .	3.8	5
4212	Engineering cells for precision drug delivery: New advances, clinical translation, and emerging strategies. Advanced Drug Delivery Reviews, 2023, 197, 114840.	6.6	14
4213	Tailoring the formation and stability of self-assembled structures from precisely engineered intrinsically disordered protein polymers: A comprehensive review. Giant, 2023, 14, 100158.	2.5	O
4223	Bottom–up on-surface synthesis based on click-functionalized peptide bundles. Nanoscale, 2023, 15, 8996-9002.	2.8	1
4226	Modification of Extracellular Vesicle Surfaces: An Approach for Targeted Drug Delivery. BioDrugs, 2023, 37, 353-374.	2.2	2
4232	Role of Inorganic Nanocomposite Materials in Drug Delivery Systems. Composites Science and Technology, 2023, , 171-195.	0.4	0
4244	Scaling Perspective on Dynamics of Nanoparticles in Polymers: Length- and Time-Scale Dependent Nanoparticle–Polymer Coupling. Macromolecules, 2023, 56, 3809-3837.	2.2	8

#	Article	IF	CITATIONS
4249	Nanotechnology-based approaches in glioblastoma treatment: How can the dual blood-brain/tumor barriers be overcome?., 2023,, 435-475.		1
4250	An overview of current drug delivery strategies for glioblastoma treatment and barriers to progress. , 2023, , 405-434.		0
4275	Nanomedicine for Neurodegenerative Diseases. SpringerBriefs in Applied Sciences and Technology, 2023, , 33-43.	0.2	0
4301	Recent Progress in Hypoxia-Targeting: Peptide-Based Nanomaterials. , 2023, , 59-80.		0
4311	Photothermal Nanomaterials: A Powerful Light-to-Heat Converter. Chemical Reviews, 2023, 123, 6891-6952.	23.0	137
4321	The Dawn of a New Era: Targeting the "Undruggables―with Antibody-Based Therapeutics. Chemical Reviews, 2023, 123, 7782-7853.	23.0	13
4324	Surface-Modified Nanomaterials for Biogenic Applications. , 2023, , 101-135.		0
4334	Smart Nanocarrier-Based Cancer Therapeutics. Cancer Treatment and Research, 2023, , 207-235.	0.2	O
4338	Recent Advances in Nanoformulation-Based Intranasal Delivery of Bioactive Compounds and Biologics for Neurodegenerative Disorders (NDDs). Lecture Notes in Mechanical Engineering, 2023, , 61-76.	0.3	0
4340	Selective organ targeting nanoparticles: from design to clinical translation. Nanoscale Horizons, 2023, 8, 1155-1173.	4.1	1
4352	Drug delivery: The conceptual perspectives and therapeutic applications., 2023,, 1-38.		0
4358	Micro/Nanorobotic Swarms: From Fundamentals to Functionalities. ACS Nano, 2023, 17, 12971-12999.	7.3	13
4365	Nanoparticles with transformable physicochemical properties for overcoming biological barriers. Nanoscale, 0, , .	2.8	0
4374	Design, strategies, and therapeutics in nanoparticle-based siRNA delivery systems for breast cancer. Journal of Materials Chemistry B, 2023, 11, 8096-8116.	2.9	3
4377	Phyto nanomedicine for cancer therapy., 2023, , 313-347.		0
4383	Fluorescent dyes based on rhodamine derivatives for bioimaging and therapeutics: recent progress, challenges, and prospects. Chemical Society Reviews, 2023, 52, 5607-5651.	18.7	35
4390	Biological Barriers for Drug Delivery to Cancer Stem Cells. , 2023, , 271-288.		0
4397	Targeted breast cancer treatment: progress and challenges. , 2023, , 145-172.		0

#	Article	IF	CITATIONS
4427	Phospholipase-based nanocarriers for therapeutic applications. , 2023, , 111-128.		0
4457	Nanotechnology-enabled phytochemicals from Ayurvedic herbs for the treatment of neurodegenerative disorders: an overview. , 2023, , 611-633.		0
4458	General justification in terms of effectiveness and toxicities for the use of nanocarriers. Journal of Nanoparticle Research, 2023, 25, .	0.8	0
4463	Advances in siRNA delivery approaches in cancer therapy: challenges and opportunities. Molecular Biology Reports, 2023, 50, 9529-9543.	1.0	4
4470	Cancer Theranostic Applications of MXenes. ACS Symposium Series, 0, , 19-46.	0.5	0
4475	Nanotechnology for bacteriophages, bacteriophages for nanotechnology. , 2023, , 243-271.		0
4478	Nanozymes for Antioxidant Therapy. , 2023, , 111-164.		0
4479	Single Particle Chemical Characterisation of Nanoformulations for Cargo Delivery. AAPS Journal, 2023, 25, .	2.2	1
4494	Bacterial therapies at the interface of synthetic biology and nanomedicine. , 2024, 2, 120-135.		6
4516	â€~Passive' nanoparticles for organ-selective systemic delivery: design, mechanism and perspective. Chemical Society Reviews, 2023, 52, 7579-7601.	18.7	5
4523	Nanomedicine $\hat{a}\in$ " Immune System Interactions: Limitations and Opportunities for the Treatment of Cancer. Handbook of Experimental Pharmacology, 2023, , .	0.9	0
4528	Theranostic Applications of Functionalized Vesicular Carriers. , 2023, , 49-76.		0
4534	Bactericidal Effects: Microbial Nanoparticles as Next-Generation Antimicrobials. Environmental and Microbial Biotechnology, 2023, , 261-283.	0.4	0
4541	Polymers in drug delivery and targeting. , 2023, , 595-634.		0
4546	Progress of cell membrane-derived biomimetic nanovesicles for cancer phototherapy. Biomaterials Science, 0, , .	2.6	0
4552	Emerging Therapeutics and Delivery. , 2024, , 437-469.		0
4556	Targeting the lipid metabolic reprogramming of tumor-associated macrophages: A novel insight into cancer immunotherapy. Cellular Oncology (Dordrecht), 0, , .	2.1	2
4573	CPP Functionalized Nanoparticles. , 2023, , 469-541.		O

#	Article	IF	CITATIONS
4579	Biological Methods for Drug Delivery. Studies in Mechanobiology, Tissue Engineering and Biomaterials, 2023, , 1-20.	0.7	0
4580	Controlled Drug Delivery System. Studies in Mechanobiology, Tissue Engineering and Biomaterials, 2023, , 267-289.	0.7	1
4584	Advances in magnetic nanoparticle-based magnetic resonance imaging contrast agents. Nano Research, 2023, 16, 12531-12542.	5.8	2
4590	Recent advancement of nanomedicine-based targeted delivery for cervical cancer treatment. , 2023, 40,		O
4594	Afterglow bio-applications by utilizing triplet excited states of organic materials. Science China Chemistry, 2023, 66, 2930-2940.	4.2	6
4599	Biomanufacturing in Japan: frontier research from 2018 to 2023. Bio-Design and Manufacturing, 2023, 6, 617-645.	3.9	0
4601	Nanotechnology-driven improvisation of red algae-derived carrageenan for industrial and bio-medical applications. World Journal of Microbiology and Biotechnology, 2024, 40, .	1.7	0
4609	Development of nano-immunotherapy for cancer treatment: achievements and scopes. Journal of Pharmaceutical Investigation, 2023, 53, 827-844.	2.7	O
4623	Nanomedicines for the Treatment of Trypanosomiasis. AAPS Advances in the Pharmaceutical Sciences Series, 2023, , 239-263.	0.2	0
4626	Recent advancements in Mg-based micromotors for biomedical and environmental applications. Journal of Materials Chemistry B, O, , .	2.9	O
4629	Nanomaterials in Bioimaging and Diagnostics. , 2023, , 311-327.		0
4676	Harnessing the power of gold: advancements in anticancer gold complexes and their functionalized nanoparticles. Journal of Materials Chemistry B, 2024, 12, 552-576.	2.9	1
4679	Selected Biophysical Methods for Enhancing Biological Autoluminescence., 2023,, 475-487.		0
4682	Cubosomes as versatile lipid nanocarriers for neurological disorder therapeutics: a comprehensive review. Naunyn-Schmiedeberg's Archives of Pharmacology, 0, , .	1.4	O
4685	Artificial viruses: A nanotechnology based approach. DARU, Journal of Pharmaceutical Sciences, 0, , .	0.9	0
4691	Circumventing challenges in mitochondrial targeting for cancer treatment: leveraging nanoplatforms for effective solutions. Materials Advances, 2024, 5, 409-431.	2.6	O
4698	Strategies for non-viral vectors targeting organs beyond the liver. Nature Nanotechnology, 0, , .	15.6	2
4706	Silicon-containing nanomedicine and biomaterials: materials chemistry, multi-dimensional design, and biomedical application. Chemical Society Reviews, 2024, 53, 1167-1315.	18.7	1

#	Article	IF	CITATIONS
4707	Quantum Nanoscience in Targeted Drug Delivery. Advances in Medical Diagnosis, Treatment, and Care, 2023, , 249-276.	0.1	0
4711	Nanomaterials in Cancer Therapy. Advances in Medical Diagnosis, Treatment, and Care, 2023, , 217-248.	0.1	0
4712	Microfluidic synthesis of lipid-based nanoparticles for drug delivery: recent advances and opportunities. Lab on A Chip, 2024, 24, 1154-1174.	3.1	0
4722	The role of nanotechnology: Organic nanomaterials and the mechanism of cancer phototheranostics. , 2024, , 21-64.		0
4735	The promise of nanomedicine in ovarian cancer treatment: a review and outlook. , 2024, , .		0
4747	Advances in RNA therapeutics for modulation of â€~undruggable' targets. Progress in Molecular Biology and Translational Science, 2024, , 249-294.	0.9	0
4754	History, introduction, and physiochemical properties of gold nanoparticles., 2024,, 3-30.		0
4755	Future challenges of drug-delivery systems for phytochemicals in cancer management., 2024,, 229-241.		0
4765	Advances in functional lipid nanoparticles: from drug delivery platforms to clinical applications. 3 Biotech, 2024, 14, .	1.1	0
4775	Liposome-based nanomedicines for cancer immunotherapy. , 2024, , 271-298.		0
4776	Immunoadjuvants for cancer immunotherapy., 2024,, 1-36.		0
4777	Molecular mechanism(s) of angiogenesis, inflammation, and oxidative stress in cancer., 2024, , 57-73.		0
4778	Exosomes-based nanomedicines for cancer immunotherapy. , 2024, , 175-205.		0
4783	Formation, Regulation, and Eradication of Bacterial Biofilm in Human Infection. , 0, , .		0
4787	Quercetin: A Potential Drug Candidate for Inflammatory Bowel Disease. , 0, , .		0
4788	The mechanisms of nanoparticle delivery to solid tumours. , 2024, 2, 201-213.		0
4821	Nanotechnology in Delivery and Targeting of Phytochemicals for Lifestyle Diseases., 2023,, 497-524.		0
4824	Choice of Nanoparticles for Plasmonic Photothermal-Assisted Multimodal Cancer Therapy. Materials Horizons, 2024, , 27-67.	0.3	0

Article IF Citations