

CITATION REPORT

List of articles citing

Analysis of nanoparticle delivery to tumours

DOI: 10.1038/natrevmats.2016.14
Nature Reviews Materials, 2016, 1, .

Source: <https://exaly.com/paper-pdf/64684923/citation-report.pdf>

Version: 2024-04-25

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
2246	Stimuli-Responsive Block Copolymer-Based Assemblies for Cargo Delivery and Theranostic Applications. 2016 , 8,		49
2245	Docetaxel-Loaded Self-Assembly Stearic Acid-Modified Bletilla striata Polysaccharide Micelles and Their Anticancer Effect: Preparation, Characterization, Cellular Uptake and In Vitro Evaluation. 2016 , 21,		22
2244	Heterogeneous Uptake of Nanoparticles in Mouse Models of Pediatric High-Risk Neuroblastoma. 2016 , 11, e0165877		11
2243	The effect of particle density on ultrasound-mediated transport of nanoparticles. 2016 , 61, 7906-7918		12
2242	Mimicking biological functionality with polymers for biomedical applications. 2016 , 540, 386-394		278
2241	Co-delivery of doxorubicin and the traditional Chinese medicine quercetin using biotin-PEG2000-DSPE modified liposomes for the treatment of multidrug resistant breast cancer. 2016 , 6, 113173-113184		16
2240	Facilitating the Clinical Integration of Nanomedicines: The Roles of Theoretical and Computational Scientists. 2016 , 10, 8133-8		27
2239	Bridging the Gap between Macroscale Drug Delivery Systems and Nanomedicines: A Nanoparticle-Assembled Thermosensitive Hydrogel for Peritumoral Chemotherapy. 2016 , 8, 29323-29333		37
2238	Increasing the Impact of Materials in and beyond Bio-Nano Science. 2016 , 138, 13449-13456		39
2237	Assessing the Immunosafety of Engineered Nanoparticles with a Novel in Vitro Model Based on Human Primary Monocytes. 2016 , 8, 28437-28447		31
2236	Mechanical Force-Triggered Drug Delivery. 2016 , 116, 12536-12563		179
2235	Synthesis and Evaluation of Paclitaxel-Loaded Gold Nanoparticles for Tumor-Targeted Drug Delivery. 2016 , 27, 2646-2657		61
2234	The Penetrated Delivery of Drug and Energy to Tumors by Lipo-Graphene Nanosponges for Photolytic Therapy. 2016 , 10, 9420-9433		47
2233	Oxidation and Acid Milieu-Disintegratable Nanovectors with Rapid Cell-Penetrating Helical Polymer Chains for Programmed Drug Release and Synergistic Chemo-Photothermal Therapy. 2016 , 49, 7718-7727		45
2232	Biodistribution of Antibody-MS2 Viral Capsid Conjugates in Breast Cancer Models. 2016 , 13, 3764-3772		34
2231	Biologically Inspired Polydopamine Capped Gold Nanorods for Drug Delivery and Light-Mediated Cancer Therapy. 2016 , 8, 24368-84		128
2230	Image-Guided Radiotherapy Targets Macromolecules through Altering the Tumor Microenvironment. 2016 , 13, 3457-3467		18

2229	Mechanism of hard-nanomaterial clearance by the liver. 2016 , 15, 1212-1221	463
2228	Tailoring Renal Clearance and Tumor Targeting of Ultrasmall Metal Nanoparticles with Particle Density. 2016 , 55, 16039-16043	73
2227	Tailoring Renal Clearance and Tumor Targeting of Ultrasmall Metal Nanoparticles with Particle Density. 2016 , 128, 16273-16277	25
2226	Enhanced Antiglioblastoma Efficacy of Neovasculature and Glioma Cells Dual Targeted Nanoparticles. 2016 , 13, 3506-3517	20
2225	Anticancer nanoparticulate polymer-drug conjugate. 2016 , 1, 277-296	48
2224	Overcoming formulation challenges for the next generation of vaccines. 2016 , 13, 1501-1502	
2223	Biomaterials for Abrogating Metastasis: Bridging the Gap between Basic and Translational Research. 2016 , 5, 2312-9	9
2222	Biomimetic carriers mimicking leukocyte plasma membrane to increase tumor vasculature permeability. 2016 , 6, 34422	76
2221	Multifunctional Click Hyaluronic Acid Nanogels for Targeted Protein Delivery and Effective Cancer Treatment in Vivo. 2016 , 28, 8792-8799	66
2220	Depot system for controlled release of gold nanoparticles with precise intratumoral placement by permanent brachytherapy seed implantation (PSI) techniques. 2016 , 515, 729-739	12
2219	Exploiting Nanocarriers for Combination Cancer Therapy. 2016 , 375-402	
2218	Redox-Activated Light-Up Nanomicelle for Precise Imaging-Guided Cancer Therapy and Real-Time Pharmacokinetic Monitoring. 2016 , 10, 11385-11396	57
2217	Dual-Sensitized Luminescent Europium(III) and Terbium(III) Complexes as Bioimaging and Light-Responsive Therapeutic Agents. 2016 , 22, 17387-17396	52
2216	Exploiting the Metal-Chelating Properties of the Drug Cargo for In Vivo Positron Emission Tomography Imaging of Liposomal Nanomedicines. 2016 , 10, 10294-10307	57
2215	Reply to Evaluation of nanomedicines: stick to the basics. <i>Nature Reviews Materials</i> , 2016 , 1,	73-3 29
2214	Chitosan-folate coated mesoporous silica nanoparticles as a smart and pH-sensitive system for curcumin delivery. 2016 , 6, 105578-105588	53
2213	Cancer nanomedicine: Is targeting our target?. <i>Nature Reviews Materials</i> , 2016 , 1,	73-3 122
2212	Evaluation of nanomedicines: stick to the basics. <i>Nature Reviews Materials</i> , 2016 , 1,	73-3 78

2211	Binding of human serum albumin to PEGylated liposomes: insights into binding numbers and dynamics by fluorescence correlation spectroscopy. 2016 , 8, 19726-19736	22
2210	Efficient Targeting of Adipose Tissue Macrophages in Obesity with Polysaccharide Nanocarriers. 2016 , 10, 6952-62	56
2209	Smart Superstructures with Ultrahigh pH-Sensitivity for Targeting Acidic Tumor Microenvironment: Instantaneous Size Switching and Improved Tumor Penetration. 2016 , 10, 6753-61	377
2208	Functionalized, Long-Circulating, and Ultrasmall Gold Nanocarriers for Overcoming the Barriers of Low Nanoparticle Delivery Efficiency and Poor Tumor Penetration. 2017 , 28, 244-252	19
2207	Highly Specific and Sensitive Fluorescent Nanoprobes for Image-Guided Resection of Sub-Millimeter Peritoneal Tumors. 2017 , 11, 1466-1477	35
2206	Unmet needs in developing nanoparticles for precision medicine. 2017 , 12, 271-274	5
2205	An intraocular drug delivery system using targeted nanocarriers attenuates retinal ganglion cell degeneration. 2017 , 247, 153-166	33
2204	Bacterial Carriers for Glioblastoma Therapy. 2017 , 4, 1-17	16
2203	Bio-nano interface: The impact of biological environment on nanomaterials and their delivery properties. 2017 , 263, 211-222	42
2202	Mechanisms and Barriers in Cancer Nanomedicine: Addressing Challenges, Looking for Solutions. 2017 , 11, 12-18	181
2201	Light in diagnosis, therapy and surgery. 2017 , 1,	343
2200	Antitumor Platelet-Mimicking Magnetic Nanoparticles. 2017 , 27, 1604774	112
2199	Continuous In-Flight Synthesis for On-Demand Delivery of Ligand-Free Colloidal Gold Nanoparticles. 2017 , 17, 1336-1343	46
2198	A rapid screening method to evaluate the impact of nanoparticles on macrophages. 2017 , 9, 2492-2504	14
2197	Relay Drug Delivery for Amplifying Targeting Signal and Enhancing Anticancer Efficacy. 2017 , 29, 1605803	49
2196	Site-Specific Biomimetic Precision Chemistry of Bimodal Contrast Agent with Modular Peptides for Tumor-Targeted Imaging. 2017 , 28, 330-335	16
2195	Engineering platelet-mimicking drug delivery vehicles. 2017 , 11, 624-632	21
2194	Magnetic nanoparticles: A multifunctional vehicle for modern theranostics. 2017 , 1861, 1642-1651	101

2193	Taking the vehicle out of drug delivery. 2017 , 20, 95-97	32
2192	Boosting the therapeutic efficiency of nanovectors: exocytosis engineering. 2017 , 9, 3757-3765	7
2191	Enhancing Adoptive Cell Therapy of Cancer through Targeted Delivery of Small-Molecule Immunomodulators to Internalizing or Noninternalizing Receptors. 2017 , 11, 3089-3100	84
2190	Colloidal capsules: nano- and microcapsules with colloidal particle shells. 2017 , 46, 2091-2126	182
2189	Rational Design of Cancer Nanomedicine: Nanoproperty Integration and Synchronization. 2017 , 29, 1606628	545
2188	Activation of Duocarmycin-Antibody Conjugates by Near-Infrared Light. 2017 , 3, 329-337	85
2187	Chelator-Free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. 2017 , 129, 2935-2938	9
2186	Real-time liver uptake and biodistribution of magnetic nanoparticles determined by AC biosusceptometry. 2017 , 13, 1519-1529	23
2185	A theranostic platform for localized magnetic fluid hyperthermia and magnetic particle imaging. 2017 ,	3
2184	Nanomedicine approaches to improve cancer immunotherapy. 2017 , 9, e1456	29
2183	Targeting orthotopic gliomas with renal-clearable luminescent gold nanoparticles. 2017 , 10, 1366-1376	51
2182	Tumor-Penetrating Nanoparticles for Enhanced Anticancer Activity of Combined Photodynamic and Hypoxia-Activated Therapy. 2017 , 11, 2227-2238	299
2181	Silencing the roadblocks to effective triple-negative breast cancer treatments by siRNA nanoparticles. 2017 , 24, R81-R97	16
2180	Chelator-Free Radiolabeling of Nanographene: Breaking the Stereotype of Chelation. 2017 , 56, 2889-2892	53
2179	Polymers in the Co-delivery of siRNA and Anticancer Drugs for the Treatment of Drug-resistant Cancers. 2017 , 375, 24	17
2178	Intrinsic and Stable Conjugation of Thiolated Mesoporous Silica Nanoparticles with Radioarsenic. 2017 , 9, 6772-6781	34
2177	Clinical and commercial translation of advanced polymeric nanoparticle systems: opportunities and material challenges. 2017 , 4, 014001	22
2176	A Model-Based Approach To Assessing the Importance of Intracellular Binding Sites in Doxorubicin Disposition. 2017 , 14, 686-698	13

2175	Designing nanomedicine for immuno-oncology. 2017 , 1,	138
2174	Personalized medicine and follow-up of therapeutic delivery through exploitation of quantum dot toxicity. 2017 , 127, 1-12	27
2173	Combination antitumor therapy with targeted dual-nanomedicines. 2017 , 115, 23-45	88
2172	Modeling drug release from functionalized magnetic nanoparticles actuated by non-heating low frequency magnetic field. 2017 , 19, 1	8
2171	MRI-guided and ultrasound-triggered release of NO by advanced nanomedicine. 2017 , 9, 3637-3645	93
2170	Hierarchically Targeted and Penetrated Delivery of Drugs to Tumors by Size-Changeable Graphene Quantum Dot Nanoaircrafts for Photolytic Therapy. 2017 , 27, 1700056	68
2169	Ultrasensitive tumour-penetrating nanosensors of protease activity. 2017 , 1,	57
2168	Serum Protein-Resistant Behavior of Multisite-Bound Poly(ethylene glycol) Chains on Iron Oxide Surfaces. 2017 , 2, 1309-1320	21
2167	1D 2D shape selectivity in the crystallization-driven self-assembly of polylactide block copolymers. 2017 , 8, 4223-4230	125
2166	Extracellular Vesicle Production Loaded with Nanoparticles and Drugs in a Trade-off between Loading, Yield and Purity: Towards a Personalized Drug Delivery System. 2017 , 1, e1700044	15
2165	Exerting Enhanced Permeability and Retention Effect Driven Delivery by Ultrafine Iron Oxide Nanoparticles with T-T Switchable Magnetic Resonance Imaging Contrast. 2017 , 11, 4582-4592	137
2164	Toward redesigning the PEG surface of nanocarriers for tumor targeting: impact of inner functionalities on size, charge, multivalent binding, and biodistribution. 2017 , 8, 5186-5195	5
2163	Cell-borne 2D nanomaterials for efficient cancer targeting and photothermal therapy. 2017 , 133, 37-48	54
2162	Dipole Orientation Matters: Longer-Circulating Choline Phosphate than Phosphocholine Liposomes for Enhanced Tumor Targeting. 2017 , 9, 17736-17744	24
2161	Chemotherapeutic drug-photothermal agent co-self-assembling nanoparticles for near-infrared fluorescence and photoacoustic dual-modal imaging-guided chemo-photothermal synergistic therapy. 2017 , 258, 95-107	153
2160	Leveraging Colloidal Aggregation for Drug-Rich Nanoparticle Formulations. 2017 , 14, 1852-1860	14
2159	Multicellular tumor spheroids: a relevant 3D model for the in vitro preclinical investigation of polymer nanomedicines. 2017 , 8, 4947-4969	95
2158	Applying nanomedicine in maladaptive inflammation and angiogenesis. 2017 , 119, 143-158	29

2157	A silica supported tricarbocyanine based pH nanosensor with a large Stokes shift and a near infrared fluorescence response: performance in vitro and in live cells. 2017 , 5, 4031-4034	15
2156	Yeast capsules for targeted delivery: the future of nanotherapy?. 2017 , 12, 955-957	5
2155	Synthesis and Characterization of Micelle-Forming PEG-Poly(Amino Acid) Copolymers with Iron-Hydroxamate Cross-Linkable Blocks for Encapsulation and Release of Hydrophobic Drugs. 2017 , 18, 1874-1884	22
2154	External triggering and triggered targeting strategies for drug delivery. <i>Nature Reviews Materials</i> , 2017 , 2,	73-3 222
2153	Rethinking cancer nanotheranostics. <i>Nature Reviews Materials</i> , 2017 , 2,	73-3 639
2152	Deformable Discoidal Polymeric Nanoconstructs for the Precise Delivery of Therapeutic and Imaging Agents. 2017 , 25, 1514-1521	26
2151	pH-Sensitive Reversible Programmed Targeting Strategy by the Self-Assembly/Disassembly of Gold Nanoparticles. 2017 , 9, 16767-16777	22
2150	Towards clinically translatable nanodiagnosics. <i>Nature Reviews Materials</i> , 2017 , 2,	73-3 178
2149	Self-assembled core-polyethylene glycol-lipid shell nanoparticles demonstrate high stability in shear flow. 2017 , 19, 13294-13306	19
2148	Green synthesis of luminescent and defect-free bio-nanosheets of MoS ₂ : interfacing two-dimensional crystals with hydrophobins. 2017 , 7, 22400-22408	22
2147	Imaging-guided revival of nanomedicine?. 2017 , 12, 89-90	2
2146	Design of nanocarriers for nanoscale drug delivery to enhance cancer treatment using hybrid polymer and lipid building blocks. 2017 , 9, 1334-1355	99
2145	Evolution of the scientific literature on drug delivery: A 1974-2015 bibliometric study. 2017 , 260, 226-233	18
2144	Nanoparticle design strategies for enhanced anticancer therapy by exploiting the tumour microenvironment. 2017 , 46, 3830-3852	500
2143	Delivering safer immunotherapies for cancer. 2017 , 114, 79-101	154
2142	Three-Dimensional Imaging of Transparent Tissues via Metal Nanoparticle Labeling. 2017 , 139, 9961-9971	46
2141	Nanomedicine for prostate cancer using nanoemulsion: A review. 2017 , 260, 111-123	26
2140	Dispersity effects in polymer self-assemblies: a matter of hierarchical control. 2017 , 46, 4119-4134	92

2139	Comprehensive study of the drug delivery properties of poly(l-lactide)-poly(ethylene glycol) nanoparticles in rats and tumor-bearing mice. 2017 , 261, 31-42	37
2138	How should we plan the future of nanomedicine for cancer diagnosis and therapy?. 2017 , 532, 657-659	10
2137	Exposing the tumor microenvironment: how gold nanoparticles enhance and refine drug delivery. 2017 , 8, 363-366	9
2136	Nanomaterial-Enabled Cancer Therapy. 2017 , 25, 1501-1513	85
2135	Rituxan nanoconjugation prolongs drug/cell interaction and enables simultaneous depletion and enhanced Raman detection of lymphoma cells. 2017 , 5, 5165-5175	6
2134	Influence of Size and Shape on the Anatomical Distribution of Endotoxin-Free Gold Nanoparticles. 2017 , 11, 5519-5529	99
2133	Radiation therapy primes tumors for nanotherapeutic delivery via macrophage-mediated vascular bursts. 2017 , 9,	132
2132	NanoEHS beyond Toxicity - Focusing on Biocorona. 2017 , 7, 1433-1454	33
2131	Biomedical applications of nanodiamond (Review). 2017 , 28, 252001	173
2130	Cancer-on-a-chip systems at the frontier of nanomedicine. 2017 , 22, 1392-1399	84
2129	Enhancing Tumor Penetration of Nanomedicines. 2017 , 18, 1449-1459	127
2128	Vectorization of ultrasound-responsive nanoparticles in placental mesenchymal stem cells for cancer therapy. 2017 , 9, 5528-5537	39
2127	Delivery of Pesticides to Plant Parasitic Nematodes Using Tobacco Mild Green Mosaic Virus as a Nanocarrier. 2017 , 11, 4719-4730	48
2126	Exosomes in Cancer Nanomedicine and Immunotherapy: Prospects and Challenges. 2017 , 35, 665-676	224
2125	Efficacy, long-term toxicity, and mechanistic studies of gold nanorods photothermal therapy of cancer in xenograft mice. 2017 , 114, E3110-E3118	176
2124	Interactions of Renal-Clearable Gold Nanoparticles with Tumor Microenvironments: Vasculature and Acidity Effects. 2017 , 56, 4314-4319	42
2123	Using single nanoparticle tracking obtained by nanophotonic force microscopy to simultaneously characterize nanoparticle size distribution and nanoparticle-surface interactions. 2017 , 9, 4524-4535	7
2122	Interactions of Renal-Clearable Gold Nanoparticles with Tumor Microenvironments: Vasculature and Acidity Effects. 2017 , 129, 4378-4383	13

2121	Nanohybrid magnetic liposome functionalized with hyaluronic acid for enhanced cellular uptake and near-infrared-triggered drug release. 2017 , 154, 104-114	37
2120	Diverse Applications of Nanomedicine. 2017 , 11, 2313-2381	714
2119	Regimes of Biomolecular Ultrasmall Nanoparticle Interactions. 2017 , 129, 4279-4282	10
2118	Regimes of Biomolecular Ultrasmall Nanoparticle Interactions. 2017 , 56, 4215-4218	62
2117	Multifunctional nanoparticle composites: progress in the use of soft and hard nanoparticles for drug delivery and imaging. 2017 , 9, e1466	37
2116	Designing Hydrogels for On-Demand Therapy. 2017 , 50, 669-679	136
2115	Lessons from immuno-oncology: a new era for cancer nanomedicine?. 2017 , 16, 369-370	30
2114	Peptide-functionalized gold nanoparticles: versatile biomaterials for diagnostic and therapeutic applications. 2017 , 5, 872-886	109
2113	Non-invasive aerosol delivery and transport of gold nanoparticles to the brain. 2017 , 7, 44718	35
2112	Nanomedicine 2.0. 2017 , 50, 627-632	77
2111	Standard Cellular Testing Conditions Generate an Exaggerated Nanoparticle Cytotoxicity Profile. 2017 , 30, 595-603	15
2110	Safe approaches for camptothecin delivery: Structural analogues and nanomedicines. 2017 , 247, 28-54	49
2109	Carbamoylmannose enhances the tumor targeting ability of supramolecular nanoparticles formed through host-guest complexation of a pair of homopolymers. 2017 , 5, 834-848	14
2108	Mapping of Molecular Structure of the Nanoscale Surface in Bionanoparticles. 2017 , 139, 111-114	73
2107	From Composition to Cure: A Systems Engineering Approach to Anticancer Drug Carriers. 2017 , 56, 6712-6733	61
2106	Von der Zusammensetzung zur Heilung: ein systemtechnischer Ansatz zur Entwicklung von Trägern für Tumortheraeutika. 2017 , 129, 6814-6837	8
2105	Combining magnetic particle imaging and magnetic fluid hyperthermia in a theranostic platform. 2017 , 62, 3483-3500	78
2104	Albumin-coated nanocrystals for carrier-free delivery of paclitaxel. 2017 , 263, 90-101	53

2103	Phenotype Determines Nanoparticle Uptake by Human Macrophages from Liver and Blood. 2017 , 11, 2428-2443	139
2102	Interactions between circulating nanoengineered polymer particles and extracellular matrix components in vitro. 2017 , 5, 267-273	9
2101	Biomaterials to suppress cancer stem cells and disrupt their tumoral niche. 2017 , 523, 490-505	13
2100	Erythrocyte Membrane-Coated Upconversion Nanoparticles with Minimal Protein Adsorption for Enhanced Tumor Imaging. 2017 , 9, 2159-2168	140
2099	Nanoparticles for radiooncology: Mission, vision, challenges. 2017 , 120, 155-184	73
2098	Docetaxel-Loaded PLGA Nanoparticles Improve Efficacy in Taxane-Resistant Triple-Negative Breast Cancer. 2017 , 17, 242-248	70
2097	Assessing the Benefits of Drug Delivery by Nanocarriers: A Partico/Pharmacokinetic Framework. 2017 , 64, 2176-2185	8
2096	New Advances in Nanotechnology-Based Diagnosis and Therapeutics for Breast Cancer: An Assessment of Active-Targeting Inorganic Nanoplatforms. 2017 , 28, 135-152	70
2095	Small molecule delivery to solid tumors with chitosan-coated PLGA particles: A lesson learned from comparative imaging. 2017 , 268, 407-415	21
2094	Cube-shaped theranostic paclitaxel prodrug nanocrystals with surface functionalization of SPC and MPEG-DSPE for imaging and chemotherapy. 2017 , 160, 649-660	8
2093	Effect of high intensity focused ultrasound (HIFU) in conjunction with a nanomedicines-microbubble complex for enhanced drug delivery. 2017 , 266, 75-86	31
2092	Targeting tumor associated macrophages: The new challenge for nanomedicine. 2017 , 34, 103-113	74
2091	Targeted Soft Biodegradable Glycine/PEG/RGD-Modified Poly(methacrylic acid) Nanobubbles as Intelligent Theranostic Vehicles for Drug Delivery. 2017 , 9, 35604-35612	22
2090	Redox-triggered activation of nanocarriers for mitochondria-targeting cancer chemotherapy. 2017 , 9, 17044-17053	39
2089	Doxorubicin-conjugated Escherichia coli Nissle 1917 swimmers to achieve tumor targeting and responsive drug release. 2017 , 268, 390-399	41
2088	Nanomedicine: You shall not pass. <i>Nature Reviews Materials</i> , 2017 , 2,	73-3
2087	NIR light-activated dual-modality cancer therapy mediated by photochemical internalization of porous nanocarriers with tethered lipid bilayers. 2017 , 5, 8289-8298	17
2086	ATP and NADPH coated iron oxide nanoparticles for targeting of highly metabolic tumor cells. 2017 , 5, 8353-8365	6

2085	Exploiting homing abilities of cell carriers: Targeted delivery of nanoparticles for cancer therapy. 2017 , 145, 18-26	18
2084	Bio-inspired engineering of cell- and virus-like nanoparticles for drug delivery. 2017 , 147, 155-168	134
2083	Hyaluronic acid-green tea catechin micellar nanocomplexes: Fail-safe cisplatin nanomedicine for the treatment of ovarian cancer without off-target toxicity. 2017 , 148, 41-53	55
2082	Small molecules convey big messages: Boosting non-viral nucleic acid delivery with low molecular weight drugs. 2017 , 16, 14-29	8
2081	Engineering and physical sciences in oncology: challenges and opportunities. 2017 , 17, 659-675	153
2080	Targeted drug delivery using iRGD peptide for solid cancer treatment. 2017 , 2, 370-379	30
2079	EGFR-targeting PLGA-PEG nanoparticles as a curcumin delivery system for breast cancer therapy. 2017 , 9, 16365-16374	74
2078	Multimodal nanoparticle imaging agents: design and applications. 2017 , 375,	44
2077	Programmed Nanococktail Based on pH-Responsive Function Switch for Self-Synergistic Tumor-Targeting Therapy. 2017 , 9, 39127-39142	25
2076	Flow cytometry as a rapid analytical tool to determine physiological responses to changing O and iron concentration by Magnetospirillum gryphiswaldense strain MSR-1. 2017 , 7, 13118	10
2075	A chloroquine-induced macrophage-preconditioning strategy for improved nanodelivery. 2017 , 7, 13738	80
2074	Advances in the design of solid lipid nanoparticles and nanostructured lipid carriers for targeting brain diseases. 2017 , 264, 306-332	242
2073	A multicomponent microemulsion using rational combination strategy improves lung cancer treatment through synergistic effects and deep tumor penetration. 2017 , 24, 1179-1190	17
2072	A Tumor-Specific Cascade Amplification Drug Release Nanoparticle for Overcoming Multidrug Resistance in Cancers. 2017 , 29, 1702342	209
2071	Intermolecular Interactions between Coencapsulated Drugs Inhibit Drug Crystallization and Enhance Colloidal Stability of Polymeric Micelles. 2017 , 14, 3568-3576	8
2070	Two-Dimensional Graphene Augments Nanosensitized Sonocatalytic Tumor Eradication. 2017 , 11, 9467-9480	173
2069	Nanoparticles and innate immunity: new perspectives on host defence. 2017 , 34, 33-51	160
2068	Transformative Nanomedicine of an Amphiphilic Camptothecin Prodrug for Long Circulation and High Tumor Uptake in Cancer Therapy. 2017 , 11, 8838-8848	118

2067	A review on engineering polymer drug conjugates to improve combination chemotherapy. 2017 , 31, 75-85	48
2066	Form Follows Function: Nanoparticle Shape and Its Implications for Nanomedicine. 2017 , 117, 11476-11521	300
2065	Methotrexate-Camptothecin Prodrug Nanoassemblies as a Versatile Nanoplatfom for Biomodal Imaging-Guided Self-Active Targeted and Synergistic Chemotherapy. 2017 , 9, 34650-34665	80
2064	Bridging Bio-Nano Science and Cancer Nanomedicine. 2017 , 11, 9594-9613	222
2063	Influence of Size and Shape on the Biodistribution of Nanoparticles Prepared by Polymerization-Induced Self-Assembly. 2017 , 18, 3963-3970	64
2062	Tailored Approaches in Drug Development and Diagnostics: From Molecular Design to Biological Model Systems. 2017 , 6, 1700258	25
2061	Target-or-Clear Zirconium-89 Labeled Silica Nanoparticles for Enhanced Cancer-Directed Uptake in Melanoma: A Comparison of Radiolabeling Strategies. 2017 , 29, 8269-8281	44
2060	Ligand-Targeted Drug Delivery. 2017 , 117, 12133-12164	267
2059	Synthesis, Assembly, and Applications of Hybrid Nanostructures for Biosensing. 2017 , 117, 12942-13038	191
2058	Overcoming key biological barriers to cancer drug delivery and efficacy. 2017 , 267, 15-30	59
2057	Challenges in realizing selectivity for nanoparticle biodistribution and clearance: lessons from gold nanoparticles. 2017 , 8, 763-774	63
2056	Effect of Hydrophobic Chain Length on the Stability and Guest Exchange Behavior of Shell-Sheddable Micelles Formed by Disulfide-Linked Diblock Copolymers. 2017 , 121, 9708-9717	6
2055	Making vessels more permeable. 2017 , 1, 629-631	3
2054	Plasma protein adsorption and biological identity of systemically administered nanoparticles. 2017 , 12, 2113-2135	50
2053	Realizing the therapeutic potential of rare earth elements in designing nanoparticles to target and treat glioblastoma. 2017 , 12, 2389-2401	12
2052	In Vivo X-ray Imaging of Transport of Renal Clearable Gold Nanoparticles in the Kidneys. 2017 , 129, 13541-13545	15
2051	In Vivo X-ray Imaging of Transport of Renal Clearable Gold Nanoparticles in the Kidneys. 2017 , 56, 13356-13360	19
2050	Cancer Immunotherapy: From local to global. 2017 , 12, 840-841	7

2049	Magnetic Nanoparticle Assisted Self-assembly of Cell Penetrating Peptides-Oligonucleotides Complexes for Gene Delivery. 2017 , 7, 9159	58
2048	Contribution of Kupffer cells to liposome accumulation in the liver. 2017 , 158, 356-362	57
2047	Engineered Hydrogels in Cancer Therapy and Diagnosis. 2017 , 35, 1074-1087	91
2046	Cancer Nanomedicine: Lessons for Immuno-Oncology. 2017 , 3, 551-560	32
2045	The drug delivery field at the inflection point: Time to fight its way out of the egg. 2017 , 267, 2-14	35
2044	Photothermal Effect Enhanced Cascade-Targeting Strategy for Improved Pancreatic Cancer Therapy by Gold Nanoshell@Mesoporous Silica Nanorod. 2017 , 11, 8103-8113	104
2043	Polymers as drugs Advances in therapeutic applications of polymer binding agents. 2017 , 55, 3146-3157	23
2042	Thermosensitive micellar hydrogel for enhanced anticancer therapy through redox modulation mediated combinational effects. 2017 , 7, 34755-34762	2
2041	Engineering the Surface of Smart Nanocarriers Using a pH-/Thermal-/GSH-Responsive Polymer Zipper for Precise Tumor Targeting Therapy In Vivo. 2017 , 29, 1702311	77
2040	FRET-enabled monitoring of the thermosensitive nanoscale assembly of polymeric micelles into macroscale hydrogel and sequential cognate micelles release. 2017 , 145, 81-91	35
2039	Getting Drugs Across Biological Barriers. 2017 , 29, 1606596	97
2038	Controlled Functionalization of Gold Nanoparticles with Mixtures of Calix[4]arenes Revealed by Infrared Spectroscopy. 2017 , 33, 8253-8259	24
2037	Lipophilic siRNA targets albumin in situ and promotes bioavailability, tumor penetration, and carrier-free gene silencing. 2017 , 114, E6490-E6497	63
2036	Complex effects of tumor microenvironment on the tumor disposition of carrier-mediated agents. 2017 , 12, 2021-2042	8
2035	A new prospect in magnetic nanoparticle-based cancer therapy: Taking credit from mathematical tissue-mimicking phantom brain models. 2017 , 13, 2405-2414	25
2034	Membrane interactions and antimicrobial effects of inorganic nanoparticles. 2017 , 248, 105-128	36
2033	Promises and limitations of nanoparticles in the era of cell therapy: Example with CD19-targeting chimeric antigen receptor (CAR)-modified T cells. 2017 , 532, 813-824	12
2032	Synthesis of different-sized gold nanostars for Raman bioimaging and photothermal therapy in cancer nanotheranostics. 2017 , 60, 1219-1229	36

2031	Nonviral cancer gene therapy: Delivery cascade and vector nanoproperty integration. 2017 , 115, 115-154	237
2030	Ultrasound Improves the Delivery and Therapeutic Effect of Nanoparticle-Stabilized Microbubbles in Breast Cancer Xenografts. 2017 , 43, 2651-2669	53
2029	Review of the progress toward achieving heat confinement-the holy grail of photothermal therapy. 2017 , 22, 80901	34
2028	Design of nanocarriers based on complex biological barriers in vivo for tumor therapy. 2017 , 15, 56-90	79
2027	Tumour-vessel-on-a-chip models for drug delivery. 2017 , 17, 3760-3771	52
2026	Nanotechnology for Neuroscience: Promising Approaches for Diagnostics, Therapeutics and Brain Activity Mapping. 2017 , 27, 1700489	28
2025	Bioreducible Hydrophobin-Stabilized Supraparticles for Selective Intracellular Release. 2017 , 11, 9413-9423	31
2024	Hybrid nanomaterials of WS or MoS nanosheets with liposomes: biointerfaces and multiplexed drug delivery. 2017 , 9, 13187-13194	33
2023	Polymer therapeutics at a crossroads? Finding the path for improved translation in the twenty-first century. 2017 , 25, 759-780	39
2022	Cu(II)-Doped Polydopamine-Coated Gold Nanorods for Tumor Theranostics. 2017 , 9, 44293-44306	32
2021	High-Resolution Single Particle Zeta Potential Characterisation of Biological Nanoparticles using Tunable Resistive Pulse Sensing. 2017 , 7, 17479	97
2020	Dual redox-responsive PEGBPSRGD self-crosslinked nanocapsules for targeted chemotherapy of squamous cell carcinoma. 2017 , 7, 53552-53562	5
2019	Effect of removing Kupffer cells on nanoparticle tumor delivery. 2017 , 114, E10871-E10880	142
2018	A nanoparticle-preparation kit using ethylene glycol-based block copolymers with a common temperature-responsive block. 2017 , 8, 7311-7315	2
2017	Near-infrared remotely triggered drug-release strategies for cancer treatment. 2017 , 114, 12419-12424	54
2016	Optimal multivalent targeting of membranes with many distinct receptors. 2017 , 114, 7210-7215	58
2015	Control of in vivo disposition and immunogenicity of polymeric micelles by adjusting poly(sarcosine) chain lengths on surface. 2017 , 19, 1	5
2014	Dual-Mode Mass Spectrometric Imaging for Determination of in Vivo Stability of Nanoparticle Monolayers. 2017 , 11, 7424-7430	26

2013	Two small molecular propellers and their rotational potential energy surfaces. 2017 , 28, 1653-1662	3
2012	Advances in Alzheimer's Diagnosis and Therapy: The Implications of Nanotechnology. 2017 , 35, 937-953	87
2011	Parameters Affecting the Enhanced Permeability and Retention Effect: The Need for Patient Selection. 2017 , 106, 3179-3187	82
2010	Zwitterionic Temperature/Redox-Sensitive Nanogels for Near-Infrared Light-Triggered Synergistic Thermo-Chemotherapy. 2017 , 9, 23564-23573	38
2009	Exploring Passive Clearing for 3D Optical Imaging of Nanoparticles in Intact Tissues. 2017 , 28, 253-259	35
2008	Bioimaging of nanoparticles: the crucial role of discriminating nanoparticles from free probes. 2017 , 22, 382-387	38
2007	Cancer nanomedicines: oversold or underappreciated?. 2017 , 14, 1-5	86
2006	Binding and Uptake into Human Hepatocellular Carcinoma Cells of Peptide-Functionalized Gold Nanoparticles. 2017 , 28, 222-229	19
2005	Breaking Down the Barriers to Precision Cancer Nanomedicine. 2017 , 35, 159-171	198
2004	Phototriggered Drug Delivery Using Inorganic Nanomaterials. 2017 , 28, 98-104	46
2003	Strategies for improving drug delivery: nanocarriers and microenvironmental priming. 2017 , 14, 865-877	29
2002	Induced protein degradation: an emerging drug discovery paradigm. 2017 , 16, 101-114	623
2001	Biological Identity of Nanoparticles In Vivo: Clinical Implications of the Protein Corona. 2017 , 35, 257-264	244
2000	. 2017 ,	
1999	Nanoparticle conjugates of a highly potent toxin enhance safety and circumvent platinum resistance in ovarian cancer. 2017 , 8, 2166	58
1998	Solid-phase supported design of carriers for therapeutic nucleic acid delivery. 2017 , 37,	7
1997	Cancer resistance to treatment and antiresistance tools offered by multimodal multifunctional nanoparticles. 2017 , 8, 7	29
1996	A Decade of the Protein Corona. 2017 , 11, 11773-11776	329

1995	Enhanced Uptake of Fe ₃ O ₄ Nanoparticles by Intestinal Epithelial Cells in a State of Inflammation. 2017 , 22,	7
1994	Drug discovery. 2017 , 281-420	1
1993	Size Control and Fluorescence Labeling of Polydopamine Melanin-Mimetic Nanoparticles for Intracellular Imaging. 2017 , 2,	23
1992	Mesoporous Silica Nanoparticles as Drug Delivery Vehicles in Cancer. 2017 , 7,	213
1991	Nanoscale Sensing Using Point Defects in Single-Crystal Diamond: Recent Progress on Nitrogen Vacancy Center-Based Sensors. 2017 , 7, 124	31
1990	Targeting Splicing in the Treatment of Human Disease. 2017 , 8,	26
1989	Nanoparticles as Theranostic Vehicles in Experimental and Clinical Applications-Focus on Prostate and Breast Cancer. 2017 , 18,	47
1988	Graphene composites with proteins and biologics. 2017 , 155-186	1
1987	A New Approach to Deliver Anti-cancer Nanodrugs with Reduced Off-target Toxicities and Improved Efficiency by Temporarily Blunting the Reticuloendothelial System with Intralipid. 2017 , 7, 16106	15
1986	Nanoparticle-based drug delivery systems: What can they really do ?. 2017 , 6, 681	38
1985	The Potential of Zebrafish as a Model Organism for Improving the Translation of Genetic Anticancer Nanomedicines. 2017 , 8,	20
1984	Micelles Formed by Polypeptide Containing Polymers Synthesized Via N-Carboxy Anhydrides and Their Application for Cancer Treatment. 2017 , 9,	5
1983	Supramolecular Polymers in Nanomedicine. 2017 , 227-254	2
1982	In vivo tissue distribution and safety of polyacrylic acid-modified titanium peroxide nanoparticles as novel radiosensitizers. 2018 , 126, 119-125	9
1981	Multifunctional nanomedicine with silica: Role of silica in nanoparticles for theranostic, imaging, and drug monitoring. 2018 , 521, 261-279	114
1980	An efficient synergistic cancer therapy by integrating cell cycle inhibitor and photosensitizer into polydopamine nanoparticles. 2018 , 6, 2620-2629	9
1979	Biocompatible Semiconductor Quantum Dots as Cancer Imaging Agents. 2018 , 30, e1706356	154
1978	Anti-tumor efficacy of hyaluronan-based nanoparticles for the co-delivery of drugs in lung cancer. 2018 , 275, 117-128	45

1977	Synthesis and targeting of gold-coated Lu-containing lanthanide phosphate nanoparticles-A potential theranostic agent for pulmonary metastatic disease. 2018 , 2, 016101	11
1976	Nanoparticle assisted laser desorption/ionization mass spectrometry for small molecule analytes. 2018 , 185, 200	79
1975	Light-Triggered Retention and Cascaded Therapy of Albumin-Based Theranostic Nanomedicines to Alleviate Tumor Adaptive Treatment Tolerance. 2018 , 28, 1707291	51
1974	Label-free in-flow detection of receptor recognition motifs on the biomolecular corona of nanoparticles. 2018 , 10, 5474-5481	19
1973	Readily prepared biodegradable nanoparticles to formulate poorly water soluble drugs improving their pharmacological properties: The example of trabectedin. 2018 , 276, 140-149	9
1972	Cytochrome P450 1B1 promotes cancer cell survival via specificity protein 1 (Sp1)-mediated suppression of death receptor 4. 2018 , 81, 278-287	10
1971	Physical Properties of Biomolecules at the Nanomaterial Interface. 2018 , 122, 2827-2840	38
1970	Extracellular vesicles as a platform for membrane-associated therapeutic protein delivery. 2018 , 7, 1440131	98
1969	Switching of Macromolecular Ligand Display by Thermoresponsive Polymers Mediates Endocytosis of Multiconjugate Nanoparticles. 2018 , 29, 1030-1046	13
1968	Co-administration of a charge-conversional dendrimer enhances antitumor efficacy of conventional chemotherapy. 2018 , 127, 371-377	10
1967	Advances in glycosylation-mediated cancer-targeted drug delivery. 2018 , 23, 1126-1138	36
1966	Towards clinical translation of ligand-functionalized liposomes in targeted cancer therapy: Challenges and opportunities. 2018 , 277, 1-13	143
1965	Quantifying Vascular Distribution and Adhesion of Nanoparticles with Protein Corona in Microflow. 2018 , 34, 3731-3741	5
1964	Massively parallel approximate Bayesian computation for estimating nanoparticle diffusion coefficients, sizes and concentrations using confocal laser scanning microscopy. 2018 , 271, 174	
1963	Protein Corona in Response to Flow: Effect on Protein Concentration and Structure. 2018 , 115, 209-216	28
1962	Materials Nanoarchitectonics: Drug Delivery System. 2018 , 277-290	
1961	Cooperativity Principles in Self-Assembled Nanomedicine. 2018 , 118, 5359-5391	94
1960	Approaches to improve the biocompatibility and systemic circulation of inorganic porous nanoparticles. 2018 , 6, 3632-3649	20

1959	Dendrimer-based nanoparticles in cancer chemotherapy and gene therapy. 2018 , 61, 1404-1419	15
1958	Reversal of drug resistance by planetary ball milled (PBM) nanoparticle loaded with resveratrol and docetaxel in prostate cancer. 2018 , 427, 49-62	44
1957	The effect of the androstane lung cancer inhibitor content on the cell-selective toxicity of hydroxyapatite-chitosan-PLGA nanocomposites. 2018 , 89, 371-377	6
1956	Differential Recognition of Nanoparticle Protein Corona and Modified Low-Density Lipoprotein by Macrophage Receptor with Collagenous Structure. 2018 , 12, 4930-4937	42
1955	Carbon-based hybrid nanogels: a synergistic nanoplatform for combined biosensing, bioimaging, and responsive drug delivery. 2018 , 47, 4198-4232	146
1954	Noninvasive monitoring of nanoparticle clearance and aggregation in blood circulation by in vivo flow cytometry. 2018 , 278, 66-73	8
1953	Nanoenzyme-Augmented Cancer Sonodynamic Therapy by Catalytic Tumor Oxygenation. 2018 , 12, 3780-3795	296
1952	Transforming nanomedicine manufacturing toward Quality by Design and microfluidics. 2018 , 128, 115-131	46
1951	pH protective Y receptor ligand functionalized antiphagocytosis BPLP-WPU micelles for enhanced tumor imaging and therapy with prolonged survival time. 2018 , 170, 70-81	33
1950	A pH-responsive organic photosensitizer specifically activated by cancer lysosomes. 2018 , 156, 285-290	22
1949	Perfluorocarbon-based nanomedicine: emerging strategy for diagnosis and treatment of diseases. 2018 , 8, 303-313	11
1948	Quantifying the Sub-Cellular Distributions of Gold Nanospheres Taken Up by Cells through Stepwise, Site-Selective Etching. 2018 , 24, 8513-8518	2
1947	Progress and challenges towards targeted delivery of cancer therapeutics. 2018 , 9, 1410	976
1946	Harnessing Biology to Deliver Therapeutic and Imaging Entities via Cell-Based Methods. 2018 , 24, 8717-8726	6
1945	Efficacy of paclitaxel/dexamethasone intra-tumoral delivery in treating orthotopic mouse breast cancer. 2018 , 279, 1-7	14
1944	Enhanced liver-targeting via coadministration of 10-Hydroxycamptothecin polymeric micelles with vinegar baked Radix Bupleuri. 2018 , 44, 1-8	13
1943	New Strategies in the Design of Nanomedicines to Oppose Uptake by the Mononuclear Phagocyte System and Enhance Cancer Therapeutic Efficacy. 2018 , 13, 3333-3340	40
1942	Co-delivery nanoparticle to overcome metastasis promoted by insufficient chemotherapy. 2018 , 275, 67-77	30

1941	Recent advances in siRNA delivery for cancer therapy using smart nanocarriers. 2018 , 23, 900-911	70
1940	Quantitative self-assembly prediction yields targeted nanomedicines. 2018 , 17, 361-368	87
1939	Dual tumor-targeted multifunctional magnetic hyaluronic acid micelles for enhanced MR imaging and combined photothermal-chemotherapy. 2018 , 164, 424-435	35
1938	Cell membrane-coated nanocarriers: the emerging targeted delivery system for cancer theranostics. 2018 , 23, 891-899	83
1937	Recent advances in anti-angiogenic nanomedicines for cancer therapy. 2018 , 10, 5393-5423	46
1936	Characterization of nanomedicines: A reflection on a field under construction needed for clinical translation success. 2018 , 275, 254-268	59
1935	Nanoparticles for Immune Cytokine TRAIL-Based Cancer Therapy. 2018 , 12, 912-931	81
1934	Understanding receptor-mediated endocytosis of elastic nanoparticles through coarse grained molecular dynamic simulation. 2018 , 20, 16372-16385	29
1933	Aggregation of polyethylene glycol polymers suppresses receptor-mediated endocytosis of PEGylated liposomes. 2018 , 10, 4545-4560	46
1932	Leukocyte-derived biomimetic nanoparticulate drug delivery systems for cancer therapy. 2018 , 8, 4-13	40
1931	Semiconducting Photothermal Nanoagonist for Remote-Controlled Specific Cancer Therapy. 2018 , 18, 1498-1505	138
1930	Fucoidan Prolongs the Circulation Time of Dextran-Coated Iron Oxide Nanoparticles. 2018 , 12, 1156-1169	53
1929	Nanoparticle elasticity directs tumor uptake. 2018 , 9, 130	169
1928	Total reflection X-ray fluorescence based quantification of gold nanoparticles in cancer cells. 2018 , 33, 395-403	6
1927	Light-Activatable Red Blood Cell Membrane-Camouflaged Dimeric Prodrug Nanoparticles for Synergistic Photodynamic/Chemotherapy. 2018 , 12, 1630-1641	216
1926	Dual Drug Backboned Shattering Polymeric Theranostic Nanomedicine for Synergistic Eradication of Patient-Derived Lung Cancer. 2018 , 30, 1706220	95
1925	Quantitative SPECT imaging and biodistribution point to molecular weight independent tumor uptake for some long-circulating polymer nanocarriers.. 2018 , 8, 5586-5595	6
1924	Nanomedicine: An effective tool in cancer therapy. 2018 , 540, 132-149	143

1923	Colorectal cancer lung metastasis treatment with polymer-drug nanoparticles. 2018 , 275, 85-91	37
1922	Degradation Behavior of Silk Nanoparticles-Enzyme Responsiveness. 2018 , 4, 942-951	44
1921	Biomimetic peptide display from a polymeric nanoparticle surface for targeting and antitumor activity to human triple-negative breast cancer cells. 2018 , 106, 1753-1764	14
1920	Chemical Design of Both a Glutathione-Sensitive Dimeric Drug Guest and a Glucose-Derived Nanocarrier Host to Achieve Enhanced Osteosarcoma Lung Metastatic Anticancer Selectivity. 2018 , 140, 1438-1446	78
1919	The Effect of Size and Shape of RNA Nanoparticles on Biodistribution. 2018 , 26, 784-792	54
1918	Nanotechnology Strategies To Advance Outcomes in Clinical Cancer Care. 2018 , 12, 24-43	142
1917	Synthesis and Evaluation of Doxorubicin-Loaded Gold Nanoparticles for Tumor-Targeted Drug Delivery. 2018 , 29, 420-430	60
1916	Impact of nanosilver on gut microbiota: a vulnerable link. 2018 , 13, 483-492	15
1915	Nanomotor-Based Strategy for Enhanced Penetration across Vasculature Model. 2018 , 28, 1706117	40
1914	Nanocage-Therapeutics Prevailing Phagocytosis and Immunogenic Cell Death Awakens Immunity against Cancer. 2018 , 30, 1705581	44
1913	Polysaccharide-Based Controlled Release Systems for Therapeutics Delivery and Tissue Engineering: From Bench to Bedside. 2018 , 5, 1700513	137
1912	The emerging role of nanomaterials in immunological sensing - a brief review. 2018 , 98, 28-35	7
1911	Directing Nanoparticle Biodistribution through Evasion and Exploitation of Stab2-Dependent Nanoparticle Uptake. 2018 , 12, 2138-2150	115
1910	Modulating interactions between ligand-coated nanoparticles and phase-separated lipid bilayers by varying the ligand density and the surface charge. 2018 , 10, 2481-2491	33
1909	Nanoparticle anchoring targets immune agonists to tumors enabling anti-cancer immunity without systemic toxicity. 2018 , 9, 6	124
1908	Gold nanourchins and celastrol reorganize the nucleo- and cytoskeleton of glioblastoma cells. 2018 , 10, 1716-1726	14
1907	Targeting tumor microenvironment to curb chemoresistance via novel drug delivery strategies. 2018 , 15, 641-663	5
1906	Multifunctional Micelles Dually Responsive to Hypoxia and Singlet Oxygen: Enhanced Photodynamic Therapy via Interactively Triggered Photosensitizer Delivery. 2018 , 10, 17117-17128	59

1905	Gold nanoparticles stabilize peptide-drug-conjugates for sustained targeted drug delivery to cancer cells. 2018 , 16, 34	64
1904	Neutrophil-Based Drug Delivery Systems. 2018 , 30, e1706245	126
1903	Enzyme-Instructed Self-assembly of Small Peptides In Vivo for Biomedical Application. 2018 , 89-114	1
1902	Multi-modal characterization of vasculature and nanoparticle accumulation in five tumor xenograft models. 2018 , 279, 292-305	27
1901	Translating Current Bioanalytical Techniques for Studying Corona Activity. 2018 , 36, 661-672	8
1900	A tumor-targeted Ganetespib-zinc phthalocyanine conjugate for synergistic chemo-photodynamic therapy. 2018 , 151, 294-303	25
1899	The Effect of Molecular Structure on Cytotoxicity and Antitumor Activity of PEGylated Nanomedicines. 2018 , 19, 1625-1634	15
1898	Low-dose X-ray radiotherapy-radiodynamic therapy via nanoscale metal-organic frameworks enhances checkpoint blockade immunotherapy. 2018 , 2, 600-610	292
1897	Quantification of ligand density and stoichiometry on the surface of liposomes using single-molecule fluorescence imaging. 2018 , 278, 80-86	18
1896	Manipulating nanoparticle transport within blood flow through external forces: an exemplar of mechanics in nanomedicine. 2018 , 474, 20170845	44
1895	Preoperative Examination and Intraoperative Identification of Hepatocellular Carcinoma Using a Targeted Bimodal Imaging Probe. 2018 , 29, 1475-1484	18
1894	Beyond Traditional Hyperthermia: In Vivo Cancer Treatment with Magnetic-Responsive Mesoporous Silica Nanocarriers. 2018 , 10, 12518-12525	80
1893	Priming the body to receive the therapeutic agent to redefine treatment benefit/risk profile. 2018 , 8, 4797	13
1892	Lipoproteins for therapeutic delivery: recent advances and future opportunities. 2018 , 9, 257-268	17
1891	Magnetic Particle Imaging-Guided Heating in Vivo Using Gradient Fields for Arbitrary Localization of Magnetic Hyperthermia Therapy. 2018 , 12, 3699-3713	204
1890	Biogenic and Biomimetic Carriers as Versatile Transporters To Treat Infections. 2018 , 4, 881-892	27
1889	Natural ionophore functionalized nanobiosensor capable of staining Cr ³⁺ in live brine shrimp <i>Artemia</i> . 2018 , 266, 337-343	4
1888	Bloodstream Stability Predetermines the Antitumor Efficacy of Micellar Polymer-Doxorubicin Drug Conjugates with pH-Triggered Drug Release. 2018 , 15, 3654-3663	15

1887	Debugging Nano-Bio Interfaces: Systematic Strategies to Accelerate Clinical Translation of Nanotechnologies. 2018 , 36, 755-769	120
1886	DNA Thioaptamer with Homing Specificity to Lymphoma Bone Marrow Involvement. 2018 , 15, 1814-1825	11
1885	Nanomedicine: is it lost in translation?. 2018 , 9, 269-285	38
1884	Bridging the Knowledge of Different Worlds to Understand the Big Picture of Cancer Nanomedicines. 2018 , 7, 1700432	21
1883	Development and functionalization of magnetic nanoparticles as powerful and green catalysts for organic synthesis. 2018 , 7, 55-67	57
1882	Galectin-1-based tumour-targeting for gold nanostructure-mediated photothermal therapy. 2018 , 34, 19-29	14
1881	Imaging Biomaterial-Tissue Interactions. 2018 , 36, 403-414	27
1880	Overcoming obstacles in the tumor microenvironment: Recent advancements in nanoparticle delivery for cancer theranostics. 2018 , 156, 217-237	216
1879	Iterative Photoinduced Chain Functionalization as a Generic Platform for Advanced Polymeric Drug Delivery Systems. 2018 , 39, 1700502	5
1878	Impact of Anti-Biofouling Surface Coatings on the Properties of Nanomaterials and Their Biomedical Applications. 2018 , 6, 9-24	43
1877	Polyester micelles for drug delivery and cancer theranostics: Current achievements, progresses and future perspectives. 2018 , 83, 218-232	48
1876	Anomalous Vascular Dynamics of Nanoworms within Blood Flow. 2018 , 4, 66-77	14
1875	Mesoporous Silica and Organosilica Nanoparticles: Physical Chemistry, Biosafety, Delivery Strategies, and Biomedical Applications. 2018 , 7, 1700831	306
1874	Graphene oxide cellular patches for mesenchymal stem cell-based cancer therapy. 2018 , 129, 863-868	17
1873	Bioprosthesis of CoreShell Gold Nanorod/Serum Albumin Nanoimitation: A Half-Native and Half-Artificial Nanohybrid for Cancer Theranostics. 2018 , 30, 729-747	15
1872	Recent Advances in Managing Atherosclerosis via Nanomedicine. 2018 , 14, 1702793	60
1871	Ultrasound-mediated cavitation-enhanced extravasation of mesoporous silica nanoparticles for controlled-release drug delivery. 2018 , 340, 2-8	60
1870	Multifunctional Protocells for Enhanced Penetration in 3D Extracellular Tumoral Matrices. 2018 , 30, 112-120	38

1869	Synthetically lethal nanoparticles for treatment of endometrial cancer. 2018 , 13, 72-81	35
1868	Ultrafast charge-conversional nanocarrier for tumor-acidity-activated targeted drug delivery. 2018 , 6, 350-355	14
1867	Tumor acidity activating multifunctional nanoplatform for NIR-mediated multiple enhanced photodynamic and photothermal tumor therapy. 2018 , 157, 107-124	155
1866	Breaking free from vascular confinement: status and prospects for submicron ultrasound contrast agents. 2018 , 10, e1502	20
1865	Self-Assembled Hybrid Nanostructures: Versatile Multifunctional Nanoplatforms for Cancer Diagnosis and Therapy. 2018 , 30, 25-53	65
1864	Quantification of Nanomaterial/Nanomedicine Trafficking in Vivo. 2018 , 90, 589-614	60
1863	Magnetic field remotely controlled selective biocatalysis. 2018 , 1, 73-81	62
1862	One-pot synthesis of pH-responsive charge-switchable PEGylated nanoscale coordination polymers for improved cancer therapy. 2018 , 156, 121-133	59
1861	The role of hydrophobic modification on hyaluronic acid dynamics and self-assembly. 2018 , 182, 132-141	37
1860	On the use of liposome controls in studies investigating the clinical potential of extracellular vesicle-based drug delivery systems - A commentary. 2018 , 269, 10-14	46
1859	Amphiphilic poly(D-glutamate) polymeric micelles for systemic administration of siRNA to tumors. 2018 , 14, 303-315	12
1858	MRI visualization of neuroinflammation using VCAM-1 targeted paramagnetic micelles. 2018 , 14, 2341-2350	10
1857	Particle Targeting in Complex Biological Media. 2018 , 7, 1700575	62
1856	Strong and stiff Ag nanowire-chitosan composite films reinforced by Ag β covalent bonds. 2018 , 11, 410-419	22
1855	Single-chain polymeric nanoparticles: Toward in vivo imaging and catalysis in complex media. 2018 , 563-583	
1854	Gas-Generating Nanoplatforms: Material Chemistry, Multifunctionality, and Gas Therapy. 2018 , 30, e1801964	138
1853	High efficient delivery of siRNA into tumor cells by positively charged carbon dots. 2018 , 55, 770-774	0
1852	Light-sheet microscopy as a tool to understanding the behaviour of Polyion complex micelles for drug delivery. 2018 , 54, 12618-12621	19

1851	How to unravel the chemical structure and component localization of individual drug-loaded polymeric nanoparticles by using tapping AFM-IR. 2018 , 143, 5940-5949	36
1850	A needle-like optofluidic probe enables targeted intracellular delivery by confining light-nanoparticle interaction on single cell. 2018 , 10, 21871-21878	3
1849	Brain Theranostics and Radiotheranostics: Exosomes and Graphenes In Vivo as Novel Brain Theranostics. 2018 , 52, 407-419	4
1848	Quinic Acid-Conjugated Nanoparticles Enhance Drug Delivery to Solid Tumors via Interactions with Endothelial Selectins. 2018 , 14, e1803601	19
1847	Enhancing the Accumulation of Polymer Micelles by Selectively Dilating Tumor Blood Vessels with NO for Highly Effective Cancer Treatment. 2018 , 7, e1801094	21
1846	Optical and Thermophoretic Control of Janus Nanoparticle Injection into Living Cells. 2018 , 18, 7935-7941	35
1845	Long circulating liposomes: challenges and opportunities. 2018 , 9, 857-872	24
1844	Sonopermeation to improve drug delivery to tumors: from fundamental understanding to clinical translation. 2018 , 15, 1249-1261	54
1843	Challenges and Opportunities of Nanotechnology as Delivery Platform for Tocotrienols in Cancer Therapy. 2018 , 9, 1358	19
1842	Theranostic Nanosystems for Targeted Cancer Therapy. 2018 , 23, 59-72	58
1841	Improving Drug Delivery of Micellar Paclitaxel against Non-Small Cell Lung Cancer by Co-loading Itraconazole as a Micelle Stabilizer and a Tumor Vascular Manipulator. 2018 , 14, e1802112	15
1840	Cancer Theranostic Applications of Albumin-Coated Tobacco Mosaic Virus Nanoparticles. 2018 , 10, 39468-39478	28
1839	Integrin $\alpha_3\beta_1$ -Targeted [Cu]CuS Nanoparticles for PET/CT Imaging and Photothermal Ablation Therapy. 2018 , 29, 4062-4071	20
1838	How to design preclinical studies in nanomedicine and cell therapy to maximize the prospects of clinical translation. 2018 , 2, 797-809	67
1837	HSA-Coated Magnetic Nanoparticles for MRI-Guided Photodynamic Cancer Therapy. 2018 , 10,	10
1836	Enhanced nanoparticle delivery exploiting tumour-responsive formulations. 2018 , 9, 10	19
1835	Antibody conjugated nanoparticles as a novel form of antibody drug conjugate chemotherapy. 2018 , 30, 63-69	35
1834	Engineering Controlled Peritumoral Inflammation to Constrain Brain Tumor Growth. 2019 , 8, e1801076	2

1833	Nanomedicine for cutaneous tumors - lessons since the successful treatment of the Kaposi sarcoma. 2018 , 13, 2957-2959	5
1832	A numerical investigation of drug extravasation using a tumour vasculature microfluidic device. 2018 , 22, 1	4
1831	Quantitative Imaging of Tumor-Associated Macrophages and Their Response to Therapy Using Cu-Labeled Macrin. 2018 , 12, 12015-12029	83
1830	In vitro and in vivo accumulation of magnetic nanoporous silica nanoparticles on implant materials with different magnetic properties. 2018 , 16, 96	10
1829	Molecular imaging with nanoparticles: the dwarf actors revisited 10 years later. 2018 , 150, 733-794	8
1828	Nanomaterial Manipulation of Immune Microenvironment in the Diseased Liver. 2018 , 29, 1805760	6
1827	Precise nanomedicine for intelligent therapy of cancer. 2018 , 61, 1503-1552	256
1826	Phytosomes: emergent promising nano vesicular drug delivery system for targeted tumor therapy. 2018 , 9, 033001	10
1825	Polyethylenimine-Spherical Nucleic Acid Nanoparticles against Gli1 Reduce the Chemoresistance and Stemness of Glioblastoma Cells. 2018 , 15, 5135-5145	17
1824	New opportunities for nanoparticles in cancer immunotherapy. 2018 , 22, 24	77
1823	Protein Corona Formation on Magnetic Nanoparticles Conjugated with Luminescent Europium Complexes. 2018 , 4, 1202-1208	6
1822	Peptide-decorated polymeric nanomedicines for precision cancer therapy. 2018 , 290, 11-27	46
1821	In vivo hepatocellular expression of interleukin-22 using penetratin-based hybrid nanoparticles as potential anti-hepatitis therapeutics. 2018 , 187, 66-80	17
1820	Influence of self-assembly on the performance of antimicrobial peptides. 2018 , 38, 56-79	24
1819	Near-Infrared Laser-Driven in Situ Self-Assembly as a General Strategy for Deep Tumor Therapy. 2018 , 18, 6577-6584	44
1818	Biodistribution and Tumors MRI Contrast Enhancement of Magnetic Nanocubes, Nanoclusters, and Nanorods in Multiple Mice Models. 2018 , 2018, 8264208	8
1817	Tat-functionalized Ag-FeO nano-composites as tissue-penetrating vehicles for tumor magnetic targeting and drug delivery. 2018 , 8, 956-968	26
1816	Protein-modified conjugated polymer nanoparticles with strong near-infrared absorption: a novel nanoplatform to design multifunctional nanoprobos for dual-modal photoacoustic and fluorescence imaging. 2018 , 10, 19742-19748	11

1815	Ultrasmall targeted nanoparticles with engineered antibody fragments for imaging detection of HER2-overexpressing breast cancer. 2018 , 9, 4141	90
1814	Assessing Detection Limits in Magnetic Nanoparticle Enhanced Microwave Imaging. 2018 , 6, 43192-43202	10
1813	The impact of protein corona on the behavior and targeting capability of nanoparticle-based delivery system. 2018 , 552, 328-339	115
1812	Local generation of hydrogen for enhanced photothermal therapy. 2018 , 9, 4241	150
1811	Establishing the effects of mesoporous silica nanoparticle properties on in vivo disposition using imaging-based pharmacokinetics. 2018 , 9, 4551	126
1810	Gold Nanorods for Light-Based Lung Cancer Theranostics. 2018 , 19,	22
1809	Supramolecularly Engineered NIR-II and Upconversion Nanoparticles In Vivo Assembly and Disassembly to Improve Bioimaging. 2018 , 30, e1804982	105
1808	ExoAPP: Exosome-Oriented, Aptamer Nanoprobe-Enabled Surface Proteins Profiling and Detection. 2018 , 90, 14402-14411	111
1807	A journey from the endothelium to the tumor tissue: distinct behavior between PEO-PCL micelles and polymersomes nanocarriers. 2018 , 25, 1766-1778	12
1806	Tumor-Acidity-Cleavable Maleic Acid Amide (TACMAA): A Powerful Tool for Designing Smart Nanoparticles To Overcome Delivery Barriers in Cancer Nanomedicine. 2018 , 51, 2848-2856	139
1805	Nanomedicines for Malaria Chemotherapy: Encapsulation vs. Polymer Therapeutics. 2018 , 35, 237	12
1804	Nanoparticle Ligand-Decoration Procedures Affect in Vivo Interactions with Immune Cells. 2018 , 15, 5754-5761	13
1803	Cloaking nanoparticles with protein corona shield for targeted drug delivery. 2018 , 9, 4548	184
1802	A Novel Macrophage-Based Microrobot Bearing Multiple Smart Nanotherapeutics for Targeting and Drug Delivery to Solid Tumors* This research was supported by the Bio & Medical Technology Development Program of the National Research Foundation (NRF) funded by the Korean government (MSIT) 2016M3A9E9941514. 2018 ,	1
1801	De Novo Design of Phototheranostic Sensitizers Based on Structure-Inherent Targeting for Enhanced Cancer Ablation. 2018 , 140, 15820-15826	113
1800	Anticancer Drug Delivery Capability of Biodegradable PMO in the Chicken Egg Tumor Model. 2018 , 44, 103-116	2
1799	Controlled Release With Emphasis on Ultrasound-Induced Release. 2018 , 43, 101-122	8
1798	Photodynamic Therapy Based on Nanoscale Metal-Organic Frameworks: From Material Design to Cancer Nanotherapeutics. 2018 , 13, 3122-3149	55

1797	Immunomodulating Nanomedicine for Cancer Therapy. 2018 , 18, 6655-6659	82
1796	Antimicrobial peptide modification enhances the gene delivery and bactericidal efficiency of gold nanoparticles for accelerating diabetic wound healing. 2018 , 6, 2757-2772	65
1795	Theranostic Colloidal Nanoparticles of Pyrrolopyrrole Cyanine Derivatives for Simultaneous Near-Infrared Fluorescence Cancer Imaging and Photothermal Therapy.. 2018 , 1, 1109-1117	7
1794	Minimum information reporting in bio-nano experimental literature. 2018 , 13, 777-785	297
1793	Functional Peptide Nanofibers with Unique Tumor Targeting and Enzyme-Induced Local Retention Properties. 2018 , 28, 1803969	23
1792	Effects of Protein Corona on Active and Passive Targeting of Cyclic RGD Peptide-Functionalized PEGylation Nanoparticles. 2018 , 15, 5019-5030	46
1791	Extravasation of Brownian Spheroidal Nanoparticles through Vascular Pores. 2018 , 115, 1103-1115	13
1790	Improved anticancer efficacy of doxorubicin mediated by human-derived cell-penetrating peptide dNP2. 2018 , 551, 14-22	14
1789	Converting organosulfur compounds to inorganic polysulfides against resistant bacterial infections. 2018 , 9, 3713	85
1788	Bio-nano: Theranostic at Cellular Level. 2018 , 85-170	1
1787	Stepwise co-delivery of an enzyme and prodrug based on a multi-responsive nanoplatfrom for accurate tumor therapy. 2018 , 6, 6262-6268	15
1786	Cell-based drug delivery systems for biomedical applications. 2018 , 11, 5240-5257	35
1785	A Supramolecular Approach to Nanoscale Motion: Polymersome-Based Self-Propelled Nanomotors. 2018 , 51, 1891-1900	43
1784	Tumor hypoxia directed multimodal nanotherapy for overcoming drug resistance in renal cell carcinoma and reprogramming macrophages. 2018 , 183, 280-294	38
1783	Phthalocyanine-based photosensitizer with tumor-pH-responsive properties for cancer theranostics. 2018 , 6, 6080-6088	13
1782	Lipid nanoemulsion passive tumor accumulation dependence on tumor stage and anatomical location: a new mathematical model for in vivo imaging biodistribution studies. 2018 , 6, 7306-7316	5
1781	From design to the clinic: practical guidelines for translating cardiovascular nanomedicine. 2018 , 114, 1714-1727	39
1780	Selective CXCR4 Cancer Cell Targeting and Potent Antineoplastic Effect by a Nanostructured Version of Recombinant Ricin. 2018 , 14, e1800665	32

1779	Self-Assembly of Extracellular Vesicle-like Metal-Organic Framework Nanoparticles for Protection and Intracellular Delivery of Biofunctional Proteins. 2018 , 140, 7282-7291	169
1778	In-labelled polymeric nanoparticles incorporating a ruthenium-based radiosensitizer for EGFR-targeted combination therapy in oesophageal cancer cells. 2018 , 10, 10596-10608	35
1777	Tumor-on-a-chip platforms for assessing nanoparticle-based cancer therapy. 2018 , 29, 332001	12
1776	Drug delivery challenges and future of chemotherapeutic nanomedicine for glioblastoma treatment. 2018 , 281, 42-57	91
1775	Striking a Balance between Carbonate/Carbamate Linkage Bond- and Reduction-Sensitive Disulfide Bond-Bearing Linker for Tailored Controlled Release: In Situ Covalent-Albumin-Binding Gemcitabine Prodrugs Promote Bioavailability and Tumor Accumulation. 2018 , 61, 4904-4917	19
1774	TLR7/8-agonist-loaded nanoparticles promote the polarization of tumour-associated macrophages to enhance cancer immunotherapy. 2018 , 2, 578-588	435
1773	How can nanotechnology help the fight against breast cancer?. 2018 , 10, 11719-11731	33
1772	Photo-excitable hybrid nanocomposites for image-guided photo/TRAIL synergistic cancer therapy. 2018 , 176, 60-70	27
1771	Bacteria-Driven Hypoxia Targeting for Combined Biotherapy and Photothermal Therapy. 2018 , 12, 5995-6005	146
1770	Mechanotargeting: Mechanics-Dependent Cellular Uptake of Nanoparticles. 2018 , 30, e1707464	25
1769	Reduction-sensitive polymeric nanomedicines: An emerging multifunctional platform for targeted cancer therapy. 2018 , 132, 16-32	67
1768	Advances in targeted nanotherapeutics: From bioconjugation to biomimicry. 2018 , 11, 4999-5016	38
1767	Multifunctional Tumor-Targeting Cathepsin B-Sensitive Gemcitabine Prodrug Covalently Targets Albumin in Situ and Improves Cancer Therapy. 2018 , 29, 1852-1858	11
1766	Glycogen-nucleic acid constructs for gene silencing in multicellular tumor spheroids. 2018 , 176, 34-49	21
1765	Understanding the Connection between Nanoparticle Uptake and Cancer Treatment Efficacy using Mathematical Modeling. 2018 , 8, 7538	39
1764	Selol nanocapsules with a poly(methyl vinyl ether-co-maleic anhydride) shell conjugated to doxorubicin for combinatorial chemotherapy against murine breast adenocarcinoma in vivo. 2018 , 46, 1046-1052	11
1763	Novel theranostic nanoplatform for complete mice tumor elimination via MR imaging-guided acid-enhanced photothermo-/chemo-therapy. 2018 , 177, 40-51	59
1762	Poly(2-oxazoline)s based biomaterials: A comprehensive and critical update. 2018 , 178, 204-280	170

1761	Novel SERS labels: Rational design, functional integration and biomedical applications. 2018 , 371, 11-37	79
1760	Polyphenol-Poloxamer Self-Assembled Supramolecular Nanoparticles for Tumor NIRF/PET Imaging. 2018 , 7, e1701505	40
1759	Fluorescence Detection of Bone Microcracks Using Monophosphonated Carbon Dots. 2018 , 10, 19408-19415	22
1758	Hyperbaric Oxygen Potentiates Doxil Antitumor Efficacy by Promoting Tumor Penetration and Sensitizing Cancer Cells. 2018 , 5, 1700859	26
1757	Quantitative characterization of targeted nanoparticulate formulations for prediction of clinical efficacy. 2018 , 397-440	
1756	Factors relating to the biodistribution & clearance of nanoparticles & their effects on in vivo application. 2018 , 13, 1495-1512	84
1755	Interactions of Nanomaterials with Biological Systems. 2018 , 137-199	
1754	Hierarchically stimuli-responsive nanovectors for improved tumor penetration and programmed tumor therapy. 2018 , 10, 13737-13750	24
1753	Multifunctional Electrospun Nanofibers for Enhancing Localized Cancer Treatment. 2018 , 14, e1801183	27
1752	Entrapping multifunctional dendritic nanoparticles into a hydrogel for local therapeutic delivery and synergetic immunochemotherapy. 2018 , 11, 6062-6073	32
1751	Block Copolymer Micelles in Nanomedicine Applications. 2018 , 118, 6844-6892	608
1750	Nanoscale Metal-Organic Frameworks for Therapeutic, Imaging, and Sensing Applications. 2018 , 30, e1707634	353
1749	Vascular Interventional Radiology-Guided Photothermal Therapy of Colorectal Cancer Liver Metastasis with Theranostic Gold Nanorods. 2018 , 12, 6597-6611	82
1748	Unintended effects of drug carriers: Big issues of small particles. 2018 , 130, 90-112	35
1747	Spherical Nucleic Acid Nanoparticles: Therapeutic Potential. 2018 , 32, 297-309	52
1746	Stimuli-Responsive Prodrug Chemistries for Drug Delivery. 2018 , 1, 1800030	34
1745	Advanced Optical Microscopy Techniques for the Investigation of Cell-Nanoparticle Interactions. 2018 , 219-236	3
1744	Tumor-adapting and tumor-remodeling AuNR@dendrimer-assembly nanohybrids overcome impermeable multidrug-resistant cancer. 2018 , 5, 1047-1057	26

1743	Construction of Bacteria-Based Cargo Carriers for Targeted Cancer Therapy. 2018 , 1831, 25-35	3
1742	A rational and iterative process for targeted nanoparticle design and validation. 2018 , 171, 579-589	3
1741	Low-power and low-drug-dose photodynamic chemotherapy via the breakdown of tumor-targeted micelles by reactive oxygen species. 2018 , 286, 240-253	14
1740	Cancer cell nucleus-targeting nanocomposites for advanced tumor therapeutics. 2018 , 47, 6930-6946	118
1739	Solid lipid nanocarriers in drug delivery: characterization and design. 2018 , 15, 771-785	44
1738	Intrinsically Fluorescent, Stealth Polypyrazoline Nanoparticles with Large Stokes Shift for In Vivo Imaging. 2018 , 14, e1801571	18
1737	Enhanced Permeability and Retention-like Extravasation of Nanoparticles from the Vasculature into Tuberculosis Granulomas in Zebrafish and Mouse Models. 2018 , 12, 8646-8661	60
1736	Pharmapolymers in the 21st century: Synthetic polymers in drug delivery applications. 2018 , 87, 107-164	107
1735	Cancer nanomedicine: mechanisms, obstacles and strategies. 2018 , 13, 1639-1656	27
1734	Applications of Plasmonic Nanomaterials for Phototriggered Theranostics. 2018 , 125-142	
1733	Sprayable Adhesive Nanotherapeutics: Mussel-Protein-Based Nanoparticles for Highly Efficient Locoregional Cancer Therapy. 2018 , 12, 8909-8919	26
1732	Toward Biomaterials for Enhancing Immune Checkpoint Blockade Therapy. 2018 , 28, 1802540	69
1731	Smart nanoconstructs for theranostics in cancer and cardiovascular diseases. 2018 , 297-321	0
1730	Core-shell poly-methyl methacrylate nanoparticles covalently functionalized with a non-symmetric porphyrin for anticancer photodynamic therapy. 2018 , 186, 169-177	13
1729	Magnetite-Gold nanohybrids as ideal all-in-one platforms for theranostics. 2018 , 8, 11295	54
1728	Bismuth-Based Nano- and Microparticles in X-Ray Contrast, Radiation Therapy, and Radiation Shielding Applications. 2018 ,	6
1727	PEGylated Stealth Nanoparticles and liposomes. 2018 , 1-26	10
1726	Synthesis of Biomaterials Utilizing Microfluidic Technology. 2018 , 9,	32

1725	Image-Guided Cancer Nanomedicine. 2018 , 4,	19
1724	Generation of Well-Defined Micro/Nanoparticles via Advanced Manufacturing Techniques for Therapeutic Delivery. 2018 , 11,	13
1723	Poly(carbonate urethane)-Based Thermogels with Enhanced Drug Release Efficacy for Chemotherapeutic Applications. 2018 , 10,	23
1722	Drug-Induced Morphology Transition of Self-Assembled Glycopolymers: Insight into the DrugPolymer Interaction. 2018 , 30, 5227-5236	31
1721	Engineered nanomaterials and human health: Part 2. Applications and nanotoxicology (IUPAC Technical Report). 2018 , 90, 1325-1356	17
1720	A versatile drug delivery system targeting senescent cells. 2018 , 10,	108
1719	Stability and Mobility of Magnetic Nanoparticles in Biological Environments Determined from Dynamic Magnetic Susceptibility Measurements. 2018 , 29, 2793-2805	5
1718	A Bioenvironment-Responsive Versatile Nanoplatfom Enabling Rapid Clearance and Effective Tumor Homing for Oxygen-Enhanced Radiotherapy. 2018 , 30, 5412-5421	12
1717	Quantifying the Ligand-Coated Nanoparticle Delivery to Cancer Cells in Solid Tumors. 2018 , 12, 8423-8435	287
1716	Biomimetic Membranes as a Technology Platform: Challenges and Opportunities. 2018 , 8,	15
1715	Polymeric Micelle of AB-Type Lactosome as a Vehicle for Targeting Meningeal Dissemination. 2018 , 8,	4
1714	Erythrocyte-Derived Optical Nanoprobes Doped with Indocyanine Green-Bound Albumin: Material Characteristics and Evaluation for Cancer Cell Imaging. 2018 , 4, 3055-3062	6
1713	Self-immolative micellar drug delivery: The linker matters. 2018 , 11, 6177-6189	17
1712	Sputtering-Enabled Intracellular X-ray Photoelectron Spectroscopy: A Versatile Method To Analyze the Biological Fate of Metal Nanoparticles. 2018 , 12, 7731-7740	12
1711	Bioengineered Ferritin Nanoprobes for Cancer Theranostics. 2018 , 143-175	3
1710	Nanotheranostics and Their Potential in the Management of Metastatic Cancer. 2018 , 199-244	2
1709	Controlled-temperature photothermal and oxidative bacteria killing and acceleration of wound healing by polydopamine-assisted Au-hydroxyapatite nanorods. 2018 , 77, 352-364	111
1708	Tumor targeting via EPR: Strategies to enhance patient responses. 2018 , 130, 17-38	618

1707	Hydrogen sulfide induced supramolecular self-assembly in living cells. 2018 , 54, 9051-9054	11
1706	Near Infrared Light Triggered Cucurbit[7]uril-Stabilized Gold Nanostars as a Supramolecular NanoplatforM for Combination Treatment of Cancer. 2018 , 29, 2855-2866	24
1705	Engineering a Rugged Nanoscaffold To Enhance Plug-and-Display Vaccination. 2018 , 12, 8855-8866	80
1704	Efficient co-delivery of neo-epitopes using dispersion-stable layered double hydroxide nanoparticles for enhanced melanoma immunotherapy. 2018 , 174, 54-66	55
1703	Flat Cell Culturing Surface May Cause Misinterpretation of Cellular Uptake of Nanoparticles. 2018 , 2, 1800046	5
1702	Walking the line: The fate of nanomaterials at biological barriers. 2018 , 174, 41-53	93
1701	Microfluidic engineering of exosomes: editing cellular messages for precision therapeutics. 2018 , 18, 1690-1703	55
1700	Efficient siRNA delivery with non-cationic carriers. 2018 , 2, 275-276	16
1699	Integration of phospholipid-hyaluronic acid-methotrexate nanocarrier assembly and amphiphilic drug-drug conjugate for synergistic targeted delivery and combinational tumor therapy. 2018 , 6, 1818-1833	22
1698	New Avenues for Nanoparticle-Related Therapies. 2018 , 13, 136	9
1697	Smart polymersomes and hydrogels from polypeptide-based polymer systems through amino acid N-carboxyanhydride ring-opening polymerization. From chemistry to biomedical applications. 2018 , 83, 28-78	53
1696	Dense and Dynamic Polyethylene Glycol Shells Cloak Nanoparticles from Uptake by Liver Endothelial Cells for Long Blood Circulation. 2018 , 12, 10130-10141	90
1695	An Intravascular Magnetic Catheter Enables the Retrieval of Nanoagents from the Bloodstream. 2018 , 5, 1800807	26
1694	Ultrasound contrast agent microbubbles with ultrahigh loading capacity of camptothecin and floxuridine for enhancing tumor accumulation and combined chemotherapeutic efficacy. 2018 , 10, 761-774	23
1693	Peptide-Gold Nanoparticle Hybrids as Promising Anti-Inflammatory Nanotherapeutics for Acute Lung Injury: In Vivo Efficacy, Biodistribution, and Clearance. 2018 , 7, e1800510	21
1692	Nanoengineering of Poly(ethylene glycol) Particles for Stealth and Targeting. 2018 , 34, 10817-10827	40
1691	Synthesis and Biomedical Applications of Multifunctional Nanoparticles. 2018 , 30, e1802309	154
1690	Light-Triggered Biomimetic Nanoerythrocyte for Tumor-Targeted Lung Metastatic Combination Therapy of Malignant Melanoma. 2018 , 14, e1801754	58

1689	A novel plectin/integrin-targeted bispecific molecular probe for magnetic resonance/near-infrared imaging of pancreatic cancer. 2018 , 183, 173-184	24
1688	Exploring Factors for the Design of Nanoparticles as Drug Delivery Vectors. 2018 , 19, 2810-2828	7
1687	Psidium guajava leaf extract-mediated synthesis of ZnO nanoparticles under different processing parameters for hydrophobic and antibacterial finishing over cotton fabrics. 2018 , 124, 80-91	36
1686	Thrombin-Responsive, Brain-Targeting Nanoparticles for Improved Stroke Therapy. 2018 , 12, 8723-8732	59
1685	Biodegradable nanoparticles bearing amine groups as a strategy to alter surface features, biological identity and accumulation in a lung metastasis model. 2018 , 6, 5922-5930	2
1684	Effect of the development of a cell barrier on nanoparticle uptake in endothelial cells. 2018 , 10, 16645-16656	9
1683	Nanostructures for imaging, medical diagnostics and therapy. 2018 , 1-28	3
1682	Beyond Phototherapy: Recent Advances in Multifunctional Fluorescent Nanoparticles for Light-Triggered Tumor Theranostics. 2018 , 28, 1803733	42
1681	Peptide Mediated In Vivo Tumor Targeting of Nanoparticles through Optimization in Single and Multilayer In Vitro Cell Models. 2018 , 10,	18
1680	Coercivity Determines Magnetic Particle Heating. 2018 , 7, e1800287	11
1679	Molecular Self-Assembly Constructed in Physiological Conditions for Cancer Diagnosis and Therapy. 2018 , 1, 1800067	5
1678	All-active antitumor micelles via triggered lipid peroxidation. 2018 , 286, 381-393	19
1677	Wide field of view, real time bioimaging apparatus for noninvasive analysis of nanocarrier pharmacokinetics in living model animals. 2018 , 89, 085105	2
1676	Self-Healing pH- and Enzyme Stimuli-Responsive Hydrogels for Targeted Delivery of Gemcitabine To Treat Pancreatic Cancer. 2018 , 19, 3840-3852	35
1675	Tumor heterogeneity and nanoparticle-mediated tumor targeting: the importance of delivery system personalization. 2018 , 8, 1508-1526	15
1674	Gold Nanoparticles for Imaging and Cancer Therapy. 2018 , 1-50	
1673	Chick chorioallantoic membrane assay as an in vivo model to study the effect of nanoparticle-based anticancer drugs in ovarian cancer. 2018 , 8, 8524	65
1672	A Novel Histochemical Staining Approach for Rare-Earth-Based Nanoproboscopes. 2018 , 1, 1800005	7

1671	Photo-triggered release of 5-fluorouracil from a MOF drug delivery vehicle. 2018 , 54, 7617-7620	58
1670	Temporary suppression the sequestrated function of host macrophages for better nanoparticles tumor delivery. 2018 , 25, 1289-1301	8
1669	Core-Satellite Mesoporous Silica-Gold Nanotheranostics for Biological Stimuli Triggered Multimodal Cancer Therapy. 2018 , 28, 1801961	68
1668	Magnetic Nanoparticles for Cancer Therapy and Bioimaging. 2018 , 239-279	7
1667	On-Demand Drug Release from Gold Nanoturf for a Thermo- and Chemotherapeutic Esophageal Stent. 2018 , 12, 6756-6766	26
1666	Image-Based Tracking of Anticancer Drug-Loaded Nanoengineered Polyelectrolyte Capsules in Cellular Environments Using a Fast Benchtop Mid-Infrared (MIR) Microscope. 2018 , 3, 6143-6150	2
1665	Morphology-Controlled Synthesis of Rhodium Nanoparticles for Cancer Phototherapy. 2018 , 12, 6997-7008	35
1664	Biotin-Tagged Polysaccharide Vesicular Nanocarriers for Receptor-Mediated Anticancer Drug Delivery in Cancer Cells. 2018 , 19, 3572-3585	28
1663	Ultrasound-mediated delivery and distribution of polymeric nanoparticles in the normal brain parenchyma of a metastatic brain tumour model. 2018 , 13, e0191102	26
1662	Focus on Fundamentals: Achieving Effective Nanoparticle Targeting. 2018 , 24, 598-606	45
1661	Importance of Encapsulation Stability of Nanocarriers with High Drug Loading Capacity for Increasing in Vivo Therapeutic Efficacy. 2018 , 19, 3030-3039	9
1660	Combinatorial Nano-Bio Interfaces. 2018 , 12, 5078-5084	59
1659	MicroRNA-Directed Intracellular Self-Assembly of Chiral Nanorod Dimers. 2018 , 130, 10704-10708	20
1658	MicroRNA-Directed Intracellular Self-Assembly of Chiral Nanorod Dimers. 2018 , 57, 10544-10548	93
1657	Preservation of the soft protein corona in distinct flow allows identification of weakly bound proteins. 2018 , 76, 217-224	51
1656	Alleviating the Liver Toxicity of Chemotherapy via pH-Responsive Hepatoprotective Prodrug Micelles. 2018 , 10, 21836-21846	33
1655	Oxygen plasma-fragmented KMnF nanoparticle benefits contrast enhancement for MRI of a patient-derived tumor xenograft model. 2018 , 29, 365601	2
1654	Hyperbranched Polymers as Nanocarriers. 2018 , 1-27	

1653	Chloroquine and nanoparticle drug delivery: A promising combination. 2018 , 191, 43-49	33
1652	Antibody orientation determines corona mistargeting capability. 2018 , 13, 775-776	28
1651	Influence of protein corona and caveolae-mediated endocytosis on nanoparticle uptake and transcytosis. 2018 , 10, 12386-12397	42
1650	Quantitative Assessment of Nanoparticle Biodistribution by Fluorescence Imaging, Revisited. 2018 , 12, 6458-6468	79
1649	Cell and organ drug targeting: Types of drug delivery systems and advanced targeting strategies. 2018 , 1-66	4
1648	Probing the biological obstacles of nanomedicine with gold nanoparticles. 2019 , 11, e1542	34
1647	Using Large Datasets to Understand Nanotechnology. 2019 , 31, e1902798	31
1646	NIR light triggered size variable remote-controlled cluster bomb for deep penetration and tumor therapy. 2019 , 375, 122080	21
1645	Liposomes of Quantum Dots Configured for Passive and Active Delivery to Tumor Tissue. 2019 , 19, 5844-5852	23
1644	Deep Tumor Penetration of Drug-Loaded Nanoparticles by Click Reaction-Assisted Immune Cell Targeting Strategy. 2019 , 141, 13829-13840	51
1643	Multivalent "attacker and guard" strategy for targeting surfaces with low receptor density. 2019 , 150, 184907	7
1642	The UCD nanosafety workshop (03 December 2018): towards developing a consensus on safe handling of nanomaterials within the Irish university labs and beyond - a report. 2019 , 13, 717-732	5
1641	Systematic comparison of methods for determining the in vivo biodistribution of porous nanostructured injectable inorganic particles. 2019 , 97, 501-512	7
1640	Osmotic Delivery and Release of Lipid-Encapsulated Molecules via Sequential Solution Exchange. 2019 , 12,	15
1639	Contrast enhanced ultrasound imaging by nature-inspired ultrastable echogenic nanobubbles. 2019 , 11, 15647-15658	38
1638	Indocyanine Green-Coated Gold Nanoclusters for Photoacoustic Imaging and Photothermal Therapy. 2019 , 2, 1900088	9
1637	Antiadhesive Nanosomes Facilitate Targeting of the Lysosomal GlcNAc Salvage Pathway through Derailed Cancer Endocytosis. 2019 , 131, 14655-14660	2
1636	Electrospun Nanofibers for Drug Delivery and Biosensing. 2019 , 5, 4183-4205	58

1635	Glutamine- β -cyclodextrin for targeted doxorubicin delivery to triple-negative breast cancer tumors via the transporter ASCT2. 2019 , 7, 5363-5375	11
1634	Survey of Clinical Translation of Cancer Nanomedicines-Lessons Learned from Successes and Failures. 2019 , 52, 2445-2461	160
1633	Super-resolution Microscopy for Nanomedicine Research. 2019 , 13, 9707-9712	24
1632	Nanoparticle Interactions with the Tumor Microenvironment. 2019 , 30, 2247-2263	34
1631	Nanotheranostics Targeting the Tumor Microenvironment. 2019 , 7, 197	42
1630	Size Dependency of Circulation and Biodistribution of Biomimetic Nanoparticles: Red Blood Cell Membrane-Coated Nanoparticles. 2019 , 8,	33
1629	Recent advances in the targeting of systemically administered non-viral gene delivery systems. 2019 , 16, 1037-1050	9
1628	Internalization Characterization of Si Nanorod with Camouflaged Cell Membrane Proteins Reveals as a Negative Regulator. 2019 , 8,	5
1627	Targeting the transferrin receptor for brain drug delivery. 2019 , 181, 101665	96
1626	Tumor-targeting glycol chitosan nanocarriers: overcoming the challenges posed by chemotherapeutics. 2019 , 16, 835-846	5
1625	Immunotoxicity Considerations for Next Generation Cancer Nanomedicines. 2019 , 6, 1900133	27
1624	Antiadhesive Nanosomes Facilitate Targeting of the Lysosomal GlcNAc Salvage Pathway through Derailed Cancer Endocytosis. 2019 , 58, 14513-14518	9
1623	Imaging-assisted nanoimmunotherapy for atherosclerosis in multiple species. 2019 , 11,	31
1622	Tumor penetration of Sub-10 nm nanoparticles: effect of dendrimer properties on their penetration in multicellular tumor spheroids. 2019 , 21, 102059	21
1621	Magnetic Accumulation of SPIONs under Arterial Flow Conditions: Effect of Serum and Red Blood Cells. 2019 , 24,	6
1620	Glutathione-mediated biotransformation in the liver modulates nanoparticle transport. 2019 , 14, 874-882	60
1619	CXC Chemokine Receptor 4 Antagonist Functionalized Renal Clearable Manganese-Doped Iron Oxide Nanoparticles for Active-Tumor-Targeting Magnetic Resonance Imaging-Guided Bio-Photothermal Therapy.. 2019 , 2, 3613-3621	14
1618	Intracellular Enzyme-Triggered Assembly of Amino Acid-Modified Gold Nanoparticles for Accurate Cancer Therapy with Multimode. 2019 , 11, 28621-28630	14

1617	Eradication of unresectable liver metastasis through induction of tumour specific energy depletion. 2019 , 10, 3051	33
1616	Magnetic targeting combined with active targeting of dual-ligand iron oxide nanoprobe to promote the penetration depth in tumors for effective magnetic resonance imaging and hyperthermia. 2019 , 96, 491-504	41
1615	Selective, Agglomerate-Free Separation of Bacteria Using Biofunctionalized, Magnetic Janus Nanoparticles.. 2019 , 2, 3520-3531	10
1614	Advances and Challenges of Nanoparticle-Based Macrophage Reprogramming for Cancer Immunotherapy. 2019 , 84, 729-745	6
1613	Improving systemic circulation of paclitaxel nanocrystals by surface hybridization of DSPE-PEG2000. 2019 , 182, 110337	12
1612	Fluorescence correlation spectroscopy as a tool for the study of the intracellular dynamics and biological fate of protein corona. 2019 , 253, 106218	16
1611	Size-Tunable DNA-Based Micelles for Deep Tumor Penetration. 2019 , 5, 1687-1689	10
1610	The SR-B1 Receptor as a Potential Target for Treating Glioblastoma. 2019 , 2019, 1805841	11
1609	Zirconyl Hydrogenphosphate Nanocontainers for Flexible Transport and Release of Lipophilic Cytostatics, Insecticides, and Antibiotics. 2019 , 29, 1900543	4
1608	Nanocarbons for Biology and Medicine: Sensing, Imaging, and Drug Delivery. 2019 , 119, 9559-9656	219
1607	Role of Nanoparticle Mechanical Properties in Cancer Drug Delivery. 2019 , 13, 7410-7424	131
1606	Combinatorial targeting of cancer bone metastasis using mRNA engineered stem cells. 2019 , 45, 39-57	10
1605	Correlating Anticancer Drug Delivery Efficiency with Vascular Permeability of Renal Clearable Versus Non-renal Clearable Nanocarriers. 2019 , 131, 12204-12208	0
1604	Plasmonic Photothermal Nanoparticles for Biomedical Applications. 2019 , 6, 1900471	206
1603	Efficient nanocarriers of siRNA therapeutics for cancer treatment. 2019 , 214, 62-91	49
1602	A neutral water-soluble mitochondria-targeting polymer. 2019 , 55, 10015-10018	16
1601	Bioinspired lipoproteins-mediated photothermia remodels tumor stroma to improve cancer cell accessibility of second nanoparticles. 2019 , 10, 3322	55
1600	Theranostics Based on Liposome: Looking Back and Forward. 2019 , 53, 242-246	19

1599	Highly Stable and Long-Circulating Metal-Organic Frameworks Nanoprobes for Sensitive Tumor Detection In Vivo. 2019 , 8, e1900761	15
1598	A Simple, Yet Multifunctional, Nanoformulation for Eradicating Tumors and Preventing Recurrence with Safely Low Administration Dose. 2019 , 19, 5515-5523	19
1597	Boosting the Ferroptotic Antitumor Efficacy via Site-Specific Amplification of Tailored Lipid Peroxidation. 2019 , 11, 29655-29666	29
1596	Recent development in biodegradable nanovehicle delivery system-assisted immunotherapy. 2019 , 7, 4414-4443	14
1595	Tumor Targeting Strategies of Smart Fluorescent Nanoparticles and Their Applications in Cancer Diagnosis and Treatment. 2019 , 31, e1902409	94
1594	Biohybrid Nanoparticles to Negotiate with Biological Barriers. 2019 , 15, e1902333	14
1593	Docetaxel-loaded biomimetic nanoparticles for targeted lung cancer therapy in vivo. 2019 , 21, 1	17
1592	Careers in nanomedicine and drug delivery. 2019 , 144, 180-189	23
1591	Shedding Light on the Trehalose-Enabled Mucopermeation of Nanoparticles with Label-Free Raman Spectroscopy. 2019 , 15, e1901679	3
1590	Intratumoral fate of functional nanoparticles in response to microenvironment factor: Implications on cancer diagnosis and therapy. 2019 , 143, 37-67	52
1589	On the issue of transparency and reproducibility in nanomedicine. 2019 , 14, 629-635	92
1588	Preparation of iron oxide mesoporous magnetic microparticles as novel multidrug carriers for synergistic anticancer therapy and deep tumor penetration. 2019 , 9, 9481	26
1587	Nanoparticle-Aided Characterization of Arterial Endothelial Architecture during Atherosclerosis Progression and Metabolic Therapy. 2019 , 13, 13759-13774	39
1586	Controlled Drug Delivery Systems for Oral Cancer Treatment-Current Status and Future Perspectives. 2019 , 11,	45
1585	Gold nanoparticles conjugated with resveratrol induce cell cycle arrest in MCF-7 cell lines. 2019 , 62,	5
1584	Correlating Anticancer Drug Delivery Efficiency with Vascular Permeability of Renal Clearable Versus Non-renal Clearable Nanocarriers. 2019 , 58, 12076-12080	11
1583	Size-Tunable Assemblies Based on Ferrocene-Containing DNA Polymers for Spatially Uniform Penetration. 2019 , 5, 1775-1792	44
1582	Toxico-Metabolomics of Engineered Nanomaterials: Progress and Challenges. 2019 , 29, 1904268	12

1581	Cancer Cell Membrane-Coated Nanoparticles for Personalized Therapy in Patient-Derived Xenograft Models. 2019 , 29, 1905671	60
1580	Rekindling RNAi Therapy: Materials Design Requirements for In Vivo siRNA Delivery. 2019 , 31, e1903637	104
1579	Size-Optimized Ultrasmall Porous Silica Nanoparticles Depict Vasculature-Based Differential Targeting in Triple Negative Breast Cancer. 2019 , 15, e1903747	22
1578	Bidirectional Transport of Nanoparticles and Cells with a Bio-Conveyor Belt. 2019 , 15, e1905209	7
1577	Effect of Cell Age on Uptake and Toxicity of Nanoparticles: The Overlooked Factor at the Nanobio Interface. 2019 , 11, 39672-39687	16
1576	Multimodal Precision Imaging of Pulmonary Nanoparticle Delivery in Mice: Dynamics of Application, Spatial Distribution, and Dosimetry. 2019 , 15, e1904112	15
1575	Development of a Physiologically-Based Mathematical Model for Quantifying Nanoparticle Distribution in Tumors. 2019 , 2019, 2852-2855	1
1574	Discovery of a Novel Cabazitaxel Nanoparticle-Drug Conjugate (CRLX522) with Improved Pharmacokinetic Properties and Anticancer Effects Using a β -Cyclodextrin-PEG Copolymer Based Delivery Platform. 2019 , 62, 9541-9559	5
1573	Enhancement in Antibacterial Activities of Eugenol-Entrapped Ethosome Nanoparticles via Strengthening Its Permeability and Sustained Release. 2019 , 67, 1371-1380	21
1572	Gram-Negative Bacteria Targeting Mediated by Carbohydrate-Carbohydrate Interactions Induced by Surface-Modified Nanoparticles. 2019 , 29, 1904216	24
1571	CD44-Specific A6 Short Peptide Boosts Targetability and Anticancer Efficacy of Polymersomal Epirubicin to Orthotopic Human Multiple Myeloma. 2019 , 31, e1904742	30
1570	Hydrophobized SN38 to redox-hypersensitive nanorods for cancer therapy. 2019 , 7, 265-276	12
1569	Control of Arms of Au Stars Size and its Dependent Cytotoxicity and Photosensitizer Effects in Photothermal Anticancer Therapy. 2019 , 20,	7
1568	Polymer-Mediated Penetration-Independent Cancer Therapy. 2019 , 20, 4258-4271	30
1567	Biodegradable Mesoporous Silica Achieved via Carbon Nanodots-Incorporated Framework Swelling for Debris-Mediated Photothermal Synergistic Immunotherapy. 2019 , 19, 8409-8417	46
1566	Giant Vesicles with Encapsulated Magnetic Nanowires as Versatile Carriers, Transported via Rotating and Nonhomogeneous Magnetic Fields. 2019 , 36, 1900239	
1565	Ionizable lipid nanoparticles encapsulating barcoded mRNA for accelerated in vivo delivery screening. 2019 , 316, 404-417	42
1564	A pH-responsive nanoparticle targets the neurokinin 1 receptor in endosomes to prevent chronic pain. 2019 , 14, 1150-1159	60

1563	Ultrafast ultrasound imaging in acoustic microbubble trapping. 2019 , 115, 203701	10
1562	Sequential MR Image-Guided Local Immune Checkpoint Blockade Cancer Immunotherapy Using Ferumoxytol Capped Ultralarge Pore Mesoporous Silica Carriers after Standard Chemotherapy. 2019 , 15, e1904378	22
1561	Macromolecular Architecture and Encapsulation of the Anticancer Drug Everolimus Control the Self-Assembly of Amphiphilic Polypeptide-Containing Hybrids. 2019 , 20, 4546-4562	9
1560	Nanostructure Empowers Active Tumor Targeting in Ligand-Based Molecular Delivery. 2019 , 36, 1900304	7
1559	Sonoprinting liposomes on tumor spheroids by microbubbles and ultrasound. 2019 , 316, 79-92	14
1558	PLGA Nanoparticles Codelivering siRNAs against Programmed Cell Death Protein-1 and Its Ligand Gene for Suppression of Colon Tumor Growth. 2019 , 16, 4940-4953	19
1557	Active Cellular and Subcellular Targeting of Nanoparticles for Drug Delivery. 2019 , 11,	34
1556	Advanced Nanotechnology Leading the Way to Multimodal Imaging-Guided Precision Surgical Therapy. 2019 , 31, e1904329	72
1555	Targeted Delivery to Tumors: Multidirectional Strategies to Improve Treatment Efficiency. 2019 , 11,	58
1554	Right Cu S@MnS Core-Shell Nanoparticles as a Photo/HO-Responsive Platform for Effective Cancer Theranostics. 2019 , 6, 1901461	30
1553	Nanoscale systems for local drug delivery. 2019 , 28, 100765-100765	26
1552	Nanotargeted agents: an emerging therapeutic strategy for breast cancer. 2019 , 14, 1771-1786	17
1551	Therapeutic genome editing of triple-negative breast tumors using a noncationic and deformable nanolipogel. 2019 , 116, 18295-18303	40
1550	Real-time fluorescence imaging for visualization and drug uptake prediction during drug delivery by thermosensitive liposomes. 2019 , 36, 817-826	11
1549	Tumor pH-Responsive Albumin/Polyaniline Assemblies for Amplified Photoacoustic Imaging and Augmented Photothermal Therapy. 2019 , 15, e1902926	49
1548	Potential applications of nanoparticles for tumor microenvironment remodeling to ameliorate cancer immunotherapy. 2019 , 570, 118636	15
1547	Insights into Active Targeting of Nanoparticles in Drug Delivery: Advances in Clinical Studies and Design Considerations for Cancer Nanomedicine. 2019 , 30, 2300-2311	80
1546	Gold nanoparticles in chemo-, immuno-, and combined therapy: review [Invited]. 2019 , 10, 3152-3182	30

1545	Engineered Polymeric Materials for Biological Applications: Overcoming Challenges of the Bio-Nano Interface. 2019 , 11,	12
1544	Nanoscale Technologies for Prevention and Treatment of Heart Failure: Challenges and Opportunities. 2019 , 119, 11352-11390	24
1543	Smart Unimolecular Micelle-Based Polyprodrug with Dual-Redox Stimuli Response for Tumor Microenvironment: Enhanced in Vivo Delivery Efficiency and Tumor Penetration. 2019 , 11, 36130-36140	32
1542	Improving cancer immunotherapy through nanotechnology. 2019 , 19, 587-602	257
1541	Carrier-free nanodrug: A novel strategy of cancer diagnosis and synergistic therapy. 2019 , 570, 118663	46
1540	Injectable and Quadruple-Functional Hydrogel as an Alternative to Intravenous Delivery for Enhanced Tumor Targeting. 2019 , 11, 34634-34644	13
1539	Renal clearable catalytic gold nanoclusters for in vivo disease monitoring. 2019 , 14, 883-890	178
1538	Polymer design and component selection contribute to uptake, distribution & trafficking behaviours of polyethylene glycol hyperbranched polymers in live MDA-MB-468 breast cancer cells. 2019 , 7, 4661-4674	7
1537	Quality-by-Design Concepts to Improve Nanotechnology-Based Drug Development. 2019 , 36, 153	18
1536	Liver-targeted Nano-MitoPBN normalizes glucose metabolism by improving mitochondrial redox balance. 2019 , 222, 119457	16
1535	Optimizing design parameters of a peptide targeted liposomal nanoparticle in an in vivo multiple myeloma disease model after initial evaluation in vitro. 2019 , 311-312, 190-200	4
1534	Effect of Ultrasound on the Vasculature and Extravasation of Nanoscale Particles Imaged in Real Time. 2019 , 45, 3028-3041	14
1533	Fluorescent Silicon Nanorods-Based Nanotheranostic Agents for Multimodal Imaging-Guided Photothermal Therapy. 2019 , 11, 73	12
1532	Nanoparticles' interactions with vasculature in diseases. 2019 , 48, 5381-5407	150
1531	Iron Release Profile of Silica-Modified Zero-Valent Iron NPs and Their Implication in Cancer Therapy. 2019 , 20,	6
1530	Influence of size, crosslinking degree and surface structure of poly(N-vinylcaprolactam)-based microgels on their penetration into multicellular tumor spheroids. 2019 , 7, 4738-4747	13
1529	Long-term delivery of protein and peptide therapeutics for cancer therapies. 2019 , 16, 1113-1131	5
1528	Targeted, Stimuli-Responsive, and Theranostic F Magnetic Resonance Imaging Probes. 2019 , 30, 2502-2518	24

1527	Cyclic dipeptide nanoribbons formed by dye-mediated hydrophobic self-assembly for cancer chemotherapy. 2019 , 557, 458-464	14
1526	Emerging 2D material-based nanocarrier for cancer therapy beyond graphene. 2019 , 400, 213041	54
1525	Bacterial Biofilm Bioinspired Persistent Luminescence Nanoparticles with Gut-Oriented Drug Delivery for Colorectal Cancer Imaging and Chemotherapy. 2019 , 11, 36409-36419	21
1524	Developing Protein-Based Nanoparticles as Versatile Delivery Systems for Cancer Therapy and Imaging. 2019 , 9,	20
1523	Tumor self-responsive upconversion nanomedicines for theranostic applications. 2019 , 11, 17535-17556	21
1522	Impact of soft protein interactions on the excretion, extent of receptor occupancy and tumor accumulation of ultrasmall metal nanoparticles: a compartmental model simulation.. 2019 , 9, 26927-26941	5
1521	pH-responsive stearic acid-O-carboxymethyl chitosan assemblies as carriers delivering small molecular drug for chemotherapy. 2019 , 105, 110107	15
1520	Sub-10 nm Theranostic Unimolecular Micelles with High Tumor-Specific Accumulation, Retention, and Inhibitory Effect.. 2019 , 2, 4142-4153	6
1519	Targeting the Cell Membrane by Charge-Reversal Amphiphilic Pillar[5]arene for the Selective Killing of Cancer Cells. 2019 , 11, 38497-38502	30
1518	Nanotechnology based therapeutics for lung disease. 2019 , 74, 965-976	30
1517	Nanoparticles Targeting STATs in Cancer Therapy. 2019 , 8,	34
1516	A protein corona primer for physical chemists. 2019 , 151, 130901	13
1515	Autophagy Modulators: Mechanistic Aspects and Drug Delivery Systems. 2019 , 9,	40
1514	Silk Fibroin as a Functional Biomaterial for Drug and Gene Delivery. 2019 , 11,	61
1513	Visible light-induced apoptosis activatable nanoparticles of photosensitizer-DEVD-anticancer drug conjugate for targeted cancer therapy. 2019 , 224, 119494	29
1512	Engineered materials for in vivo delivery of genome-editing machinery. <i>Nature Reviews Materials</i> , 2019 , 4, 726-737	73-3 73
1511	Nanobiomaterials Used in Cancer Therapy: An Up-To-Date Overview. 2019 , 24,	51
1510	Ferritin drug carrier (FDC) for tumor targeting therapy. 2019 , 311-312, 288-300	59

1509	Intrinsic chemistry and design principle of ultrasound-responsive nanomedicine. 2019 , 28, 100773	23
1508	A non-sacrificial method for the quantification of poly(ethylene glycol) grafting density on gold nanoparticles for applications in nanomedicine. 2019 , 10, 2067-2074	19
1507	Nanoparticle-mediated internal radioisotope therapy to locally increase the tumor vasculature permeability for synergistically improved cancer therapies. 2019 , 197, 368-379	37
1506	Presentation and Delivery of Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand via Elongated Plant Viral Nanoparticle Enhances Antitumor Efficacy. 2019 , 13, 2501-2510	20
1505	Engineering biocompatible benzodithiophene-based polymer dots with tunable absorptions as high-efficiency theranostic agents for multiscale photoacoustic imaging-guided photothermal therapy. 2019 , 7, 1486-1492	7
1504	Nanoparticle heterogeneity: an emerging structural parameter influencing particle fate in biological media?. 2019 , 11, 383-406	55
1503	Neoadjuvant nano-photothermal therapy used before operation effectively assists in surgery for breast cancer. 2019 , 11, 706-716	7
1502	Carrier-free nano-integrated strategy for synergetic cancer anti-angiogenic therapy and phototherapy. 2019 , 10, 2778-2784	64
1501	Label-free plasmonic nanostar probes to illuminate membrane receptor recognition. 2019 , 10, 1807-1815	18
1500	Nanomedicines for cancer therapy: current status, challenges and future prospects. 2019 , 10, 113-132	75
1499	Therapeutic Remodeling of the Tumor Microenvironment Enhances Nanoparticle Delivery. 2019 , 6, 1802070	52
1498	Ultrasound responsive mesoporous silica nanoparticles for biomedical applications. 2019 , 55, 2731-2740	44
1497	Core-shell noble-metal@zeolitic-imidazolate-framework nanocarriers with high cancer treatment efficiency in vitro. 2019 , 7, 1050-1055	9
1496	Microenvironment-Induced In Situ Self-Assembly of Polymer-Peptide Conjugates That Attack Solid Tumors Deeply. 2019 , 58, 4632-4637	88
1495	Autologous cancer cell-derived extracellular vesicles as drug-delivery systems: a systematic review of preclinical and clinical findings and translational implications. 2019 , 14, 493-509	13
1494	Tumors and Their Microenvironment Dual-Targeting Chemotherapy with Local Immune Adjuvant Therapy for Effective Antitumor Immunity against Breast Cancer. 2019 , 6, 1801868	68
1493	Microenvironment-Induced In Situ Self-Assembly of Polymer-Peptide Conjugates That Attack Solid Tumors Deeply. 2019 , 131, 4680-4685	14
1492	Optimal nanoparticle design for effective transport through the blood-brain barrier. 2019 , 295, 290	4

1491	Upconversion nanoparticles for in vivo applications: limitations and future perspectives. 2019 , 7, 022001	36
1490	Saponin-Based Near-Infrared Nanoparticles with Aggregation-Induced Emission Behavior: Enhancing Cell Compatibility and Permeability.. 2019 , 2, 943-951	12
1489	Controlled Nano-Bio Interface of Functional Nanoprobes for in Vivo Monitoring Enzyme Activity in Tumors. 2019 , 13, 1153-1167	13
1488	Super-resolution microscopy as a powerful tool to study complex synthetic materials. 2019 , 3, 68-84	92
1487	Rational Design of Cancer Nanomedicine for Simultaneous Stealth Surface and Enhanced Cellular Uptake. 2019 , 13, 954-977	120
1486	Enhanced Anti-tumor of Pep-1 Modified Superparamagnetic Iron Oxide/PTX Loaded Polymer Nanoparticles. 2018 , 9, 1556	8
1485	A Roadmap to the Standardization of In Vivo Magnetic Hyperthermia. 2019 , 317-337	6
1484	Evolution of Magnetic Hyperthermia for Glioblastoma Multiforme Therapy. 2019 , 10, 1157-1172	41
1483	Cell Membrane-Camouflaged NIR II Fluorescent Ag Te Quantum Dots-Based Nanobioprobes for Enhanced In Vivo Homotypic Tumor Imaging. 2019 , 8, e1900341	39
1482	Co-delivery of DOX and PDT by pH-sensitive nanoparticles to overcome multidrug resistance in breast cancer. 2019 , 181, 185-197	25
1481	Plasmonic Heating of Nanostructures. 2019 , 119, 8087-8130	177
1480	Triple-hit therapeutic approach for triple negative breast cancers using docetaxel nanoparticles, EN1-iPeps and RGD peptides. 2019 , 20, 102003	22
1479	Preparation and Evaluation of Liposomes Co-Loaded with Doxorubicin, Phospholipase D Inhibitor 5-Fluoro-2-Indolyl Deschlorohalopemide (FIPI) and D-Alpha Tocopheryl Acid Succinate (αTOS) for Anti-Metastasis. 2019 , 14, 138	6
1478	Bayesian Network Resource for Meta-Analysis: Cellular Toxicity of Quantum Dots. 2019 , 15, e1900510	25
1477	Nucleation, mapping and control of cavitation for drug delivery. 2019 , 1, 495-509	29
1476	Tumor-Targeting, MicroRNA-Silencing Porous Silicon Nanoparticles for Ovarian Cancer Therapy. 2019 , 11, 23926-23937	35
1475	Thermosensitive Nanogels with Cross-Linked Pd(II) Ions for Improving Therapeutic Effects on Platinum-Resistant Cancers via Intratumoral Formation of Hydrogels. 2019 , 31, 5089-5103	11
1474	Precision Nanomedicine Development Based on Specific Opsonization of Human Cancer Patient-Personalized Protein Coronas. 2019 , 19, 4692-4701	44

1473	Transforming stealthy to sticky nanocarriers: a potential application for tumor therapy. 2019 , 7, 3581-3593	9
1472	Amphiphilic copolymers change the nature of the ordered-to-disordered phase transition of lipid membranes from discontinuous to continuous. 2019 , 21, 13746-13757	2
1471	Mathematical modeling of the heterogeneous distributions of nanomedicines in solid tumors. 2019 , 142, 153-164	8
1470	Lipid-DNA conjugates for cell membrane modification, analysis, and regulation. 2019 , 31, 532-544	9
1469	Advances in chitosan-based nanoparticles for oncotherapy. 2019 , 222, 115004	67
1468	Targeting Topoisomerase I in the Era of Precision Medicine. 2019 , 25, 6581-6589	89
1467	Mathematical and computational modeling of nano-engineered drug delivery systems. 2019 , 307, 150-165	37
1466	Externally Addressable Smart Drug Delivery Vehicles: Current Technologies and Future Directions. 2019 , 31, 4971-4989	41
1465	Magnetic Iron Oxide Nanoparticles for Disease Detection and Therapy. 2019 , 31, 86-99	57
1464	Encapsulating maytansinoid in pH-sensitive nanocarriers: The importance of using extremely potent cytotoxic agents and fast release for nanomedicine to achieve tumor elimination. 2019 , 12, 1959-1966	4
1463	An injectable and tumor-specific responsive hydrogel with tissue-adhesive and nanomedicine-releasing abilities for precise locoregional chemotherapy. 2019 , 96, 123-136	22
1462	Leveraging Surface Plasmon Resonance to Dissect the Interfacial Properties of Nanoparticles: Implications for Tissue Binding and Tumor Penetration. 2019 , 20, 102024	8
1461	Integrating Nanotechnology into Cancer Care. 2019 , 13, 7370-7376	73
1460	Synthesis and Enhanced Cellular Uptake In Vitro of Anti-HER2 Multifunctional Gold Nanoparticles. 2019 , 11,	23
1459	Acetalated Dextran Nanoparticles Loaded into an Injectable Alginate Cryogel for Combined Chemotherapy and Cancer Vaccination. 2019 , 29, 1903686	26
1458	Use of magnetic fields and nanoparticles to trigger drug release and improve tumor targeting. 2019 , 11, e1571	35
1457	High Co-loading Capacity and Stimuli-Responsive Release Based on Cascade Reaction of Self-Destructive Polymer for Improved Chemo-Photodynamic Therapy. 2019 , 13, 7010-7023	78
1456	Oleylamine-Mediated Synthesis of Small NaYbF ₄ Nanoparticles with Tunable Size. 2019 , 31, 4779-4786	57

1455	Acidic pH-Activated Gas-Generating Nanoparticles with Pullulan Decorating for Hepatoma-Targeted Ultrasound Imaging. 2019 , 11, 22194-22205	18
1454	Trapping of sub-100 nm nanoparticles using gigahertz acoustofluidic tweezers for biosensing applications. 2019 , 11, 14625-14634	19
1453	Current Applications of Nanoemulsions in Cancer Therapeutics. 2019 , 9,	72
1452	Development of Liposomal Gemcitabine with High Drug Loading Capacity. 2019 , 16, 2858-2871	25
1451	The origin of heterogeneous nanoparticle uptake by cells. 2019 , 10, 2341	46
1450	Construction of Persistent Luminescence-Plastic Antibody Hybrid Nanoprobe for In Vivo Recognition and Clearance of Pesticide Using Background-Free Nanobioimaging. 2019 , 67, 6874-6883	8
1449	Erythrocyte Membrane-Camouflaged IR780 and DTX Coloading Polymeric Nanoparticles for Imaging-Guided Cancer Photo-Chemo Combination Therapy. 2019 , 16, 3208-3220	27
1448	The Nano-Bio Interactions of Nanomedicines: Understanding the Biochemical Driving Forces and Redox Reactions. 2019 , 52, 1507-1518	123
1447	Ligand density on nanoparticles: A parameter with critical impact on nanomedicine. 2019 , 143, 22-36	63
1446	Multifunctional lipid-coated calcium phosphate nanoplatfoms for complete inhibition of large triple negative breast cancer via targeted combined therapy. 2019 , 216, 119232	15
1445	The Application of Nucleic Acid Amplification Strategies in Theranostics. 2019 , 289-305	
1444	Peptide-functionalized NaGdF nanoparticles for tumor-targeted magnetic resonance imaging and effective therapy.. 2019 , 9, 17093-17100	9
1443	Flower-like curcumin-loaded folic acid-conjugated ZnO-MPA- β -cyclodextrin nanostructures enhanced anticancer activity and cellular uptake of curcumin in breast cancer cells. 2019 , 103, 109827	21
1442	Quantification of gold nanoparticle accumulation in tissue by two-photon luminescence microscopy. 2019 , 11, 11331-11339	10
1441	A Dual-Functional Photosensitizer for Ultraefficient Photodynamic Therapy and Synchronous Anticancer Efficacy Monitoring. 2019 , 29, 1902673	58
1440	Nanoparticles for Biomedicine: Coagulation During Synthesis and Applications. 2019 , 10, 155-174	16
1439	Induction of anti-cancer T cell immunity by in situ vaccination using systemically administered nanomedicines. 2019 , 459, 192-203	14
1438	Light triggered oxygen-affording engines for repeated hypoxia-resistant photodynamic therapy. 2019 , 307, 44-54	44

1437	Dendritic Polyglycerol-Derived Nano-Architectures as Delivery Platforms of Gemcitabine for Pancreatic Cancer. 2019 , 19, e1900073	17
1436	Zinc-substituted hemoglobin with specific drug binding sites and fatty acid resistance ability for enhanced photodynamic therapy. 2019 , 12, 1880-1887	11
1435	pH/redox dual-responsive amphiphilic zwitterionic polymers with a precisely controlled structure as anti-cancer drug carriers. 2019 , 7, 3190-3203	22
1434	A repertoire of biomedical applications of noble metal nanoparticles. 2019 , 55, 6964-6996	139
1433	Combining Nanomedicine and Immunotherapy. 2019 , 52, 1543-1554	183
1432	On the encapsulation and assembly of anticancer drugs in a cooperative fashion. 2019 , 10, 5678-5685	12
1431	Injectable, Biodegradable, Thermosensitive Nanoparticles-Aggregated Hydrogel with Tumor-Specific Targeting, Penetration, and Release for Efficient Postsurgical Prevention of Tumor Recurrence. 2019 , 11, 19700-19711	33
1430	Ligand-Modified Cell Membrane Enables the Targeted Delivery of Drug Nanocrystals to Glioma. 2019 , 13, 5591-5601	135
1429	Translating Nanomedicine to Comparative Oncology-the Case for Combining Zinc Oxide Nanomaterials with Nucleic Acid Therapeutic and Protein Delivery for Treating Metastatic Cancer. 2019 , 370, 671-681	4
1428	Quantum dots in biomedical applications. 2019 , 94, 44-63	158
1427	Nanotechnology-mediated immunochemotherapy with Ingenol-3-Mebutate for Systematic Anti-tumor Effects. 2019 , 304, 242-258	8
1426	Physalis Mottle Virus-like Nanoparticles for Targeted Cancer Imaging. 2019 , 11, 18213-18223	25
1425	Chimeric peptide nanorods for plasma membrane and nuclear targeted photosensitizer delivery and enhanced photodynamic therapy. 2019 , 16, 120-131	18
1424	Adding Nanotechnology to the Metastasis Treatment Arsenal. 2019 , 40, 403-418	15
1423	Fluorescent and mass spectrometric evaluation of the phagocytic internalization of a CD47-peptide modified drug-nanocarrier. 2019 , 411, 4193-4202	1
1422	Dual-Ligand Modification of PEGylated Liposomes Used for Targeted Doxorubicin Delivery to Enhance Anticancer Efficacy. 2019 , 20, 188	16
1421	In Vivo Assembly and Disassembly of Probes to Improve Near-Infrared Optical Bioimaging. 2019 , 8, e1801650	17
1420	Recent advances in gold nanoparticles for biomedical applications: from hybrid structures to multi-functionality. 2019 , 7, 3480-3496	67

1419	Improved tumor targeting and penetration by a dual-functional poly(amidoamine) dendrimer for the therapy of triple-negative breast cancer. 2019 , 7, 3724-3736	21
1418	Biocompatible Nanoclusters with High Heating Efficiency for Systemically Delivered Magnetic Hyperthermia. 2019 , 13, 6383-6395	104
1417	Nanocarriers targeting senescent cells. 2019 , 3, 1-5	9
1416	Surface-modified PLGA nanoparticles with PEG/LA-chitosan for targeted delivery of arsenic trioxide for liver cancer treatment: Inhibition effects enhanced and side effects reduced. 2019 , 180, 110-117	19
1415	Macroscale biomaterials strategies for local immunomodulation. <i>Nature Reviews Materials</i> , 2019 , 4, 379-393	102
1414	89Sr-doped hydroxyapatite nanoparticles as a potential therapeutic agent for bone tumors. 2019 , 16, 1904-1919	7
1413	Cascade-amplification of therapeutic efficacy: An emerging opportunity in cancer treatment. 2019 , 11, e1555	4
1412	Stimuli sensitive systems for camptothecin delivery. 2019 , 391-428	
1411	Tuning the In Vivo Transport of Anticancer Drugs Using Renal-Clearable Gold Nanoparticles. 2019 , 58, 8479-8483	45
1410	Concepts of nanoparticle cellular uptake, intracellular trafficking, and kinetics in nanomedicine. 2019 , 143, 68-96	244
1409	Protein Shell-Encapsulated Pt Clusters as Continuous O-Supplied Biocoats for Photodynamic Therapy in Hypoxic Cancer Cells. 2019 , 11, 17215-17225	18
1408	Biodistribution, Excretion, and Toxicity of Nanoparticles. 2019 , 27-53	5
1407	Chimeric peptide engineered exosomes for dual-stage light guided plasma membrane and nucleus targeted photodynamic therapy. 2019 , 211, 14-24	56
1406	Influenza A virus mimetic nanoparticles trigger selective cell uptake. 2019 , 116, 9831-9836	17
1405	Tuning the In Vivo Transport of Anticancer Drugs Using Renal-Clearable Gold Nanoparticles. 2019 , 131, 8567	2
1404	Empowering Mesenchymal Stem Cells for Ocular Degenerative Disorders. 2019 , 20,	11
1403	Molybdenum disulfide nanoflowers mediated anti-inflammation macrophage modulation for spinal cord injury treatment. 2019 , 549, 50-62	25
1402	Organotropic drug delivery: Synthetic nanoparticles and extracellular vesicles. 2019 , 21, 46	41

1401	Radial extracorporeal shock wave promotes the enhanced permeability and retention effect to reinforce cancer nanotherapeutics. 2019 , 64, 679-689	6
1400	Cancer nanomedicine for combination cancer immunotherapy. <i>Nature Reviews Materials</i> , 2019 , 4, 398-414	333 372
1399	Synthetic and living micropropellers for convection-enhanced nanoparticle transport. 2019 , 5, eaav4803	72
1398	L-cysteine and poly-L-arginine grafted carboxymethyl cellulose/Ag-In-S quantum dot fluorescent nanohybrids for in vitro bioimaging of brain cancer cells. 2019 , 133, 739-753	17
1397	Polyethylenimine modified with 2,3-dimethylmaleic anhydride potentiates the antitumor efficacy of conventional chemotherapy. 2019 , 102, 558-568	7
1396	Effects of single and combined toxic exposures on the gut microbiome: Current knowledge and future directions. 2019 , 312, 72-97	69
1395	PEGylated (NH)WO nanorod mediated rapid photonecrosis of breast cancer cells. 2019 , 11, 10209-10219	5
1394	Dual complementary liposomes inhibit triple-negative breast tumor progression and metastasis. 2019 , 5, eaav5010	38
1393	Designing pH-triggered drug release iron oxide nanocomposites for MRI-guided photothermal-chemoembolization therapy of liver orthotopic cancer. 2019 , 7, 1842-1851	11
1392	Novel heparin-loaded mesoporous tubular micromotors formed via template-assisted electrochemical deposition. 2019 , 7, 2688-2695	6
1391	Achieving Selective Targeting Using Engineered Nanomaterials. 2019 , 147-182	2
1390	Lyophilized liposome-based parenteral drug development: Reviewing complex product design strategies and current regulatory environments. 2019 , 151-152, 56-71	29
1389	Poly(amidoamine) Dendrimer as a Respiratory Nanocarrier: Insights from Experiments and Molecular Dynamics Simulations. 2019 , 35, 5364-5371	12
1388	Tumor Microenvironment Responsive Drug-Dye-Peptide Nanoassembly for Enhanced Tumor-Targeting, Penetration, and Photo-Chemo-Immunotherapy. 2019 , 29, 1900004	88
1387	pH-Dependent aggregation and pH-independent cell membrane adhesion of monolayer-protected mixed charged gold nanoparticles. 2019 , 11, 7371-7385	14
1386	Monophosphonic versus Multiphosphonic Acid Based PEGylated Polymers for Functionalization and Stabilization of Metal (Ce, Fe, Ti, Al) Oxide Nanoparticles in Biological Media. 2019 , 6, 1801814	13
1385	Pharmacokinetic and Pharmacodynamic Properties of Drug Delivery Systems. 2019 , 370, 570-580	36
1384	Transformable nanotherapeutics enabled by ICG: towards enhanced tumor penetration under NIR light irradiation. 2019 , 11, 6217-6227	18

1383	Smart Nanoparticles for Drug Delivery Application: Development of Versatile Nanocarrier Platforms in Biotechnology and Nanomedicine. 2019 , 2019, 1-26	377
1382	Biopolymer nanoparticle surface chemistry dictates the nature and extent of protein hard corona. 2019 , 282, 169-176	4
1381	Understanding Surface Characteristics of Nanoparticles. 2019 , 1-17	2
1380	A lanthanide-peptide-derived bacterium-like nanotheranostic with high tumor-targeting, -imaging and -killing properties. 2019 , 206, 13-24	21
1379	Radiation-Induced Targeted Nanoparticle-Based Gene Delivery for Brain Tumor Therapy. 2019 , 13, 4028-4040	81
1378	An arsenic trioxide nanoparticle prodrug (ATONP) potentiates a therapeutic effect on an aggressive hepatocellular carcinoma model via enhancement of intratumoral arsenic accumulation and disturbance of the tumor microenvironment. 2019 , 7, 3088-3099	10
1377	Colloid Transport in Porous Media: A Review of Classical Mechanisms and Emerging Topics. 2019 , 130, 129-156	17
1376	Biconcave Carbon Nanodisks for Enhanced Drug Accumulation and Chemo-Photothermal Tumor Therapy. 2019 , 8, e1801505	18
1375	Modulating Targeting of Poly(ethylene glycol) Particles to Tumor Cells Using Bispecific Antibodies. 2019 , 8, e1801607	24
1374	A Microfluidic Tumor-on-a-Chip for Assessing Multifunctional Liposomes' Tumor Targeting and Anticancer Efficacy. 2019 , 8, e1900015	23
1373	Intra-articular targeting of nanomaterials for the treatment of osteoarthritis. 2019 , 93, 239-257	66
1372	Micellar Formulation of Talazoparib and Buparlisib for Enhanced DNA Damage in Breast Cancer Chemoradiotherapy. 2019 , 11, 12342-12356	10
1371	Delivering the Messenger: Advances in Technologies for Therapeutic mRNA Delivery. 2019 , 27, 710-728	354
1370	Non-invasive sensitive brain tumor detection using dual-modality bioimaging nanoprobe. 2019 , 30, 275101	11
1369	Tailoring Nanomaterials for Targeting Tumor-Associated Macrophages. 2019 , 31, e1808303	135
1368	Passive Targeting of Nanoparticles to Cancer. 2019 , 125-143	10
1367	Harnessing Dendritic Cells for Poly (D,L-lactide--glycolide) Microspheres (PLGA MS)-Mediated Anti-tumor Therapy. 2019 , 10, 707	23
1366	Quantitative Analysis on Cellular Uptake of Clustered Ferrite Magnetic Nanoparticles. 2019 , 15, 471-480	2

1365	Near-infrared-light induced nanoparticles with enhanced tumor tissue penetration and intelligent drug release. 2019 , 90, 314-323	15
1364	Polymers for extended-release administration. 2019 , 21, 45	10
1363	Rapid Assessment of Nanoparticle Extravasation in a Microfluidic Tumor Model. 2019 , 2, 1844-1856	17
1362	MRI Assessment of Prostate-Specific Membrane Antigen (PSMA) Targeting by a PSMA-Targeted Magnetic Nanoparticle: Potential for Image-Guided Therapy. 2019 , 16, 2060-2068	7
1361	ROS-Responsive Polymeric Micelles for Triggered Simultaneous Delivery of PLK1 Inhibitor/miR-34a and Effective Synergistic Therapy in Pancreatic Cancer. 2019 , 11, 14647-14659	30
1360	3D printed dual macro-, microscale porous network as a tissue engineering scaffold with drug delivering function. 2019 , 11, 035014	26
1359	Spirocyclic Acetal-Modified Dextran as a Flexible pH-Sensitive Solubility-Switching Material. 2019 , 20, 2008-2014	6
1358	Biodistribution and targeting properties of iron oxide nanoparticles for treatments of cancer and iron anemia disease. 2019 , 13, 573-596	40
1357	Targeted siRNA Nanoparticles for Mammary Carcinoma Therapy. 2019 , 11,	4
1356	Optimising gold nanorods for photoacoustic imaging in vitro. 2019 , 1, 1472-1481	20
1355	Atherosclerosis Treatment with Stimuli-Responsive Nanoagents: Recent Advances and Future Perspectives. 2019 , 8, e1900036	29
1354	Expanding therapeutic utility of carfilzomib for breast cancer therapy by novel albumin-coated nanocrystal formulation. 2019 , 302, 148-159	20
1353	A potent targeted cancer nanotherapeutic. 2019 , 3, 248-250	3
1352	Mathematical modeling in cancer nanomedicine: a review. 2019 , 21, 40	75
1351	A tissue chamber chip for assessing nanoparticle mobility in the extravascular space. 2019 , 21, 41	3
1350	Improved curcumin loading, release, solubility and toxicity by tuning the molar ratio of cross-linker to β -cyclodextrin. 2019 , 213, 70-78	44
1349	Nanoformulation properties, characterization, and behavior in complex biological matrices: Challenges and opportunities for brain-targeted drug delivery applications and enhanced translational potential. 2019 , 148, 146-180	45
1348	A switchable NO-releasing nanomedicine for enhanced cancer therapy and inhibition of metastasis. 2019 , 11, 5474-5488	41

1347	Image-Guided Thermal Therapy Using Magnetic Particle Imaging and Magnetic Fluid Hyperthermia. 2019 , 265-286	4
1346	Reversible Shielding between Dual Ligands for Enhanced Tumor Accumulation of ZnPc-Loaded Micelles. 2019 , 19, 1665-1674	32
1345	Integrated experimental and computational approach for nanoparticle flow analysis. 2019 , 383, 1615-1621	3
1344	Identifying translational indicators and technology opportunities for nanomedical research using tech mining: The case of gold nanostructures. 2019 , 146, 767-775	11
1343	Let's get small (and smaller): Combining zebrafish and nanomedicine to advance neuroregenerative therapeutics. 2019 , 148, 344-359	3
1342	Current advances in development of new docetaxel formulations. 2019 , 16, 301-312	21
1341	The role of surface chemistry in serum protein corona-mediated cellular delivery and gene silencing with lipid nanoparticles. 2019 , 11, 8760-8775	53
1340	Hide and Seek: Nanomaterial Interactions With the Immune System. 2019 , 10, 133	63
1339	Cancer Cell Membrane Camouflaged Nanoparticles to Realize Starvation Therapy Together with Checkpoint Blockades for Enhancing Cancer Therapy. 2019 , 13, 2849-2857	152
1338	Precise targeting of POLR2A as a therapeutic strategy for human triple negative breast cancer. 2019 , 14, 388-397	69
1337	The Cooperative Effect Analysis when Nanoparticles Enter a Biological Cell. 2019 , 14, 1950039	2
1336	Nanoparticle systems for cancer vaccine. 2019 , 14, 627-648	52
1335	Autocatalytic Morphology Transformation Platform for Targeted Drug Accumulation. 2019 , 141, 4406-4411	60
1334	Non-spherical micro- and nanoparticles in nanomedicine. 2019 , 6, 1094-1121	81
1333	Diselenolane-Mediated Cellular Uptake: Efficient Cytosolic Delivery of Probes, Peptides, Proteins, Artificial Metalloenzymes and Protein-Coated Quantum Dots. 2019 , 25, 4047-4051	21
1332	Tracking stem cells and macrophages with gold and iron oxide nanoparticles ¶The choice of the best suited particles. 2019 , 15, 267-279	26
1331	Mapping Molecular Structure of Protein Locating on Nanoparticles with Limited Proteolysis. 2019 , 91, 4204-4212	9
1330	Non-invasive and quantitative in vivo monitoring of gold nanoparticle concentration and tissue hemodynamics by hybrid optical spectroscopies. 2019 , 11, 5595-5606	4

1329	Non-invasive early detection of acute transplant rejection via nanosensors of granzyme B activity. 2019 , 3, 281-291	39
1328	Intravenous treatment of choroidal neovascularization by photo-targeted nanoparticles. 2019 , 10, 804	39
1327	Poly(Ferulic Acid) with an Anticancer Effect as a Drug Nanocarrier for Enhanced Colon Cancer Therapy. 2019 , 29, 1808646	55
1326	Nanotechnology in the diagnosis and treatment of lung cancer. 2019 , 198, 189-205	61
1325	Correlation between Drug Loading Content and Biological Activity: The Complexity Demonstrated in Paclitaxel-Loaded Glycopolymer Micelle System. 2019 , 20, 1545-1554	31
1324	Benefits of Nanomedicine for Therapeutic Intervention in Malignant Diseases. 2019 , 9, 628	11
1323	Small protein sequences can induce cellular uptake of complex nanohybrids. 2019 , 10, 2477-2482	1
1322	Grand Challenges in Nano-Based Drug Delivery.. 2019 , 1, 1	27
1321	Effective lung-targeted RNAi in mice with peptide-based delivery of nucleic acid. 2019 , 9, 19926	13
1320	Nucleic acid medicines as green novel anticancer drugs. 2019 , 131-149	0
1319	Nanoparticles and organized lipid assemblies: from interaction to design of hybrid soft devices. 2019 , 15, 8951-8970	21
1318	Erythrocyte leveraged chemotherapy (ELeCt): Nanoparticle assembly on erythrocyte surface to combat lung metastasis. 2019 , 5, eaax9250	55
1317	Evaluation of Turning-Sized Gold Nanoparticles on Cellular Adhesion by Golgi Disruption and. 2019 , 19, 8476-8487	9
1316	A highly sensitive living probe derived from nanoparticle-remodeled neutrophils for precision tumor imaging diagnosis. 2019 , 7, 5211-5220	6
1315	FDA and the medical device clinical drug trials. 2019 , 301-357	
1314	Nanomedicines: A Potential Treatment for Blood Disorder Diseases. 2019 , 7, 369	6
1313	Double-Emulsion Copolyester Microcapsules for Sustained Intraperitoneal Release of Carboplatin. 2019 , 10,	0
1312	A near infrared light-triggered human serum albumin drug delivery system with coordination bonding of indocyanine green and cisplatin for targeting photochemistry therapy against oral squamous cell cancer. 2019 , 7, 5270-5282	19

1311	A nano-immunotraining strategy to enhance the tumor targeting of neutrophils via in vivo pathogen-mimicking stimulation. 2019 , 7, 5238-5246	5
1310	Polymer stiffness governs template mediated self-assembly of liposome-like nanoparticles: simulation, theory and experiment. 2019 , 11, 20179-20193	5
1309	Optimal ligand-receptor binding for highly efficient capture of vesicles in nanofluidic transportation. 2019 , 11, 22305-22315	4
1308	Nano-Enhanced Drug Delivery and Therapeutic Ultrasound for Cancer Treatment and Beyond. 2019 , 7, 324	59
1307	A Near-Infrared Phosphorescent Nanoprobe Enables Quantitative, Longitudinal Imaging of Tumor Hypoxia Dynamics during Radiotherapy. 2019 , 79, 4787-4797	14
1306	Gold Nanomaterials for Imaging-Guided Near-Infrared Cancer Therapy. 2019 , 7, 398	14
1305	Nanoparticles-based magnetic and photo induced hyperthermia for cancer treatment. 2019 , 29, 100795	86
1304	Programming Drug Delivery Kinetics for Active Burst Release with DNA Toehold Switches. 2019 , 141, 20354-20364	47
1303	Remote Actuation of Apoptosis in Liver Cancer Cells via Magneto-Mechanical Modulation of Iron Oxide Nanoparticles. 2019 , 11,	20
1302	The two directions of cancer nanomedicine. 2019 , 14, 1083	22
1301	pH-dependend protein shell dis- and reassembly of ferritin nanoparticles revealed by atomic force microscopy. 2019 , 9, 17755	11
1300	Thirty Years of Cancer Nanomedicine: Success, Frustration, and Hope. 2019 , 11,	94
1299	Cancer Cell Membrane-Coated Nanoparticles for Cancer Management. 2019 , 11,	56
1298	Overcoming Physiological Barriers to Nanoparticle Delivery-Are We There Yet?. 2019 , 7, 415	53
1297	Exploiting Current Understanding of Hypoxia Mediated Tumour Progression for Nanotherapeutic Development. 2019 , 11,	14
1296	A tumour-selective cascade activatable self-detained system for drug delivery and cancer imaging. 2019 , 10, 4861	85
1295	Furin-mediated intracellular self-assembly of olsalazine nanoparticles for enhanced magnetic resonance imaging and tumour therapy. 2019 , 18, 1376-1383	93
1294	Nanotechnology intervention of the microbiome for cancer therapy. 2019 , 14, 1093-1103	87

1293	Bottom-up self-assembly of heterotrimeric nanoparticles and their secondary Janus generations. 2019 , 10, 10388-10394	20
1292	Biodistribution of PNIPAM-Coated Nanostructures Synthesized by the TDMT Method. 2019 , 20, 625-634	12
1291	The influence of physiological environment on the targeting effect of aptamer-guided gold nanoparticles. 2019 , 12, 129-135	15
1290	The Biomedical Use of Silk: Past, Present, Future. 2019 , 8, e1800465	299
1289	Micromotors for drug delivery in vivo: The road ahead. 2019 , 138, 41-55	64
1288	Enhancing the Plasmon Resonance Absorption of Multibranching Gold Nanoparticles in the Near-Infrared Region for Photothermal Cancer Therapy: Theoretical Predictions and Experimental Verification. 2019 , 31, 471-482	30
1287	A Critical Review on Selected External Physical Cues and Modulation of Cell Behavior: Magnetic Nanoparticles, Non-thermal Plasma and Lasers. 2018 , 10,	8
1286	DM1 Loaded Ultrasmall Gold Nanoparticles Display Significant Efficacy and Improved Tolerability in Murine Models of Hepatocellular Carcinoma. 2019 , 30, 703-713	11
1285	Tobacco Mosaic Virus-Functionalized Mesoporous Silica Nanoparticles, a Wool-Ball-like Nanostructure for Drug Delivery. 2019 , 35, 203-211	13
1284	The Crown and the Scepter: Roles of the Protein Corona in Nanomedicine. 2019 , 31, e1805740	183
1283	Targeting 3D Bladder Cancer Spheroids with Urease-Powered Nanomotors. 2019 , 13, 429-439	117
1282	Recruiting potent membrane penetrability in tumor cell-targeted protein-only nanoparticles. 2019 , 30, 115101	9
1281	Carrier-free nanoparticles of cathepsin B-cleavable peptide-conjugated doxorubicin prodrug for cancer targeting therapy. 2019 , 294, 376-389	65
1280	Repolarization of myeloid derived suppressor cells via magnetic nanoparticles to promote radiotherapy for glioma treatment. 2019 , 16, 126-137	27
1279	Near-infrared AIEgens as transformers to enhance tumor treatment efficacy with controllable self-assembled redox-responsive carrier-free nanodrug. 2019 , 193, 12-21	51
1278	Membrane Wrapping Efficiency of Elastic Nanoparticles during Endocytosis: Size and Shape Matter. 2019 , 13, 215-228	73
1277	Highly tumor-specific DNA nanostructures discovered by in vivo screening of a nucleic acid cage library and their applications in tumor-targeted drug delivery. 2019 , 195, 1-12	32
1276	Intratumorally Injected Photothermal Agent-Loaded Photodynamic Nanocarriers for Ablation of Orthotopic Melanoma and Breast Cancer. 2019 , 5, 724-739	8

1275	Potential use of aptamers for diagnosis and treatment of pancreatic cancer. 2019 , 27, 853-865	2
1274	Porous platinum nanoparticles as a high-Z and oxygen generating nanozyme for enhanced radiotherapy in vivo. 2019 , 197, 12-19	88
1273	Biodegradable phosphorylcholine-based zwitterionic polymer nanogels with smart charge-conversion ability for efficient inhibition of tumor cells. 2019 , 539, 19-29	29
1272	Perspective: lanthanide-doped upconverting nanoparticles. 2019 , 7, 012004	15
1271	Polymeric Nanomaterials. 2019 , 557-653	12
1270	Role of tumor-derived exosomes in cancer metastasis. 2019 , 1871, 12-19	48
1269	Progress in Tumor-Associated Macrophages: From Bench to Bedside. 2019 , 3, e1800232	7
1268	Nanomedicine in Cancer. 2019 , 67-90	
1267	Programmable Construction of Peptide-Based Materials in Living Subjects: From Modular Design and Morphological Control to Theranostics. 2019 , 31, e1804971	41
1266	Erythrocyte-cancer hybrid membrane-camouflaged melanin nanoparticles for enhancing photothermal therapy efficacy in tumors. 2019 , 192, 292-308	146
1265	Enzyme-Instructed Supramolecular Self-Assembly with Anticancer Activity. 2019 , 31, e1804814	45
1264	Hybrid Nanostructures in Targeted Drug Delivery. 2019 , 139-158	8
1263	Recent Advances in Cell Membrane-Camouflaged Nanoparticles for Cancer Phototherapy. 2019 , 15, e1804105	200
1262	Cancer-targeted and glutathione-responsive micellar carriers for controlled delivery of cabazitaxel. 2019 , 30, 055601	4
1261	A self-illuminating nanoparticle for inflammation imaging and cancer therapy. 2019 , 5, e1802953	93
1260	Smart NIR-Light-Mediated Nanotherapeutic Agents for Enhancing Tumor Accumulation and Overcoming Hypoxia in Synergistic Cancer Therapy.. 2019 , 2, 1225-1232	12
1259	State-of-the-Art and Trends in Synthesis, Properties, and Application of Quantum Dots-Based Nanomaterials. 2019 , 36, 1800302	16
1258	LC-MS/MS study of in vivo fate of hyaluronan polymeric micelles carrying doxorubicin. 2019 , 209, 181-189	8

1257	Pharmacokinetic analysis reveals limitations and opportunities for nanomedicine targeting of endothelial and extravascular compartments of tumours. 2019 , 27, 690-698	12
1256	The Role of Ultrasound-Driven Microbubble Dynamics in Drug Delivery: From Microbubble Fundamentals to Clinical Translation. 2019 , 35, 10173-10191	79
1255	Nuts and Bolts: Microfluidics for the Production of Biomaterials. 2019 , 4, 1800611	8
1254	In vitro vascularized liver and tumor tissue microenvironments on a chip for dynamic determination of nanoparticle transport and toxicity. 2019 , 116, 1201-1219	30
1253	Importance of Polymer Length in Fructose-Based Polymeric Micelles for an Enhanced Biological Activity. 2019 , 52, 477-486	15
1252	Functionalization of AuMSS nanorods towards more effective cancer therapies. 2019 , 12, 719-732	14
1251	PEG-Detachable Polymeric Micelles Self-Assembled from Amphiphilic Copolymers for Tumor-Acidity-Triggered Drug Delivery and Controlled Release. 2019 , 11, 5701-5713	55
1250	Photonic Nanoparticles for Cellular and Tissular Labeling. 2019 , 147-170	
1249	Amphiphilic nanoparticle delivery enhances the anticancer efficacy of a TLR7 ligand via local immune activation. 2019 , 190-191, 111-120	31
1248	Synthesis and characterization of bacteriochlorin loaded magnetic nanoparticles (MNP) for personalized MRI guided photosensitizers delivery to tumor. 2019 , 537, 132-141	23
1247	Chitosan as a stabilizer and size-control agent for synthesis of porous flower-shaped palladium nanoparticles and their applications on photo-based therapies. 2019 , 205, 340-352	37
1246	Folate receptor-targeted liposomal nanocomplex for effective synergistic photothermal-chemotherapy of breast cancer in vivo. 2019 , 173, 539-548	42
1245	Multiplex Three-Dimensional Mapping of Macromolecular Drug Distribution in the Tumor Microenvironment. 2019 , 18, 213-226	20
1244	Nanomedicine and macroscale materials in immuno-oncology. 2019 , 48, 351-381	91
1243	Polymer-drug conjugate therapeutics: advances, insights and prospects. 2019 , 18, 273-294	360
1242	Near-infrared excited cooperative upconversion in luminescent Ytterbium(II)bioprobes as light-responsive theranostic agents. 2019 , 163, 546-559	16
1241	A multifunctional drug nanocarrier for efficient anticancer therapy. 2019 , 294, 154-164	17
1240	Bioreducible Zinc(II)-Dipicolylamine Functionalized Hyaluronic Acid Mediates Safe siRNA Delivery and Effective Glioblastoma RNAi Therapy.. 2019 , 2, 362-369	7

1239	Fluorescent, Recombinant-Protein-Conjugated, Near-Infrared-Emitting Quantum Dots for in Vitro and in Vivo Dual-Color Molecular Imaging. 2019 , 20, 568-575	6
1238	Fluorescence Guided Sentinel Lymph Node Mapping: From Current Molecular Probes to Future Multimodal Nanoprobes. 2019 , 30, 13-28	28
1237	Nanoscale Bacteria-Enabled Autonomous Drug Delivery System (NanoBEADS) Enhances Intratumoral Transport of Nanomedicine. 2019 , 6, 1801309	55
1236	Graphene Quantum Dots-Mediated Theranostic Penetrative Delivery of Drug and Photolytics in Deep Tumors by Targeted Biomimetic Nanosponges. 2019 , 19, 69-81	60
1235	Exploiting Nanomaterial-mediated Autophagy for Cancer Therapy. 2019 , 3, 1800365	14
1234	The Human In Vivo Biomolecule Corona onto PEGylated Liposomes: A Proof-of-Concept Clinical Study. 2019 , 31, e1803335	68
1233	Physiologically Based Pharmacokinetic Modeling of Nanoparticles. 2019 , 108, 58-72	71
1232	Design strategies for chemical-stimuli-responsive programmable nanotherapeutics. 2019 , 24, 129-147	22
1231	Thermoresponsive polymer nanocarriers for biomedical applications. 2019 , 138, 167-192	146
1230	ROS-sensitive thioketal-linked polyphosphoester-doxorubicin conjugate for precise phototriggered locoregional chemotherapy. 2019 , 188, 74-82	98
1229	Artificial Phospholipids and Their Vesicles. 2019 , 35, 10223-10232	9
1228	Photothermal therapy and photoacoustic imaging via nanotheranostics in fighting cancer. 2019 , 48, 2053-2108	1212
1227	Protein-based nanoparticles in cancer vaccine development. 2019 , 15, 164-174	69
1226	Phage-displayed peptides targeting specific tissues and organs. 2019 , 27, 555-565	14
1225	Nanomaterials in microfluidics for disease diagnosis and therapy development. 2019 , 34, 92-116	15
1224	Plasmonic Nanoparticles with Supramolecular Recognition. 2020 , 30, 1902082	36
1223	Surface engineering and applications of nanodiamonds in cancer treatment and imaging. 2020 , 65, 189-225	24
1222	Harnessing the immune system to fight cancer with Toll-like receptor and RIG-I-like receptor agonists. 2020 , 154, 104192	19

1221	Clinical applications of nanomedicine in cancer therapy. 2020 , 25, 107-125	46
1220	Rationally Designed Antibody Drug Conjugates Targeting the Breast Cancer-Associated Endothelium. 2020 , 6, 2563-2569	6
1219	Targeting peptide-decorated biomimetic lipoproteins improve deep penetration and cancer cells accessibility in solid tumor. 2020 , 10, 529-545	18
1218	Gemcitabine loaded autologous exosomes for effective and safe chemotherapy of pancreatic cancer. 2020 , 101, 519-530	85
1217	Discovering pH triggered charge rebound surface modulated topical nanotherapy against aggressive skin papilloma. 2020 , 107, 110263	4
1216	Near-infrared light-triggered degradable hyaluronic acid hydrogel for on-demand drug release and combined chemo-photodynamic therapy. 2020 , 229, 115394	30
1215	Gram-scale synthesis of highly biocompatible and intravenous injectable hafnium oxide nanocrystal with enhanced radiotherapy efficacy for cancer theranostic. 2020 , 226, 119538	26
1214	2D Layered Double Hydroxide Nanoparticles: Recent Progress toward Preclinical/Clinical Nanomedicine. 2020 , 4, 1900343	59
1213	Materials for Immunotherapy. 2020 , 32, e1901633	78
1212	Uniformly sized hollow microspheres loaded with polydopamine nanoparticles and doxorubicin for local chemo-photothermal combination therapy. 2020 , 379, 122317	29
1211	Multifunctional nanoplatforms for subcellular delivery of drugs in cancer therapy. 2020 , 107, 100599	88
1210	Galactose-modified enzymatic synthesis of poly(amino-co-ester) micelles for co-delivery miR122 and sorafenib to inhibit hepatocellular carcinoma development. 2020 , 31, 1173-1177	21
1209	Time-resolved characterization of the mechanisms of toxicity induced by silica and amino-modified polystyrene on alveolar-like macrophages. 2020 , 94, 173-186	5
1208	Improving cancer therapy through the nanomaterials-assisted alleviation of hypoxia. 2020 , 228, 119578	82
1207	Nanoparticles for multimodal antivasular therapeutics: Dual drug release, photothermal and photodynamic therapy. 2020 , 101, 459-468	34
1206	PEGylated MoS quantum dots for traceable and pH-responsive chemotherapeutic drug delivery. 2020 , 185, 110590	22
1205	Nanoparticles for Manipulation of the Developmental Wnt, Hedgehog, and Notch Signaling Pathways in Cancer. 2020 , 48, 1864-1884	7
1204	Graphene quantum dots-decorated hollow copper sulfide nanoparticles for controlled intracellular drug release and enhanced photothermal-chemotherapy. 2020 , 55, 1184-1197	21

1203	Sustained release of arsenic trioxide benefits interventional therapy on rabbit VX2 liver tumor. 2020 , 24, 102118	6
1202	Photoactive Nanocarriers for Controlled Delivery. 2020 , 30, 1903896	24
1201	Glycogen as a Building Block for Advanced Biological Materials. 2020 , 32, e1904625	21
1200	Critical considerations for targeting colorectal liver metastases with nanotechnology. 2020 , 12, e1588	10
1199	Delivery of Nanoparticle-Based Radiosensitizers for Radiotherapy Applications. 2019 , 21,	32
1198	Long-circulating zein-polysulfobetaine conjugate-based nanocarriers for enhancing the stability and pharmacokinetics of curcumin. 2020 , 109, 110636	13
1197	Genetic Encoding of Targeted Magnetic Resonance Imaging Contrast Agents for Tumor Imaging. 2020 , 9, 392-401	6
1196	Targeted degradation of anaplastic lymphoma kinase by gold nanoparticle-based multi-headed proteolysis targeting chimeras. 2020 , 188, 110795	15
1195	Nanomedicine Therapies. 2020 , 373-400	
1194	Hypoxia-induced activity loss of a photo-responsive microtubule inhibitor azobenzene combretastatin A4. 2020 , 14, 880-888	11
1193	Endosomal escape of protein nanoparticles engineered through humanized histidine-rich peptides. 2020 , 63, 644-653	11
1192	Construction and application of targeted drug delivery system based on hyaluronic acid and heparin functionalised carbon dots. 2020 , 188, 110768	21
1191	Design, Synthesis, and Characterization of a Paclitaxel Formulation Activated by Extracellular MMP9. 2020 , 31, 781-793	2
1190	"Off/on" fluorescence imaging-guided cancer diagnosis and multi-modal therapy. 2020 , 8, 1442-1454	0
1189	Emerging Prospects for Nanoparticle-Enabled Cancer Immunotherapy. 2020 , 2020, 9624532	18
1188	Emerging well-tailored nanoparticulate delivery system based on in situ regulation of the protein corona. 2020 , 320, 1-18	24
1187	Engineering the Orientation, Density, and Flexibility of Single-Domain Antibodies on Nanoparticles To Improve Cell Targeting. 2020 , 12, 5593-5600	18
1186	Differential Nanoparticle Sequestration by Macrophages and Scavenger Endothelial Cells Visualized in Real-Time and at Ultrastructural Resolution. 2020 , 14, 1665-1681	36

1185	Principles and Applications of Biological Membrane Organization. 2020 , 49, 19-39	11
1184	Hydrogel-Based Controlled Drug Delivery for Cancer Treatment: A Review. 2020 , 17, 373-391	49
1183	Corona of Thorns: The Surface Chemistry-Mediated Protein Corona Perturbs the Recognition and Immune Response of Macrophages. 2020 , 12, 1997-2008	50
1182	Progress toward Safe Tumor Diagnosis and Therapy via Degradable Inorganic Nanomaterials Constructed with Metabolically Safe Elements. 2020 , 3, 1028-1042	2
1181	Tale of Two Magnets: An Advanced Magnetic Targeting System. 2020 , 14, 7-11	22
1180	Recent Advances in the Design of Self-Delivery Amphiphilic Drugs and Vaccines. 2020 , 3, 1900107	0
1179	Precise Size-Selective Sieving of Nanoparticles Using a Highly Oriented Two-Dimensional Supramolecular Polymer. 2020 , 132, 4870-4875	
1178	Precise Size-Selective Sieving of Nanoparticles Using a Highly Oriented Two-Dimensional Supramolecular Polymer. 2020 , 59, 4840-4845	9
1177	Strategies To Design and Synthesize Polymer-Based Stimuli-Responsive Drug-Delivery Nanosystems. 2020 , 21, 1236-1253	28
1176	Indium-111 labelling of liposomal HEGF for radionuclide delivery via ultrasound-induced cavitation. 2020 , 319, 222-233	3
1175	Renal Clearable Theranostic Nanoplatfoms for Gastrointestinal Stromal Tumors. 2020 , 32, e1905899	12
1174	Multimodal Multiplexed Immunoimaging with Nanostars to Detect Multiple Immunomarkers and Monitor Response to Immunotherapies. 2020 , 14, 651-663	22
1173	Polymer nanocarriers for MicroRNA delivery. 2020 , 137, 48651	16
1172	Cancer-Targeted Nanomedicine: Overcoming the Barrier of the Protein Corona. 2020 , 3, 1900124	35
1171	Multimodality labeling strategies for the investigation of nanocrystalline cellulose biodistribution in a mouse model of breast cancer. 2020 , 80-81, 1-12	8
1170	Extracellular blebs: Artificially-induced extracellular vesicles for facile production and clinical translation. 2020 , 177, 135-145	12
1169	Increasing Photothermal Efficacy by Simultaneous Intra- and Intermolecular Fluorescence Quenching. 2020 , 30, 1908073	27
1168	Reactive-ester derived polymer nanogels for cancer immunotherapy. 2020 , 124, 109481	9

1167	Rituximab conjugated iron oxide nanoparticles for targeted imaging and enhanced treatment against CD20-positive lymphoma. 2020 , 8, 895-907	9
1166	Tumor uptake and associated greater efficacy of anti-Her2 immunoliposome does not rely on Her2 expression status: study of a docetaxel-trastuzumab immunoliposome on Her2+ breast cancer model (SKBR3). 2020 , 31, 463-472	5
1165	Clothing spiny nanoprobe against the mononuclear phagocyte system clearance in vivo: Photoacoustic diagnosis and photothermal treatment of early stage liver cancer with erythrocyte membrane-camouflaged gold nanostars. 2020 , 18, 100484	15
1164	Metal-Organic Frameworks as a Theranostic NanoplatforM for Combinatorial Chemophotothermal Therapy Adapted to Different Administration. 2020 , 6, 1008-1016	13
1163	Targeting and imaging of monocyte-derived macrophages in rat's injured artery following local delivery of liposomal quantum dots. 2020 , 318, 145-157	6
1162	pH-Driven Targeting Nanoprobe with Dual-Responsive Drug Release for Persistent Luminescence Imaging and Chemotherapy of Tumor. 2020 , 92, 1179-1188	21
1161	Ionizing radiation attracts tumor targeting and apoptosis by radiotropic lysyl oxidase traceable nanoparticles. 2020 , 24, 102141	6
1160	Disassembly of Nanospheres with a PEG Shell upon Adsorption onto PEGylated Substrates. 2020 , 36, 232-241	1
1159	-Cyclooctene-Functionalized PeptoBrushes with Improved Reaction Kinetics of the Tetrazine Ligation for Pretargeted Nuclear Imaging. 2020 , 14, 568-584	25
1158	Biodegradable zwitterionic polymer membrane coating endowing nanoparticles with ultra-long circulation and enhanced tumor photothermal therapy. 2020 , 231, 119680	47
1157	The blood-brain barrier and blood-tumour barrier in brain tumours and metastases. 2020 , 20, 26-41	395
1156	Anticancer Activity of ZnO Nanoparticles against Human Small-Cell Lung Cancer in an Orthotopic Mouse Model. 2020 , 19, 502-512	41
1155	Silver Prussian Blue Analogue Nanoparticles: Rationally Designed Advanced Nanomedicine for Multifunctional Biomedical Applications. 2020 , 6, 690-704	23
1154	Nanostructured Architectures for Biomolecular Detection inside and outside the Cell. 2020 , 30, 1907701	12
1153	Renal clearance of polymeric nanoparticles by mimicry of glycan surface of viruses. 2020 , 230, 119643	16
1152	Recent advance in delivery system and tissue engineering applications of chondroitin sulfate. 2020 , 230, 115650	42
1151	Enhanced cellular uptake and nuclear accumulation of drug-peptide nanomedicines prepared by enzyme-instructed self-assembly. 2020 , 317, 109-117	44
1150	Virus like particles: fundamental concepts, biological interactions, and clinical applications. 2020 , 153-174	4

1149	Polymeric Nanoparticles. 2020 , 303-324	14
1148	Hot In Plasmonics: Temperature-Related Concepts and Applications of Metal Nanostructures. 2020 , 8, 1901166	43
1147	Perspective: Computational Nanobiosensing. 2020 , 19, 267-269	4
1146	Size-Dependent EPR Effect of Polymeric Nanoparticles on Tumor Targeting. 2020 , 9, e1901223	129
1145	Nanotechnology and drug delivery. 2020 , 197-219	4
1144	Cancer Immunoimaging with Smart Nanoparticles. 2020 , 38, 388-403	26
1143	Aptamer-conjugated mesoporous silica nanoparticles for simultaneous imaging and therapy of cancer. 2020 , 123, 115759	22
1142	Mesoporous Silica Container Particles: New Approaches and New Opportunities. 2020 , 82, 479-501	2
1141	Active Transportation of Liposome Enhances Tumor Accumulation, Penetration, and Therapeutic Efficacy. 2020 , 16, e2004172	32
1140	DNA Nanostructures and DNA-Functionalized Nanoparticles for Cancer Theranostics. 2020 , 7, 2001669	22
1139	Protein corona: Dr. Jekyll and Mr. Hyde of nanomedicine. 2020 ,	4
1138	LCST polymers: Thermoresponsive nanostructured assemblies towards bioapplications. 2020 , 211, 123146	28
1137	DNA-nanoparticle interactions: Formation of a DNA corona and its effects on a protein corona. 2020 , 15, 051006	4
1136	Polymer Capsules with Hydrophobic Liquid Cores as Functional Nanocarriers. 2020 , 12,	11
1135	Strategies to improve the photothermal capacity of gold-based nanomedicines. 2020 , 116, 105-137	20
1134	Polymeric micelles for the delivery of poorly soluble drugs: From nanoformulation to clinical approval. 2020 , 156, 80-118	81
1133	Targeted self-activating Au-Fe ₃ O ₄ composite nanocatalyst for enhanced precise hepatocellular carcinoma therapy via dual nanozyme-catalyzed cascade reactions. 2020 , 21, 100827	13
1132	Nanocomposite hydrogel with NIR/magnet/enzyme multiple responsiveness to accurately manipulate local drugs for on-demand tumor therapy. 2020 , 262, 120357	23

1131	Analyzing the mechanisms of iron oxide nanoparticles interactions with cells: A road from failure to success in clinical applications. 2020 , 328, 59-77	31
1130	Cytopharmaceuticals: An emerging paradigm for drug delivery. 2020 , 328, 313-324	11
1129	A systematic review of the biodistribution of biomimetic high-density lipoproteins in mice. 2020 , 328, 792-804	6
1128	Computer Modeling of Drug Delivery with Thermosensitive Liposomes in a Realistic Three-Dimensional Geometry. 2020 , 2020, 5021-5024	
1127	Cellular senescence in cancer: from mechanisms to detection. 2021 , 15, 2634-2671	18
1126	Synthesis, Characterization and Anti-Cancer Therapeutic Potential of Withanolide-A with 20nm sAuNPs Conjugates Against SKBR3 Breast Cancer Cell Line. 2020 , 15, 6649-6658	7
1125	Advances in drug delivery technology for the treatment of glioblastoma multiforme. 2020 , 328, 350-367	25
1124	Direct Transfer of Mesoporous Silica Nanoparticles between Macrophages and Cancer Cells. 2020 , 12,	5
1123	Mesoporous Silica Nanoparticles as Theranostic Antitumoral Nanomedicines. 2020 , 12,	14
1122	Recent advances of morphology adaptive nanomaterials for anti-cancer drug delivery. 2020 , 30, 555-566	7
1121	Above and Beyond Cancer Therapy: Translating Biomaterials into the Clinic. 2020 , 6, 730-732	3
1120	Interrogation of Folic Acid-Functionalized Nanomedicines: The Regulatory Roles of Plasma Proteins Reexamined. 2020 , 14, 14779-14789	26
1119	Clinical failure of nanoparticles in cancer: mimicking nature's solutions. 2020 , 15, 2311-2324	4
1118	Biomineralization: An Opportunity and Challenge of Nanoparticle Drug Delivery Systems for Cancer Therapy. 2020 , 9, e2001117	12
1117	Tumor-Targeting Glycol Chitosan Nanoparticles for Cancer Heterogeneity. 2020 , 32, e2002197	31
1116	Compositional inhomogeneity of drug delivery liposomes quantified at the single liposome level. 2020 , 118, 207-214	4
1115	Aptamer-Mediated Nanotheranostics for Cancer Treatment: A Review. 2020 , 3, 9542-9559	15
1114	Tumor Noninvasive and Target Embolization Therapy Platform by Intravenous Injection Based on Acidic Microenvironment-Responsive Hyperbranched Poly(amino acid)s. 2020 , 6, 1977-1986	3

1113	A low-intensity focused ultrasound-assisted nanocomposite for advanced triple cancer therapy: local chemotherapy, therapeutic extracellular vesicles and combined immunotherapy. 2020 , 8, 6703-6717	5
1112	Emerging Prospects of Exosomes for Cancer Treatment: From Conventional Therapy to Immunotherapy. 2020 , 32, e2002440	60
1111	Nano-therapeutics for modulating the tumour microenvironment: Design, development, and clinical translation. 2020 , 327, 512-532	21
1110	Biomimetic Mesoporous Silica Nanoparticles for Enhanced Blood Circulation and Cancer Therapy.. 2020 , 3, 7849-7857	10
1109	Tumor-Activated and Metal-Organic Framework Assisted Self-Assembly of Organic Photosensitizers. 2020 , 14, 13056-13068	15
1108	What Went Wrong with Anticancer Nanomedicine Design and How to Make It Right. 2020 , 14, 12281-12290	61
1107	Light-triggered switching of liposome surface charge directs delivery of membrane impermeable payloads in vivo. 2020 , 11, 3638	28
1106	Histone methyltransferase G9a inhibitor-loaded redox-responsive nanoparticles for pancreatic ductal adenocarcinoma therapy. 2020 , 12, 15767-15774	4
1105	An Amphiphilic Micromolecule Self-Assembles into Vesicles for Visualized and Targeted Drug Delivery. 2020 , 11, 1562-1566	1
1104	Tumor-Targeting Glycol Chitosan Nanoparticles for Image-Guided Surgery of Rabbit Orthotopic VX2 Lung Cancer. 2020 , 12,	8
1103	-Alkylisatin-Loaded Liposomes Target the Urokinase Plasminogen Activator System in Breast Cancer. 2020 , 12,	4
1102	A reanalysis of nanoparticle tumor delivery using classical pharmacokinetic metrics. 2020 , 6, eaay9249	32
1101	Genotoxic and Cytotoxic Activities of Lantadene A-Loaded Gold Nanoparticles (LA-AuNPS) in MCF-7 Cell Line: An Assessment. 2020 , 39, 422-432	1
1100	A Strategy to Fight against Triple-Negative Breast Cancer: pH-Responsive Hexahistidine-Metal Assemblies with High-Payload Drugs.. 2020 , 3, 5331-5341	6
1099	Light-Triggered Trafficking to the Cell Nucleus of a Cationic Polyamidoamine Functionalized with Ruthenium Complexes. 2020 , 12, 34576-34587	3
1098	Fast processes of nanoparticle blood clearance: Comprehensive study. 2020 , 326, 181-191	24
1097	Functionalization of Magnetic Nanowires for Active Targeting and Enhanced Cell-Killing Efficacy.. 2020 , 3, 4789-4797	6
1096	Nanobiohybrids: A Synergistic Integration of Bacteria and Nanomaterials in Cancer Therapy. 2020 , 1, 25-36	17

1095	Development of injectable thermosensitive polypeptide hydrogel as facile radioisotope and radiosensitizer hotspot for synergistic brachytherapy. 2020 , 114, 133-145	7
1094	Ultrabright Fluorescent Polymeric Nanoparticles with a Stealth Pluronic Shell for Live Tracking in the Mouse Brain. 2020 , 14, 9755-9770	26
1093	Pluronic-based nanovehicles: Recent advances in anticancer therapeutic applications. 2020 , 206, 112526	13
1092	Hyperthermia can alter tumor physiology and improve chemo- and radio-therapy efficacy. 2020 , 163-164, 98-124	32
1091	Implantable fibrous scaffold with hierarchical microstructure for the in-situ synergistic cancer therapy. 2020 , 402, 126204	10
1090	Drug Delivery Systems. 2020 , 1237-1266	5
1089	Biomedical engineering approaches to enhance therapeutic delivery for malignant glioma. 2020 , 328, 917-931	10
1088	Recent Developments in Pathological pH-Responsive Polymeric Nanobiosensors for Cancer Theranostics. 2020 , 8, 601586	2
1087	Enhanced Cancer-targeted Drug Delivery Using Precoated Nanoparticles. 2020 , 20, 8903-8911	18
1086	Just dose it. 2020 , 19, 1257-1258	4
1085	Endocytosis and Organelle Targeting of Nanomedicines in Cancer Therapy. 2020 , 15, 9447-9467	14
1084	Effect of Zinc Supplementation on the Serum Metabolites Profile at the Early Stage of Breast Cancer in Rats. 2020 , 12,	5
1083	Nanomaterials for Cardiac Tissue Engineering. 2020 , 25,	13
1082	Biocatalytic Hybrid Films Self-Assembled from Carbohydrate Block Copolymers and Polysaccharides for Enzyme Prodrug Therapy.. 2020 , 3, 8865-8871	1
1081	Furin-responsive triterpenine-based liposomal complex enhances anticervical cancer therapy through size modulation. 2020 , 27, 1608-1624	2
1080	Aptamer-Functionalized Nanoparticles in Targeted Delivery and Cancer Therapy. 2020 , 21,	28
1079	Cisplatin Prodrug-Loaded Nanoparticles Based on Physalis Mottle Virus for Cancer Therapy. 2020 , 17, 4629-4636	5
1078	Nanotechnology-Based Targeting of mTOR Signaling in Cancer. 2020 , 15, 5767-5781	5

1077	Next-Generation Polymeric Nanomedicines for Oncology: Perspectives and Future Directions. 2020 , 41, e2000319	8
1076	Batch and microfluidic reactors in the synthesis of enteric drug carriers. 2020 , 317-357	0
1075	Modulation of the lifespan of by the controlled release of nitric oxide. 2020 , 11, 8785-8792	3
1074	Design of Targeted Nanostructured Coordination Polymers (NCPs) for Cancer Therapy. 2020 , 25,	7
1073	Exploiting molecular probes to perform near-infrared fluorescence-guided surgery. 2020 , 1, 20200068	12
1072	Improving Cancer Immunotherapy by Cell Membrane-Camouflaged Nanoparticles. 2020 , 30, 2004397	63
1071	Fluorescent labeling of plasmid DNA for gene delivery: Implications of dye hydrophobicity on labeling efficiencies and nanoparticle size. 2020 , 113895	
1070	The Biomolecular Corona of Lipid Nanoparticles for Gene Therapy. 2020 , 31, 2046-2059	30
1069	The dose threshold for nanoparticle tumour delivery. 2020 , 19, 1362-1371	106
1068	Ag/Au Bimetallic Nanoparticles Inhibit Tumor Growth and Prevent Metastasis in a Mouse Model. 2020 , 15, 6019-6032	8
1067	Injectable in situ forming thermo-responsive graphene based hydrogels for cancer chemo-photothermal therapy and NIR light-enhanced antibacterial applications. 2020 , 117, 111294	33
1066	Nanopharmaceuticals: A focus on their clinical translatability. 2020 , 578, 119098	31
1065	Biomolecular Corona Affects Controlled Release of Drug Payloads from Nanocarriers. 2020 , 41, 641-652	15
1064	Heterogeneous partition of cellular blood-borne nanoparticles through microvascular bifurcations. 2020 , 102, 013310	10
1063	Engineering Intelligent Nanosystems for Enhanced Medical Imaging. 2020 , 2, 2000087	18
1062	Nuclear imaging approaches facilitating nanomedicine translation. 2020 , 154-155, 123-141	22
1061	Specific targeting of ovarian tumor-associated macrophages by large, anionic nanoparticles. 2020 , 117, 19737-19745	9
1060	Emerging Adjuvants for Cancer Immunotherapy. 2020 , 8, 601	14

1059	Peptide Spiders: Peptide-Polymer Conjugates to Traffic Nucleic Acids. 2020 , 17, 3633-3642	2
1058	Immune cells as tumor drug delivery vehicles. 2020 , 327, 70-87	25
1057	Molecularly Imprinted Polymers: Antibody Mimics for Bioimaging and Therapy. 2020 , 120, 9554-9582	116
1056	Plasma polymerized nanoparticles effectively deliver dual siRNA and drug therapy in vivo. 2020 , 10, 12836	3
1055	Effect of endothelial cell heterogeneity on nanoparticle uptake. 2020 , 587, 119699	2
1054	Tumor-Microenvironment-on-a-Chip for Evaluating Nanoparticle-Loaded Macrophages for Drug Delivery. 2020 , 6, 5040-5050	8
1053	Doxorubicin-loaded CuS/Tween-20 nanocomposites for light-triggered tumor photothermal therapy and chemotherapy.. 2020 , 10, 26059-26066	3
1052	The MUDENG Augmentation: A Genesis in Anti-Cancer Therapy?. 2020 , 21,	4
1051	Synthesis of Radioluminescent CaF:Ln Core, Mesoporous Silica Shell Nanoparticles for Use in X-ray Based Theranostics. 2020 , 10,	2
1050	Nanomedicine Revisited: Next Generation Therapies for Brain Cancer. 2020 , 3, 2000118	6
1049	Electrostatic Conjugation of Nanoparticle Surfaces with Functional Peptide Motifs. 2020 , 31, 2211-2219	8
1048	Trojan horse monocyte-mediated delivery of conjugated polymer nanoparticles for improved photodynamic therapy of glioblastoma. 2020 , 15, 1687-1707	20
1047	Facile synthesis of biocompatible L-cysteine-modified MoS nanospheres with high photothermal conversion efficiency for photothermal therapy of tumor. 2020 , 117, 111371	15
1046	Therapeutic Manipulation of Macrophages Using Nanotechnological Approaches for the Treatment of Osteoarthritis. 2020 , 10,	7
1045	Protein-coated corrole nanoparticles for the treatment of prostate cancer cells. 2020 , 6, 67	8
1044	Nanomaterials for Autophagy-Related miRNA-34a Delivery in Cancer Treatment. 2020 , 11, 1141	9
1043	Upconverting Nanocarriers Enable Triggered Microtubule Inhibition and Concurrent Ferroptosis Induction for Selective Treatment of Triple-Negative Breast Cancer. 2020 , 20, 6235-6245	32
1042	Implications of the Human Gut-Brain and Gut-Cancer Axes for Future Nanomedicine. 2020 , 14, 14391-14416	13

1041	Parameters and Strategies to Overcome Barriers to Systemic Delivery. 2020 , 447-475	1
1040	Comparison of the uptake mechanisms of zwitterionic and negatively charged liposomes by HeLa cells. 2020 , 30, 102300	6
1039	Issues affecting nanomedicines on the way from the bench to the market. 2020 , 8, 10681-10685	4
1038	Co-delivery of paclitaxel and anti-VEGF siRNA by tripeptide lipid nanoparticle to enhance the anti-tumor activity for lung cancer therapy. 2020 , 27, 1397-1411	9
1037	Enhanced In Vitro Magnetic Cell Targeting of Doxorubicin-Loaded Magnetic Liposomes for Localized Cancer Therapy. 2020 , 10,	4
1036	Metadata Stewardship in Nanosafety Research: Community-Driven Organisation of Metadata Schemas to Support FAIR Nanoscience Data. 2020 , 10,	22
1035	Hepatic impacts of gold nanoparticles with different surface coatings as revealed by assessing the hepatic drug-metabolizing enzyme and lipid homeostasis in mice. 2020 , 20, 100259	4
1034	Person-Specific Biomolecular Coronas Modulate Nanoparticle Interactions with Immune Cells in Human Blood. 2020 , 14, 15723-15737	20
1033	Robust and smart polypeptide-based nanomedicines for targeted tumor therapy. 2020 , 160, 199-211	18
1032	Localized nanotheranostics: recent developments in cancer nanomedicine. 2020 , 8, 100087	14
1031	Deep Tumor Penetration of Doxorubicin-Loaded Glycol Chitosan Nanoparticles Using High-Intensity Focused Ultrasound. 2020 , 12,	6
1030	Imaging of Cell Migration Mediated Exocytosis with Gold Nanoprobes. 2020 , 48, 847-854	
1029	Prediction of Kinetically Stable Nanotheranostic Superstructures: Integral of First-Passage Times from Constrained Simulations. 2020 , 21, 5008-5020	0
1028	Bioactive Natural Small Molecule-Tuned Coassembly of Photosensitive Drugs for Highly Efficient Synergistic and Enhanced Type I Photochemotherapy. 2020 , 12, 43488-43500	9
1027	Multifunctional nanobubbles carrying indocyanine green and paclitaxel for molecular imaging and the treatment of prostate cancer. 2020 , 18, 121	6
1026	Regulating Interactions Between Targeted Nanocarriers and Mononuclear Phagocyte System via an Esomeprazole-Based Preconditioning Strategy. 2020 , 15, 6385-6399	3
1025	Developments of Smart Drug-Delivery Systems Based on Magnetic Molecularly Imprinted Polymers for Targeted Cancer Therapy: A Short Review. 2020 , 12,	20
1024	Construction of Smart Manganese Dioxide-Based All-in-One Nanoplatform for Cancer Diagnosis and Therapy. 2020 , 4, 2000566	22

1023	Destruction of Fibroadenomas Using Photothermal Heating of Fe ₃ O ₄ Nanoparticles: Experiments and Models. 2020 , 10, 5844		0
1022	Rationally Designed DNA Nanostructures for Drug Delivery. 2020 , 8, 751		13
1021	Investigating the Effect of Aging on the Pharmacokinetics and Tumor Delivery of Nanomaterials using Mathematical Modeling. 2020 , 2020, 2447-2450		2
1020	Exploiting nanoscale cooperativity for precision medicine. 2020 , 158, 63-72		8
1019	Cancer-specific drug-drug nanoparticles of pro-apoptotic and cathepsin B-cleavable peptide-conjugated doxorubicin for drug-resistant cancer therapy. 2020 , 261, 120347		29
1018	Zwitterionic Polypeptide-Based Nanodrug Augments pH-Triggered Tumor Targeting Prolonging Circulation Time and Accelerating Cellular Internalization. 2020 , 12, 46639-46652		8
1017	Poly- γ -glutamic acid derived nanopolyplexes for up-regulation of gamma-glutamyl transpeptidase to augment tumor active targeting and enhance synergistic antitumor therapy by regulating intracellular redox homeostasis. 2020 , 8, 5955-5968		1
1016	Metabolic characterisation of MSR-1 using LC-MS-based metabolite profiling.. 2020 , 10, 32548-32560		4
1015	Synthetic amorphous silica nanoparticles: toxicity, biomedical and environmental implications. <i>Nature Reviews Materials</i> , 2020 , 5, 886-909	73-3	69
1014	Tumor Microenvironment Cascade-Responsive Nanodrug with Self-Targeting Activation and ROS Regeneration for Synergistic Oxidation-Chemotherapy. 2020 , 12, 182		20
1013	Europium-Diethylenetriaminepentaacetic Acid Loaded Radioluminescence Liposome Nanoplatfom for Effective Radioisotope-Mediated Photodynamic Therapy. 2020 , 14, 13004-13015		15
1012	Immunostimulatory biomaterials to boost tumor immunogenicity. 2020 , 8, 5516-5537		2
1011	Antibody Conjugation of Nanoparticles as Therapeutics for Breast Cancer Treatment. 2020 , 21,		15
1010	Structural Polymorphism of Single pDNA Condensates Elicited by Cationic Block Polyelectrolytes. 2020 , 12,		1
1009	Peptides, proteins and nanotechnology: a promising synergy for breast cancer targeting and treatment. 2020 , 17, 1597-1613		9
1008	Advances in Gold Nanoparticle-Based Combined Cancer Therapy. 2020 , 10,		26
1007	Engineering Macrophages for Cancer Immunotherapy and Drug Delivery. 2020 , 32, e2002054		140
1006	It all comes down to the dose. <i>Nature Reviews Materials</i> , 2020 , 5, 728-728	73-3	2

1005	Nanoparticle delivery in vivo: A fresh look from intravital imaging. 2020 , 59, 102958	7
1004	100th Anniversary of Macromolecular Science Viewpoint: Biological Stimuli-Sensitive Polymer Prodrugs and Nanoparticles for Tumor-Specific Drug Delivery. 2020 , 9, 1292-1302	18
1003	Precisely Regulated Luminescent Gold Nanoparticles for Identification of Cancer Metastases. 2020 , 14, 13975-13985	16
1002	Combination Therapy with Doxorubicin-Loaded Reduced Albumin Nanoparticles and Focused Ultrasound in Mouse Breast Cancer Xenografts. 2020 , 13,	5
1001	Controlling the Biological Fate of Micellar Nanoparticles: Balancing Stealth and Targeting. 2020 , 14, 13739-13753	5
1000	GLUT1-Targeting and GSH-Responsive DOX/L61 Nanodrug Particles for Enhancing MDR Breast Cancer Therapy. 2020 , 37, 2000165	5
999	Biomedical nanomaterials for immunological applications: ongoing research and clinical trials. 2020 , 2, 5046-5089	16
998	Gold-based therapy: From past to present. 2020 , 117, 22639-22648	34
997	Automated high-content imaging for cellular uptake, from the Schmuck cation to the latest cyclic oligochalcogenides. 2020 , 16, 2007-2016	4
996	Self-Assembling Cyclodextrin-Based Nanoparticles Enhance the Cellular Delivery of Hydrophobic Allicin. 2020 , 68, 11144-11150	5
995	A peptide-drug hydrogel to enhance the anti-cancer activity of chlorambucil. 2020 , 8, 5638-5646	6
994	A combined "eat me/don't eat me" strategy based on extracellular vesicles for anticancer nanomedicine. 2020 , 9, 1806444	43
993	Applications and challenges of thermoplasmonics. 2020 , 19, 946-958	102
992	Ultrasound-Mediated Delivery of Chemotherapy into the Transgenic Adenocarcinoma of the Mouse Prostate Model. 2020 , 46, 3032-3045	4
991	Enzymatic Noncovalent Synthesis. 2020 , 120, 9994-10078	53
990	Enhancing chemotherapy response through augmented synthetic lethality by co-targeting nucleotide excision repair and cell-cycle checkpoints. 2020 , 11, 4124	5
989	The Coppery Age: Copper (Cu)-Involved Nanotheranostics. 2020 , 7, 2001549	41
988	Treatment of Lung Cancer by Peptide-Modified Liposomal Irinotecan Endowed with Tumor Penetration and NF- κ B Inhibitory Activities. 2020 , 17, 3685-3695	4

987	Intelligent Size-Changeable Nanoparticles for Enhanced Tumor Accumulation and Deep Penetration.. 2020 , 3, 5455-5462	10
986	Multifunctional FeO-Au Nanoparticles for the MRI Diagnosis and Potential Treatment of Liver Cancer. 2020 , 10,	13
985	Retooling Cancer Nanotherapeutics' Entry into Tumors to Alleviate Tumoral Hypoxia. 2020 , 16, e2003000	19
984	Selective targeting of cancer signaling pathways with nanomedicines: challenges and progress. 2020 , 16, 2959-2979	12
983	Living, Self-Replicating Ferrofluids for Fluidic Transport. 2020 , 30, 2003912	8
982	Intracellular Fate of Hydrophobic Nanocrystal Self-Assemblies in Tumor Cells. 2020 , 30, 2004274	10
981	Controlled Block Polypeptide Composed of d-Type Amino Acids: A Therapeutics Delivery Platform to Inhibit Biofilm Formation of Drug-Resistant Bacteria.. 2020 , 3, 6343-6350	4
980	Biomimetic Amorphous Titania Nanoparticles as Ultrasound Responding Agents to Improve Cavitation and ROS Production for Sonodynamic Therapy. 2020 , 10, 8479	6
979	Photo-Based Nanomedicines Using Polymeric Systems in the Field of Cancer Imaging and Therapy. 2020 , 8,	4
978	Polydopamine Nanoparticles Camouflaged by Stem Cell Membranes for Synergistic Chemo-Photothermal Therapy of Malignant Bone Tumors. 2020 , 15, 10183-10197	11
977	Disentangling Biomolecular Corona Interactions With Cell Receptors and Implications for Targeting of Nanomedicines. 2020 , 8, 599454	4
976	The VP1u of Human Parvovirus B19: A Multifunctional Capsid Protein with Biotechnological Applications. 2020 , 12,	2
975	In Vivo Computing Strategies for Tumor Sensitization and Targeting. 2020 , PP,	0
974	Size, shape, charge and "stealthy" surface: Carrier properties affect the drug circulation time. 2021 , 16, 444-458	24
973	Mechanism of Coupling Nanoparticle Stiffness with Shape for Endocytosis: From Rodlike Penetration to Wormlike Wriggling. 2020 , 124, 11145-11156	7
972	STING Activator c-di-GMP-Loaded Mesoporous Silica Nanoparticles Enhance Immunotherapy Against Breast Cancer. 2020 , 12, 56741-56752	16
971	Ascorbate Tumor Chemotherapy by An Iron-Engineered Nanomedicine-Catalyzed Tumor-Specific Pro-Oxidation. 2020 , 142, 21775-21785	20
970	Recent Progress in Iron Oxide Nanoparticles as Therapeutic Magnetic Agents for Cancer Treatment and Tissue Engineering.. 2020 , 3, 8172-8187	14

969	Silk Particles as Carriers of Therapeutic Molecules for Cancer Treatment. 2020 , 13,	9
968	Tumor-mesoporous silica nanoparticle interactions following intraperitoneal delivery for targeting peritoneal metastasis. 2020 , 328, 846-858	8
967	Electron-Accepting Micelles Deplete Reduced Nicotinamide Adenine Dinucleotide Phosphate and Impair Two Antioxidant Cascades for Ferroptosis-Induced Tumor Eradication. 2020 , 14, 14715-14730	46
966	Engineering microrobots for targeted cancer therapies from a medical perspective. 2020 , 11, 5618	89
965	Self-Distinguishing and Stimulus-Responsive Carrier-Free Theranostic Nanoagents for Imaging-Guided Chemo-Photothermal Therapy in Small-Cell Lung Cancer. 2020 , 12, 51314-51328	10
964	Mechanisms for Tuning Engineered Nanomaterials to Enhance Radiation Therapy of Cancer. 2020 , 7, 2003584	21
963	Degradation of methoxy-poly (ethylene glycol)-block-poly(ϵ -carboxyl- ϵ -caprolactone)/magnetite nanocomposites in vitro polymer degradation and stability. 2020 , 177, 109191	0
962	Understanding the Uptake of Nanomedicines at Different Stages of Brain Cancer Using a Modular Nanocarrier Platform and Precision Bispecific Antibodies. 2020 , 6, 727-738	18
961	Nanomaterials with active targeting as advanced antimicrobials. 2020 , 12, e1636	13
960	Understanding the synergistic effect of physicochemical properties of nanoparticles and their cellular entry pathways. 2020 , 3, 205	22
959	Superparamagnetic chitosan nanocomplexes for colorectal tumor-targeted delivery of irinotecan. 2020 , 584, 119394	11
958	Design of an innovative platform for the treatment of cerebral tumors by means of erythro-magneto-HA-virosomes. 2020 , 6, 045005	3
957	Sulfoxide-Containing Polymer-Coated Nanoparticles Demonstrate Minimal Protein Fouling and Improved Blood Circulation. 2020 , 7, 2000406	18
956	Engineering the Bio-Nano Interface Using a Multifunctional Coordinating Polymer Coating. 2020 , 53, 1124-1138	21
955	Engineered algae: A novel oxygen-generating system for effective treatment of hypoxic cancer. 2020 , 6, eaba5996	58
954	Simultaneous Intravital Optical and Acoustic Monitoring of Ultrasound-Triggered Nanobubble Generation and Extravasation. 2020 , 20, 4512-4519	14
953	Polyglycerol Grafting Shields Nanoparticles from Protein Corona Formation to Avoid Macrophage Uptake. 2020 , 14, 7216-7226	47
952	Flow Rate Affects Nanoparticle Uptake into Endothelial Cells. 2020 , 32, e1906274	28

951	In Search of Advanced Tumor Diagnostics and Treatment: Achievements and Perspectives of Carbonic Anhydrase IX Targeted Delivery. 2020 , 17, 1800-1815	4
950	Mesoporous Silica-Coated Gold Nanorods with Designable Anchor Peptides for Chemo-Photothermal Cancer Therapy. 2020 , 3, 5070-5078	20
949	Delivery of RNAi-Based Therapeutics for Bone Regeneration. 2020 , 18, 312-324	7
948	A golden time for nanotechnology. 2020 , 45, 387-393	3
947	Biomineralization of Bacteria by a Metal-Organic Framework for Therapeutic Delivery. 2020 , 9, e2000046	17
946	Organ-restricted vascular delivery of nanoparticles for lung cancer therapy. 2020 , 3, 2000017	3
945	Brain Targeted Gold Liposomes Improve RNAi Delivery for Glioblastoma. 2020 , 15, 2809-2828	14
944	Brain tumor vessels-a barrier for drug delivery. 2020 , 39, 959-968	3
943	Influence of the Surface Functionalization on the Fate and Performance of Mesoporous Silica Nanoparticles. 2020 , 10,	27
942	Advances in fluorescent carbon dots for biomedical applications. 2020 , 5, 1758592	17
941	Intelligent micro-/nanorobots as drug and cell carrier devices for biomedical therapeutic advancement: Promising development opportunities and translational challenges. 2020 , 260, 120163	27
940	Nanomedicine to target multidrug resistant tumors. 2020 , 52, 100704	42
939	Extremely Small Iron Oxide Nanoparticle-Encapsulated Nanogels as a Glutathione-Responsive T Contrast Agent for Tumor-Targeted Magnetic Resonance Imaging. 2020 , 12, 26973-26981	24
938	Leveraging Electrostatic Interactions for Drug Delivery to the Joint. 2020 , 2, 82-100	3
937	Large-Scale 3D Optical Mapping and Quantitative Analysis of Nanoparticle Distribution in Tumor Vascular Microenvironment. 2020 , 31, 1784-1794	6
936	Gold nanospheres and nanorods for anti-cancer therapy: comparative studies of fabrication, surface-decoration, and anti-cancer treatments. 2020 , 12, 14996-15020	18
935	Polymeric vehicles for nucleic acid delivery. 2020 , 156, 119-132	39
934	Recent advances in tumor microenvironment associated therapeutic strategies and evaluation models. 2020 , 116, 111229	14

933	Doxorubicin-loading core-shell pectin nanocell: A novel nanovehicle for anticancer agent delivery with multidrug resistance reversal. 2020 , 15, e0235090	6
932	Designed Boron-Rich Polymeric Nanoparticles Based on Nano-ion Pairing for Boron Delivery. 2020 , 26, 14283-14289	5
931	DR5-targeted, chemotherapeutic drug-loaded nanoparticles induce apoptosis and tumor regression in pancreatic cancer in vivo models. 2020 , 324, 610-619	10
930	Minimally Invasive Antitumor Therapy Using Biodegradable Nanocomposite Micellar Hydrogel with Functionalities of NIR-II Photothermal Ablation and Vascular Disruption.. 2020 , 3, 4531-4542	6
929	Platinum-AIEgen coordination complex for imaging-guided annihilation of cisplatin-resistant cancer cells. 2020 , 56, 7785-7788	7
928	Emerging technologies for local cancer treatment. 2020 , 3, 2000027	13
927	Engineering nanoparticles to tackle tumor barriers. 2020 , 8, 6686-6696	4
926	Liposomal nanotheranostics for multimode targeted in vivo bioimaging and near-infrared light mediated cancer therapy. 2020 , 3, 284	20
925	Automation and low-cost proteomics for characterization of the protein corona: experimental methods for big data. 2020 , 412, 6543-6551	8
924	Regulation of pancreatic cancer microenvironment by an intelligent gemcitabine@nanogel system via in vitro 3D model for promoting therapeutic efficiency. 2020 , 324, 545-559	11
923	Targeted Heating of Mitochondria Greatly Augments Nanoparticle-Mediated Cancer Chemotherapy. 2020 , 9, e2000181	6
922	Black phosphorus nanophototherapeutics with enhanced stability and safety for breast cancer treatment. 2020 , 400, 125851	14
921	Cancer nanomedicine meets immunotherapy: opportunities and challenges. 2020 , 41, 954-958	14
920	Superhydrophilic fluorinated polymer and nanogel for high-performance F magnetic resonance imaging. 2020 , 256, 120184	10
919	The molecular design of and challenges relating to sensitizers for cancer sonodynamic therapy. 2020 , 4, 2223-2234	17
918	Comparative study of nanoparticle uptake and impact in murine lung, liver and kidney tissue slices. 2020 , 14, 847-865	5
917	Multimodal Decorations of Mesoporous Silica Nanoparticles for Improved Cancer Therapy. 2020 , 12,	22
916	Targeted Imaging of CD206 Expressing Tumor-Associated M2-like Macrophages Using Mannose-Conjugated Antibiofouling Magnetic Iron Oxide Nanoparticles. 2020 , 3, 4335-4347	10

915	Marriage of black phosphorus and Cu as effective photothermal agents for PET-guided combination cancer therapy. 2020 , 11, 2778	121
914	Translational considerations in nanomedicine: The oncology perspective. 2020 , 158, 140-157	17
913	Multifaceted application of nanoparticle-based labeling strategies for stem cell therapy. 2020 , 34, 100897	6
912	Nanotechnology-Based Histone Deacetylase Inhibitors for Cancer Therapy. 2020 , 8, 400	11
911	Nanoparticle Platforms for Antigen-Specific Immune Tolerance. 2020 , 11, 945	12
910	Clinical cardiovascular medicine and lessons learned from cancer nanotechnology. 2020 , 187-195	
909	Engineering the drug carrier biointerface to overcome biological barriers to drug delivery. 2020 , 167, 89-108	31
908	Killing cancer cells by rupturing their lysosomes. 2020 , 15, 252-253	16
907	Biomaterial-based strategies to prime dendritic cell-mediated anti-cancer immune responses. 2020 , 65, 445-462	12
906	Targeting of Hepatic Macrophages by Therapeutic Nanoparticles. 2020 , 11, 218	38
905	Ultrasound-mediated nanobubble destruction (UMND) facilitates the delivery of VEGFR2-targeted CD-TK-loaded cationic nanobubbles in the treatment of bladder cancer. 2020 , 146, 1415-1426	10
904	Transcatheter Intra-Arterial Infusion Combined with Interventional Photothermal Therapy for the Treatment of Hepatocellular Carcinoma. 2020 , 15, 1373-1385	2
903	Ditelluride-Bridged PEG-PCL Copolymer as Folic Acid-Targeted and Redox-Responsive Nanoparticles for Enhanced Cancer Therapy. 2020 , 8, 156	12
902	The future of drug delivery in cancer treatment. 2020 , 569-597	1
901	Emerging Nano Drug Delivery Systems Targeting Cancer-Associated Fibroblasts for Improved Antitumor Effect and Tumor Drug Penetration. 2020 , 17, 1028-1048	25
900	Efficacy evaluation and mechanism study on inhibition of breast cancer cell growth by multimodal targeted nanobubbles carrying AMD070 and ICG. 2020 , 31, 245102	2
899	Tumor-Specific Chemotherapy by Nanomedicine-Enabled Differential Stress Sensitization. 2020 , 59, 9693-9701	42
898	Development of clinically effective formulations for anticancer applications: why it is so difficult?. 2020 , 599-723	

897	A bioorthogonal system reveals antitumour immune function of pyroptosis. 2020 , 579, 421-426	211
896	In situ conversion of rose bengal microbubbles into nanoparticles for ultrasound imaging guided sonodynamic therapy with enhanced antitumor efficacy. 2020 , 8, 2526-2536	19
895	Pulmonary Administration: Strengthening the Value of Therapeutic Proximity. 2020 , 7, 50	5
894	The success of nanomedicine. 2020 , 31, 100853-100853	39
893	Clinical-grade cryopreserved doxorubicin-loaded platelets: role of cancer cells and platelet extracellular vesicles activation loop. 2020 , 27, 45	14
892	A mathematical model to predict nanomedicine pharmacokinetics and tumor delivery. 2020 , 18, 518-531	27
891	Nanoparticle interactions with immune cells dominate tumor retention and induce T cell-mediated tumor suppression in models of breast cancer. 2020 , 6, eaay1601	63
890	Dynamic core crosslinked camptothecin prodrug micelles with reduction sensitivity and boronic acid-mediated enhanced endocytosis: An intelligent tumor-targeted delivery nanoplatfrom. 2020 , 580, 119250	11
889	Comparative Analysis of Au and Au@SiO Nanoparticle-Protein Interactions for Evaluation as Platforms in Theranostic Applications. 2020 , 5, 6348-6357	1
888	Estimating Tumor Vascular Permeability of Nanoparticles Using an Accessible Diffusive Flux Model. 2020 , 6, 2879-2892	4
887	Synthesis and Analysis of Cu-Labeled GE11-Modified Polymeric Micellar Nanoparticles for EGFR-Targeted Molecular Imaging in a Colorectal Cancer Model. 2020 , 17, 1470-1481	15
886	Targeted tumour theranostics in mice via carbon quantum dots structurally mimicking large amino acids. 2020 , 4, 704-716	111
885	Mitochondrial targeted strategies and their application for cancer and other diseases treatment. 2020 , 50, 271-293	11
884	Mechanistic Understanding of the Biological Responses to Polymeric Nanoparticles. 2020 , 14, 4509-4522	23
883	Critical quality attributes in the development of therapeutic nanomedicines toward clinical translation. 2020 , 10, 766-790	12
882	Tumor microenvironment (TME)-activatable circular aptamer-PEG as an effective hierarchical-targeting molecular medicine for photodynamic therapy. 2020 , 246, 119971	29
881	Tumor-Specific Endogenous Fe-Activated, MRI-Guided Self-Targeting Gadolinium-Coordinated Theranostic Nanoplatfroms for Amplification of ROS and Enhanced Chemodynamic Chemotherapy. 2020 , 12, 14884-14904	22
880	Tumor-Specific Chemotherapy by Nanomedicine-Enabled Differential Stress Sensitization. 2020 , 132, 9780-9788	8

879	Interactions at the cell membrane and pathways of internalization of nano-sized materials for nanomedicine. 2020 , 11, 338-353	45
878	pH-responsive high stability polymeric nanoparticles for targeted delivery of anticancer therapeutics. 2020 , 3, 95	66
877	Temperature-dependent heating efficiency of magnetic nanoparticles for applications in precision nanomedicine. 2020 , 12, 6360-6377	16
876	Biomimetic hybrid membrane-based nanoplatforms: synthesis, properties and biomedical applications. 2020 , 5, 1293-1302	25
875	Charge Reversion Simultaneously Enhances Tumor Accumulation and Cell Uptake of Layered Double Hydroxide Nanohybrids for Effective Imaging and Therapy. 2020 , 16, e2002115	21
874	Soft Mesoporous Organosilica Nanoplatforms Improve Blood Circulation, Tumor Accumulation/Penetration, and Photodynamic Efficacy. 2020 , 12, 137	5
873	Recent Strategies for Targeted Brain Drug Delivery. 2020 , 68, 567-582	7
872	Cell-Mediated Release of Nanoparticles as a Preferential Option for Future Treatment of Melanoma. 2020 , 12,	3
871	Multi-transformable nanocarrier with tumor extracellular acidity-activated charge reversal, size reduction and ligand reemergence for in vitro efficient doxorubicin loading and delivery. 2020 , 116, 111250	3
870	Adenovirus-Mimetic Nanoparticles: Sequential Ligand-Receptor Interplay as a Universal Tool for Enhanced / Cell Identification. 2020 , 12, 34689-34702	7
869	Clinical Translation of Nanomedicine and Biomaterials for Cancer Immunotherapy: Progress and Perspectives. 2020 , 3, 1900215	40
868	The Immunoprobe Aggregation State is Central to Dipstick Immunoassay Performance. 2020 , 12, 34620-34629	7
867	A dendronized polymer variant that facilitates safe delivery of a calcium channel antagonist to the heart. 2020 , 29, 102264	1
866	Nanomedicine in Non-Small Cell Lung Cancer: From Conventional Treatments to Immunotherapy. 2020 , 12,	11
865	Cellular Interactions of Liposomes and PISA Nanoparticles during Human Blood Flow in a Microvascular Network. 2020 , 16, e2002861	42
864	Antibody-Drug Conjugates and Targeted Treatment Strategies for Hepatocellular Carcinoma: A Drug-Delivery Perspective. 2020 , 25,	8
863	A single-valent long-acting human CD47 antagonist enhances antibody directed phagocytic activities. 2020 , 69, 2561-2569	1
862	100th Anniversary of Macromolecular Science Viewpoint: Re-Engineering Cellular Interfaces with Synthetic Macromolecules Using Metabolic Glycan Labeling. 2020 , 9, 991-1003	7

861	Carbohydrate-Based Micro/Nanocapsules With Controlled External Surface for Medical Applications. 2020 , 8, 545	1
860	Cancer therapy with iron oxide nanoparticles: Agents of thermal and immune therapies. 2020 , 163-164, 65-83	95
859	Strategies for High Grafting Efficiency of Functional Ligands to Lipid Nanoemulsions for RGD-Mediated Targeting of Tumor Cells .. 2020 , 3, 5067-5079	2
858	Tuning surface functionalities of sub-10 nm-sized nanocarriers to target outer retina in designing drug delivery agents for intravitreal administration. 2020 , 255, 120188	2
857	A custom-made functionalization method to control the biological identity of nanomaterials. 2020 , 29, 102268	3
856	Principles of nanosized drug delivery systems. 2020 , 3-25	1
855	Engineering extracellular matrix to improve drug delivery for cancer therapy. 2020 , 25, 1727-1734	13
854	Near-infrared triggered Ti3C2/g-C3N4 heterostructure for mitochondria-targeting multimode photodynamic therapy combined photothermal therapy. 2020 , 34, 100919	40
853	Smart Nanomaterials for Tumor Targeted Hyperthermia. 2020 , 43-59	3
852	Functionalized exosome harboring bioactive molecules for cancer therapy. 2020 , 489, 155-162	10
851	Plasmonic Material Engineering for Targeted Therapeutics. 2020 , 8, 2000616	1
850	Enhancement of the blood-circulation time and performance of nanomedicines via the forced clearance of erythrocytes. 2020 , 4, 717-731	54
849	A tumor-targeted nanoplatfom with stimuli-responsive cascaded activities for multiple model tumor therapy. 2020 , 8, 1865-1874	8
848	Two-Dimensional Nanomaterials for Photothermal Therapy. 2020 , 132, 5943-5953	41
847	Poly(ester-thioether) microspheres co-loaded with erlotinib and Docopheryl succinate for combinational therapy of non-small cell lung cancer. 2020 , 8, 1728-1738	11
846	Extension of a multiphase tumour growth model to study nanoparticle delivery to solid tumours. 2020 , 15, e0228443	10
845	Cell-Based Nanoparticles Delivery Systems for Targeted Cancer Therapy: Lessons from Anti-Angiogenesis Treatments. 2020 , 25,	25
844	pH and glutathione dual responsive nanoparticles based on Ganoderma lucidum polysaccharide for potential programmable release of three drugs. 2020 , 389, 124418	10

843	Development of a nanodrug-delivery system camouflaged by erythrocyte membranes for the chemo/phototherapy of cancer. 2020 , 15, 691-709	5
842	Tumor extravasation and infiltration as barriers of nanomedicine for high efficacy: The current status and transcytosis strategy. 2020 , 240, 119902	65
841	Drug-Loaded Photosensitizer-Chitosan Nanoparticles for Combinatorial Chemo- and Photodynamic-Therapy of Cancer. 2020 , 21, 1489-1498	24
840	Design and preclinical evaluation of nanostars for the passive pretargeting of tumor tissue. 2020 , 84-85, 63-72	11
839	Continuous asymmetrical flow field-flow fractionation for the purification of proteins and nanoparticles. 2020 , 242, 116744	10
838	Cellular Uptake and Cytotoxicity of Varying Aspect Ratios of Gold Nanorods in HeLa Cells.. 2020 , 3, 1374-1384	10
837	A Size-Changeable Collagenase-Modified Nanoscavenger for Increasing Penetration and Retention of Nanomedicine in Deep Tumor Tissue. 2020 , 32, e1906745	68
836	Epitope Molecularly Imprinted Polymer Nanoparticles for Chemo-/Photodynamic Synergistic Cancer Therapy Guided by Targeted Fluorescence Imaging. 2020 , 12, 13360-13370	34
835	Recent Progress of Potentiating Immune Checkpoint Blockade with External Stimuli-an Industry Perspective. 2020 , 7, 1903394	27
834	Reversible Control of Protein Corona Formation on Gold Nanoparticles Using Host-Guest Interactions. 2020 , 14, 5382-5391	24
833	Chemotaxis-driven delivery of nano-pathogenoids for complete eradication of tumors post-phototherapy. 2020 , 11, 1126	75
832	Ex vivo isolated human vessel perfusion system for the design and assessment of nanomedicines targeted to the endothelium. 2020 , 5, e10154	1
831	Time-Resolved Quantification of Nanoparticle Uptake, Distribution, and Impact in Precision-Cut Liver Slices. 2020 , 16, e1906523	6
830	Doubt is cast on a mechanism of cancer nanomedicine. 2020 , 73, 18-20	1
829	Janus Magnetic-Plasmonic Nanoparticles for Magnetically Guided and Thermally Activated Cancer Therapy. 2020 , 16, e1904960	44
828	Hyperthermia and smart drug delivery systems for solid tumor therapy. 2020 , 163-164, 125-144	62
827	Influence of Hydrophobic Chains in Nanocarriers on Antitumor Efficacy of Docetaxel Nanoparticles. 2020 , 17, 1205-1214	2
826	Stimuli-Responsive Polysaccharide Enveloped Liposome for Targeting and Penetrating Delivery of survivin-shRNA into Breast Tumor. 2020 , 12, 22074-22087	22

825	Meta-Analysis of Nanoparticle Delivery to Tumors Using a Physiologically Based Pharmacokinetic Modeling and Simulation Approach. 2020 , 14, 3075-3095	68
824	Autocatalytic Delivery of Brain Tumor-targeting, Size-shrinkable Nanoparticles for Treatment of Breast Cancer Brain Metastases. 2020 , 30, 1910651	16
823	In vivo pharmacokinetics, transfer and clearance study of graphene oxide by La/Ce dual elemental labelling method. 2020 , 17, 100213	11
822	Optical Microscopy and Coherence Tomography of Cancer in Living Subjects. 2020 , 6, 205-222	10
821	Stab2-Mediated Clearance of Supramolecular Polymer Nanoparticles in Zebrafish Embryos. 2020 , 21, 1060-1068	5
820	Recent advances of nanomedicines for liver cancer therapy. 2020 , 8, 3747-3771	19
819	NIR-responsible and optically monitored nanoparticles release from electrospinning fibrous matrices. 2020 , 6, 100044	2
818	Near-Infrared Laser-Triggered Dimorphic Transformation of BF-Azadipyrromethene Nanoaggregates for Enhanced Solid Tumor Penetration. 2020 , 14, 3640-3650	32
817	Nanocarriers for the Delivery of Medical, Veterinary, and Agricultural Active Ingredients. 2020 , 14, 2678-2701	60
816	Nanocarriers as Magic Bullets in the Treatment of Leukemia. 2020 , 10,	20
815	Macrophage-Mediated Delivery of Multifunctional Nanotherapeutics for Synergistic Chemo-Photothermal Therapy of Solid Tumors. 2020 , 12, 10130-10141	28
814	Selenium-Containing Nanoparticles Combine the NK Cells Mediated Immunotherapy with Radiotherapy and Chemotherapy. 2020 , 32, e1907568	98
813	Nanophytomedicine Based Novel Therapeutic Strategies in Liver Cancer. 2020 , 20, 1999-2024	3
812	Tumor microenvironment-activated self-recognizing nanodrug through directly tailored assembly of small-molecules for targeted synergistic chemotherapy. 2020 , 321, 222-235	50
811	Liposome Imaging in Optically Cleared Tissues. 2020 , 20, 1362-1369	17
810	The entry of nanoparticles into solid tumours. 2020 , 19, 566-575	558
809	Lung metastasis-targeted donut-shaped nanostructures shuttled by the margination effect for the PolyDox generation-mediated penetrative delivery into deep tumors. 2020 , 7, 1051-1061	9
808	Neutrophil-mediated transport is crucial for delivery of short-circulating magnetic nanoparticles to tumors. 2020 , 104, 176-187	17

807	Recent advances in physiologically based pharmacokinetic and pharmacodynamic models for anticancer nanomedicines. 2020 , 43, 80-99	7
806	Bioinspired Membrane-Disruptive Macromolecules as Drug-Free Therapeutics.. 2020 , 3, 1267-1275	6
805	Exploration of the Natural Active Small-Molecule Drug-Loading Process and Highly Efficient Synergistic Antitumor Efficacy. 2020 , 12, 6827-6839	26
804	Tuning Nanoparticle Interactions with Ovarian Cancer through Layer-by-Layer Modification of Surface Chemistry. 2020 , 14, 2224-2237	26
803	Development of Ga-68 labeled, biotinylated thiosemicarbazone dextran-coated iron oxide nanoparticles as multimodal PET/MRI probe. 2020 , 148, 932-941	13
802	Size-Tunable Strategies for a Tumor Targeted Drug Delivery System. 2020 , 6, 100-116	143
801	On the design of precision nanomedicines. 2020 , 6, eaat0919	15
800	Structure-Dependent Biodistribution of Liposomal Spherical Nucleic Acids. 2020 , 14, 1682-1693	21
799	Nanoparticle Beacons: Supersensitive Smart Materials with On/Off-Switchable Affinity to Biomedical Targets. 2020 , 14, 1792-1803	26
798	Colorectal cancer stem cells: a review of targeted drug delivery by gold nanoparticles. 2020 , 10, 973-985	18
797	Biodistribution, biocompatibility and targeted accumulation of magnetic nanoporous silica nanoparticles as drug carrier in orthopedics. 2020 , 18, 14	14
796	Predictive Model for Delivery Efficiency: Erythrocyte Membrane-Camouflaged Magnetofluorescent Nanocarriers Study. 2020 , 17, 837-851	9
795	Nanotherapeutic Shots through the Heart of Plaque. 2020 , 14, 1236-1242	12
794	Amphoteric natural starch-coated polymer nanoparticles with excellent protein corona-free and targeting properties. 2020 , 12, 5834-5847	11
793	Megavoltage Radiosensitization of Gold Nanoparticles on a Glioblastoma Cancer Cell Line Using a Clinical Platform. 2020 , 21,	9
792	Prototypic Heptamethine Cyanine Incorporating Nanomaterials for Cancer Phototheragnostic. 2020 , 9, e1901665	40
791	Long-Circulating Drug-Dye-Based Micelles with Ultrahigh pH-Sensitivity for Deep Tumor Penetration and Superior Chemo-Photothermal Therapy. 2020 , 30, 1906309	44
790	Enhancing cancer immunotherapy with nanomedicine. 2020 , 20, 321-334	245

789	The impact of size and surface ligand of gold nanorods on liver cancer accumulation and photothermal therapy in the second near-infrared window. 2020 , 565, 186-196	24
788	Disk-shaped magnetic particles for cancer therapy. 2020 , 7, 011306	10
787	Graphene Oxide-Grafted Magnetic Nanorings Mediated Magnetothermodynamic Therapy Favoring Reactive Oxygen Species-Related Immune Response for Enhanced Antitumor Efficacy. 2020 , 14, 1936-1950	72
786	Comparison of total reflection X-ray fluorescence spectroscopy and inductively coupled plasma atomic emission spectroscopy for the quantification of gold nanoparticle uptake. 2020 , 164, 105764	6
785	Exogenous Vitamin C-Triggered Surface Charge Conversion of pH/Reduction-Responsive Micelles for the Enhanced Tumor-Specific Activity of Loaded Doxorubicin. 2020 , 17, 954-964	5
784	Two-Dimensional Nanomaterials for Photothermal Therapy. 2020 , 59, 5890-5900	161
783	NIR-triggered thermo-responsive biodegradable hydrogel with combination of photothermal and thermodynamic therapy for hypoxic tumor. 2020 , 15, 713-727	12
782	A robust hybrid nanozyme@hydrogel platform as a biomimetic cascade bioreactor for combination antitumor therapy. 2020 , 8, 1830-1839	20
781	Information-Theoretic Model and Analysis of Molecular Signaling in Targeted Drug Delivery. 2020 , 19, 270-284	3
780	Stimuli-responsive flexible Lewis pair-modified nanoparticles for fluorescence imaging. 2020 , 56, 5981-5984	2
779	Screening and Matching Polymers with Drugs to Improve Drug Incorporation and Retention in Nanoparticles. 2020 , 17, 2083-2098	7
778	Mesoporous Rod-Like Metal-Organic Framework with Optimal Tumor Targeting Properties for Enhanced Activatable Photodynamic Therapy. 2020 , 3, 2000011	5
777	Multi-stimuli responsive polymeric prodrug micelles for combined chemotherapy and photodynamic therapy. 2020 , 8, 5267-5279	22
776	Immunostimulatory materials. 2020 , 471-497	
775	Overcoming the biological barriers in the tumor microenvironment for improving drug delivery and efficacy. 2020 , 8, 6765-6781	56
774	Zwitterionic Polysulfamide Drug Nanogels with Microwave Augmented Tumor Accumulation and On-Demand Drug Release for Enhanced Cancer Therapy. 2020 , 30, 2001832	19
773	Realizing Cancer Precision Medicine by Integrating Systems Biology and Nanomaterial Engineering. 2020 , 32, e1906783	11
772	Developing New Cancer Nanomedicines by Repurposing Old Drugs. 2020 , 132, 22013-22022	

771	Developing New Cancer Nanomedicines by Repurposing Old Drugs. 2020 , 59, 21829-21838	16
770	Cancer: so common and so difficult to deal with. 2020 , 1-22	
769	Advances and clinical challenges in biomaterials for in vivo tumor imaging. 2020 , 291-329	1
768	Suppression of cancer stem cells. 2020 , 365-398	
767	Drug uptake-based chemoresistance in breast cancer treatment. 2020 , 177, 113959	38
766	Renal clearable nanocarriers: Overcoming the physiological barriers for precise drug delivery and clearance. 2020 , 322, 64-80	16
765	Focused ultrasound-triggered chemo-gene therapy with multifunctional nanocomplex for enhancing therapeutic efficacy. 2020 , 322, 346-356	8
764	Targeted drug delivery therapies inspired by natural taxes. 2020 , 322, 439-456	8
763	Biodegradable zinc-containing mesoporous silica nanoparticles for cancer therapy. 2020 , 6, 100066	14
762	Development of an ultrasound triggered nanomedicine-microbubble complex for chemo-photodynamic-gene therapy. 2020 , 27, 102194	4
761	Evaluation of Particle Size Techniques to Support the Development of Manufacturing Scale Nanoparticles for Application in Pharmaceuticals. 2020 , 109, 2284-2293	3
760	Photoactivatable Prodrug-Backboned Polymeric Nanoparticles for Efficient Light-Controlled Gene Delivery and Synergistic Treatment of Platinum-Resistant Ovarian Cancer. 2020 , 20, 3039-3049	53
759	Biodegradable Gold Nanoclusters with Improved Excretion Due to pH-Triggered Hydrophobic-to-Hydrophilic Transition. 2020 , 142, 7783-7794	19
758	Selective organ targeting (SORT) nanoparticles for tissue-specific mRNA delivery and CRISPR-Cas gene editing. 2020 , 15, 313-320	339
757	Advances in living cell-based anticancer therapeutics. 2020 , 8, 2344-2365	10
756	Mesenchymal Stem Cells As Guideposts for Nanoparticle-Mediated Targeted Drug Delivery in Ovarian Cancer. 2020 , 12,	12
755	What is the future for nanocrystal-based drug-delivery systems?. 2020 , 11, 225-229	11
754	Active Delivery of VLPs Promotes Anti-Tumor Activity in a Mouse Ovarian Tumor Model. 2020 , 16, e1907150	24

753	The Protein Corona Does Not Influence Receptor-Mediated Targeting of Virus-like Particles. 2020 , 31, 1575-1585	12
752	A nanoparticle's pathway into tumours. 2020 , 19, 486-487	59
751	Active transcytosis and new opportunities for cancer nanomedicine. 2020 , 19, 478-480	61
750	Challenging paradigms in tumour drug delivery. 2020 , 19, 477	17
749	The role of tumor-associated macrophages (TAMs) in tumor progression and relevant advance in targeted therapy. 2020 , 10, 2156-2170	58
748	Combination therapy based on nano codelivery for overcoming cancer drug resistance. 2020 , 6, 100024	29
747	Integration of FeO with BiS for Multi-Modality Tumor Theranostics. 2020 , 12, 22650-22660	26
746	Transition metal ion-doped ferrites nanoparticles for bioimaging and cancer therapy. 2021 , 15, 101264	3
745	Precision biomaterials in cancer theranostics and modelling. 2021 , 280, 121299	5
744	A multivalent Ara-C-prodrug nanoconjugate achieves selective ablation of leukemic cells in an acute myeloid leukemia mouse model. 2021 , 280, 121258	2
743	Towards controlled drug delivery in brain tumors with microbubble-enhanced focused ultrasound. 2021 , 180, 114043	10
742	Chemically engineered mesoporous silica nanoparticles-based intelligent delivery systems for theranostic applications in multiple cancerous/non-cancerous diseases. 2022 , 452, 214309	15
741	Combating the hypoxia limit of photodynamic therapy through reversing the survival-related pathways of cancer cells. 2022 , 452, 214306	2
740	Theranostic nanoparticles with disease-specific administration strategies. 2022 , 42, 101335	5
739	Recent Progress on the Synergistic Antitumor Effect of a Borneol-Modified Nanocarrier Drug Delivery System.. 2021 , 8, 750170	1
738	Nanoparticle-based delivery systems modulate the tumor microenvironment in pancreatic cancer for enhanced therapy. 2021 , 19, 384	5
737	A Tumor Microenvironment-Triggered and Photothermal-Enhanced Nanocatalysis Multimodal Therapy Platform for Precise Cancer Therapy.	0
736	Polymer-based nanoparticles: fabrication to applications-the many faces of DC8,9PC and albumin.. 2021 , 13, 925-930	0

735	Power in Numbers: Harnessing Combinatorial and Integrated Screens to Advance Nanomedicine.. 2022 , 2, 12-21	2
734	Aggregation-induced emission luminogens for image-guided surgery in non-human primates. 2021 , 12, 6485	6
733	Tailoring Aggregation Extent of Photosensitizer to Boost Phototherapy Potency for Eliciting Systemic Antitumor Immunity. 2021 , e2106390	13
732	Tumor-Microenvironment-Responsive Nanomedicine for Enhanced Cancer Immunotherapy. 2021 , e2103836	16
731	Nanosystems for Cancer Therapy. 2022 , 127-142	
730	Tropism of Extracellular Vesicles and Cell-Derived Nanovesicles to Normal and Cancer Cells: New Perspectives in Tumor-Targeted Nucleic Acid Delivery. 2021 , 13,	1
729	Noninvasive and Highly Multiplexed Five-Color Tumor Imaging of Multicore Near-Infrared Resonant Surface-Enhanced Raman Nanoparticles. 2021 ,	3
728	Stromal Barrier-Dismantled Nanodrill-Like and Cancer Cell-Targeted pH-Responsive Polymeric Micelles for Further Enhancing the Anticancer Efficacy of Doxorubicin. 2021 ,	2
727	Recent Advancements in Serum Albumin-Based Nanovehicles Toward Potential Cancer Diagnosis and Therapy. 2021 , 9, 746646	4
726	Emerging biomaterial-based strategies for personalized therapeutic in situ cancer vaccines.. 2021 , 280, 121297	3
725	A Review of Nanomaterial Based Scintillators. 2021 , 14, 7701	3
724	Hydrogels: 3D Drug Delivery Systems for Nanoparticles and Extracellular Vesicles. 2021 , 9,	3
723	Multiplexing Nanodrug Ameliorates Liver Fibrosis via ROS Elimination and Inflammation Suppression. 2021 , e2102848	1
722	Development of Highly Sensitive Molecular Blocks at Cancer Microenvironment for Rapid Cancer Cell Death. 2021 ,	0
721	Unraveling the Effect of Breast Cancer Patients' Plasma on the Targeting Ability of Folic Acid-Modified Chitosan Nanoparticles. 2021 , 18, 4341-4353	2
720	Radiosensitizing Fe-Au Nanocapsules (Hybridosomes) increase survival of GL261 brain tumor-bearing mice treated by radiotherapy. 2021 , 40, 102499	1
719	Bioorthogonal Disassembly of Tetrazine Bearing Supramolecular Assemblies Inside Living Cells. 2021 , e2104772	1
718	Role of Survivin in Bladder Cancer: Issues to Be Overcome When Designing an Efficient Dual Nano-Therapy. 2021 , 13,	1

717	Modulating intracellular pathways to improve non-viral delivery of RNA therapeutics. 2021 , 181, 114041	4
716	Organic Nanoplatfoms for Iodinated Contrast Media in CT Imaging. 2021 , 26,	2
715	Precise Control of Shape-Variable Nanomicelles in Nanofibers Reveals the Enhancement Mechanism of Passive Delivery. 2021 , 13, 54715-54726	0
714	Harnessing the combined potential of cancer immunotherapy and nanomedicine: A new paradigm in cancer treatment. 2021 , 40, 102492	0
713	Photocleavage-based Photoresponsive Drug Delivery. 2021 ,	0
712	Polymers for Improved Delivery of Iodinated Contrast Agents. 2021 ,	1
711	Localized delivery of immunotherapy via implantable scaffolds for breast cancer treatment. 2021 , 341, 399-413	3
710	Phenylboronic Acid Modification Augments the Lysosome Escape and Antitumor Efficacy of a Cylindrical Polymer Brush-Based Prodrug. 2021 ,	4
709	Systematic Review of Cancer Targeting by Nanoparticles Revealed a Global Association between Accumulation in Tumors and Spleen. 2021 , 22,	5
708	Resolving hepatic fibrosis suppressing oxidative stress and an inflammatory response using a novel hyaluronic acid modified nanocomplex. 2021 , 9, 8259-8269	0
707	Transcytosis-inducing biomaterials for actively translocating nanomedicines. 2021 ,	
706	External stimuli-responsive nanomedicine for cancer immunotherapy. 2021 ,	
705	Particles and nanoparticles in nuclear medicine: Basic principles and instrumentation. 2021 ,	
704	3D bioprinted tumor model with extracellular matrix enhanced bioinks for nanoparticle evaluation.. 2022 , 14,	1
703	A review of recent advances in magnetic nanoparticle-based theranostics of glioblastoma.. 2022 , 17, 107-132	1
702	Combating complement's deleterious effects on nanomedicine by conjugating complement regulatory proteins to nanoparticles.. 2021 , e2107070	2
701	Membrane Cholesterol Enrichment of Red Blood Cell-Derived Microparticles Results in Prolonged Circulation.. 2022 ,	1
700	The impact of protein corona on the biological behavior of targeting nanomedicines.. 2022 , 614, 121458	9

699	Tailored Trojan horse nanocarriers for enhanced redox-responsive drug delivery.. 2022 , 342, 201-209	1
698	Cyclodextrin-based host-guest supramolecular hydrogels for local drug delivery. 2022 , 454, 214352	6
697	Quantification of gold nanoparticles using total reflection X-ray fluorescence by Monte Carlo simulation (MCNP code) applied to cancer cell research. 2022 , 193, 109937	0
696	Modulating gene expression in breast cancer via DNA secondary structure and the CRISPR toolbox.. 2021 , 3, zcab048	1
695	Nano-molecularly imprinted polymers (nanoMIPs) as a novel approach to targeted drug delivery in nanomedicine.. 2022 , 12, 3957-3968	3
694	Strategies to Improve Photodynamic Therapy Efficacy of Metal-Free Semiconducting Conjugated Polymers.. 2022 , 17, 247-271	2
693	Biomedical Applications of Iron Oxide Nanoparticles: Current Insights Progress and Perspectives.. 2022 , 14,	10
692	Triggering the nanophase separation of albumin through multivalent binding to glycogen for drug delivery in 2D and 3D multicellular constructs.. 2022 ,	
691	Combination of mitochondria impairment and inflammation blockade to combat metastasis.. 2021 , 341, 753-768	0
690	The role of magnetic hyperthermia in heating-based oncological therapies. 2022 , 265-285	1
689	Design of Magnetic Nanoplatforms for Cancer Theranostics.. 2022 , 12,	5
688	Engineered Mesenchymal Stem Cells as a Biotherapy Platform for Targeted Photodynamic Immunotherapy of Breast Cancer.. 2022 , e2101375	1
687	The Role of Graphene Oxide Nanocarriers in Treating Gliomas.. 2022 , 12, 736177	3
686	Drug Targeting and Nanomedicine: Lessons Learned from Liver Targeting and Opportunities for Drug Innovation.. 2022 , 14,	1
685	Passive targeting. 2022 , 37-47	
684	Developing sensor materials for screening intestinal diseases.	0
683	Transforming the chemical structure and bio-nano activity of doxorubicin by ultrasound for selective killing of cancer cells.. 2022 , e2107964	1
682	Three-dimensional (3D) scaffolds as powerful weapons for tumor immunotherapy.. 2022 , 17, 300-319	2

- 681 Cell-based drug-delivery systems: a possible solution to improve nanomedicine for cancer treatment?. **2022,**
- 680 Real-time monitoring of drug pharmacokinetics within tumor tissue in live animals.. **2022, 8, eabk2901** 6
- 679 Colloidal Self-assembly of Block Copolymers for Drug Loading and Controlled Release. **2022, 455-491**
- 678 Revisiting the outstanding questions in cancer nanomedicine with a future outlook. **2022, 4, 634-653** 0
- 677 Closed-Loop Temperature-Controlled Magnetic Hyperthermia Therapy with Magnetic Guidance of Superparamagnetic Iron-Oxide Nanoparticles. 2100237 2
- 676 Fe(III)-Doped Polyaminopyrrole Nanoparticle for Imaging-Guided Photothermal Therapy of Bladder Cancer.. **2022,** 2
- 675 Nanoemulsion Applications. **2022, 259-276**
- 674 Using peptides to promote delivery and improve anti-tumour efficacy of liposomal drug.. **2021, 1-33** 0
- 673 Metal-free bioorthogonal click chemistry in cancer theranostics.. **2022,** 5
- 672 Immunomodulatory properties of nanostructured systems for cancer therapy.. **2022,** 0
- 671 Advanced Optical Imaging-Guided Nanotheranostics towards Personalized Cancer Drug Delivery.. **2022, 12,** 0
- 670 Downsizing to 25-nm reverse polymeric micelle composed of AB₃-type polydepsipeptide with comprising siRNA. 0
- 669 Biomedical Applications of Biosynthesized Gold Nanoparticles from Cyanobacteria: an Overview.. **2022, 1** 2
- 668 Extracellular Vesicles Mediate the Intercellular Exchange of Nanoparticles.. **2022, 9, e2102441** 3
- 667 Protein Nanoparticles: Uniting the Power of Proteins with Engineering Design Approaches.. **2022, e2104012** 5
- 666 Physiology, pathology and the biomolecular corona: the confounding factors in nanomedicine design.. **2022,** 3
- 665 Ultrasound-Mediated Drug Delivery: Sonoporation Mechanisms, Biophysics, and Critical Factors. **2022, 2022, 1-17** 3
- 664 Multimodal Imaging-Guided Spatiotemporal Tracking of Photosensitive Stem Cells for Breast Cancer Treatment.. **2022,** 1

663	Structure-Based Varieties of Polymeric Nanocarriers and Influences of Their Physicochemical Properties on Drug Delivery Profiles.. 2022 , e2105373	8
662	Magnetic Nanoparticle Imaging: Insight on the Effects of Magnetic Interactions and Hysteresis of Tracers.	0
661	Control of the size of nanoparticles by spark discharge with an atomizer and a bubbler. 1-8	
660	Towards principled design of cancer nanomedicine to accelerate clinical translation.. 2022 , 13, 100208	8
659	Chemical and Biomolecular Strategies for STING Pathway Activation in Cancer Immunotherapy.. 2022 ,	3
658	Particle uptake driven phagocytosis in macrophages and neutrophils enhances bacterial clearance.. 2022 ,	1
657	Activated supramolecular nano-agents: From diagnosis to imaging-guided tumor treatment. 2022 , 43, 101392	2
656	Probing the glycans accessibility in the nanoparticle biomolecular corona.. 2021 , 613, 563-574	3
655	Engineering surface patterns on nanoparticles: new insights into nano-bio interactions.. 2022 ,	3
654	CHAPTER 13. Concepts and Design of Water Dispersive Hydrophobic Supracrystals: Specific Properties. 2022 , 279-303	
653	Gadolinium(III) Coordinated Theranostic Polymer for Proficient Sequential Targeting Combinational Chemotherapy and T1 Weighted Magnetic Resonance Imaging.	3
652	Simultaneous Enhancement of the Long-Wavelength NIR-II Brightness and Photothermal Performance of Semiconducting Polymer Nanoparticles.. 2022 ,	4
651	Combined Legumain- and Integrin- Targeted Nanobubbles for Molecular Ultrasound Imaging of Breast Cancer.. 2022 , 42, 102533	2
650	CaCO ₃ Nanoparticles Coated with Alternating Layers of Poly-L-Arginine Hydrochloride and Fe ₃ O ₄ Nanoparticles as Navigable Drug Carriers and Hyperthermia Agents.	1
649	Driving Forces Sorted In Situ Size-Increasing Strategy for Enhanced Tumor Imaging and Therapy. 2100117	3
648	Data-informed discovery of hydrolytic nanozymes.. 2022 , 13, 827	9
647	Nano-Bio Interface-Guided Nanoparticle Protein Corona Antigen for Immunoassays and Immunoimaging in a Complex Matrix.. 2022 ,	
646	The development of peptide-drug conjugates (PDCs) strategies for paclitaxel.. 2022 , 1-15	1

645	Scratching the Surface of the Protein Corona: Challenging Measurements and Controversies.. 2022,	3
644	Quantification of silver nanoparticle interactions with yeast <i>Saccharomyces cerevisiae</i> studied using single-cell ICP-MS.. 2022, 1	1
643	Nanoparticle Internalization Promotes the Survival of Primary Macrophages. 2100127	2
642	Leveraging self-assembled nanobiomaterials for improved cancer immunotherapy.. 2022,	2
641	Before in vivo studies: In vitro screening of sphingomyelin nanosystems using a relevant 3D multicellular pancreatic tumor spheroid model.. 2022, 617, 121577	0
640	Targeting delivery of synergistic dual drugs with elastic PEG-modified multi-functional nanoparticles for hepatocellular carcinoma therapy.. 2022, 616, 121567	0
639	Strategies targeting tumor immune and stromal microenvironment and their clinical relevance.. 2022, 183, 114137	7
638	Drug Delivery Strategies for Curcumin and Other Natural Nrf2 Modulators of Oxidative Stress-Related Diseases.. 2021, 13,	4
637	Permeability of the Composite Magnetic Microcapsules Triggered by a Non-Heating Low-Frequency Magnetic Field.. 2021, 14,	2
636	Nanotechnologies in Oncology. 2022, 1-24	
635	Factors Affecting the Clearance and Biodistribution of Polymeric Nanoparticles. 2022, 261-272	
634	Targeted Drug Delivery of Nanoparticles. 2022, 203-217	
633	Iron oxide nanoparticles: current and future applications in nanomedicine. 2022, 349-392	
632	Metallo drugs in cancer nanomedicine.. 2022,	10
631	Nanotechnology-based interventions for interactions with the immune system. 2022, 379-412	
630	Recent Advances in D-A-D Based Pdots with NIR-II Fluorescence for Deep-Tissue Imaging.	0
629	Microscopic Swarms: From Active Matter Physics to Biomedical and Environmental Applications.. 2022, 13,	1
628	Actively Targeted Nanomedicines in Breast Cancer: From Pre-Clinical Investigation to Clinic.. 2022, 14,	4

627	Nanoparticle Surface Engineering with Heparosan Polysaccharide Reduces Serum Protein Adsorption and Enhances Cellular Uptake.. 2022,	7
626	Designing Functional Bionanoconstructs for Effective Targeting.. 2022,	2
625	Unravelling Heterogeneities in Complement and Antibody Opsonization of Individual Liposomes as a Function of Surface Architecture.. 2022, e2106529	2
624	An Injectable In Situ Depot-Forming Lipidic Lyotropic Liquid Crystal System for Localized Intratumoral Drug Delivery.. 2022,	0
623	Anchoring Pd nanoparticles on hollow CuS nanoparticles for enhanced NIR induced photothermal effects for chemotherapeutic drug delivery and gastric cancer treatment. 2022,	0
622	Calcium Enabled Remote Loading of a Weak Acid Into pH-sensitive Liposomes and Augmented Cytosolic Delivery to Cancer Cells via the Proton Sponge Effect.. 2022, 1	0
621	The Landscape of Nanovectors for Modulation in Cancer Immunotherapy.. 2022, 14,	0
620	Tuning the Hydrophilic - Hydrophobic Balance of Molecular Polymer Bottlebrushes Enhances their Tumor Homing Properties.. 2022, e2200163	0
619	Melanin-gelatin nanoparticles with both EPR effect and renal clearance for PA/MRI dual-modal imaging of tumors.. 2022, 112718	2
618	coupled Hydrodynamic Flow Focusing (chFF) to Engineer Lipid-Polymer Nanoparticles (LiPoNs) for Multimodal Imaging and Theranostic Applications.. 2022, 10,	1
617	Recent Progress in Nanostructured Smart Drug Delivery Systems for Cancer Therapy: A Review.. 2022,	16
616	Magnetic Nanoparticles in Medicine: Progress, Problems, and Advances. 2022, 67, 101-116	3
615	Enzyme-mediated intratumoral self-assembly of nanotheranostics for enhanced imaging and tumor therapy.. 2022, e1786	
614	Coordinately Tethered Iron(III) Fluorescent Nanotheranostic Polymer Ascertain Cancer Cell Mitochondria Destined Potential Chemotherapy and T-Weighted MRI Competency.. 2022,	2
613	A Facile Way To Improve the Bioavailability of Nanomedicine Based on the Threshold Theory.. 2022,	1
612	Molecular Switches-Tools for Imparting Control in Drug Delivery Systems.. 2022, 10, 859450	2
611	Shape-specific microfabricated particles for biomedical applications: a review.. 2022, 1	0
610	Targeting the Microenvironment of Vulnerable Atherosclerotic Plaques: An Emerging Diagnosis and Therapy Strategy for Atherosclerosis.. 2022, e2110660	6

609	Dual Affinity to RBCs and Target Cells (DART) Enhances Both Organ- and Cell Type-Targeting of Intravascular Nanocarriers.. 2022,	3
608	A Review on Unknown Repercussions Associated with Metallic Nanoparticles and their Rectification Techniques. 2022, 07,	0
607	Biosafety materials for tuberculosis treatment. 2022,	0
606	Predicting Nanoparticle Delivery to Tumors Using Machine Learning and Artificial Intelligence Approaches.. 2022, 17, 1365-1379	2
605	Injectable liposome-based supramolecular hydrogels for the programmable release of multiple protein drugs. 2022,	2
604	Biomimetic Metal-Organic Frameworks as Targeted Vehicles to Enhance Osteogenesis.. 2022, e2102821	6
603	Harnessing the therapeutic potential of biomacromolecules through intracellular delivery of nucleic acids, peptides and proteins.. 2022, e2102600	0
602	New opportunities for light-based tumor treatment with an "iron fist".. 2022, 11, 65	2
601	Redox-responsive Self-assembled Polymeric Nanoprodrug for Delivery of Gemcitabine in B-cell Lymphoma Therapy.. 2022,	0
600	Glioblastoma Homing Photodynamic Therapy Based on Multifunctionalized Porous Silicon Nanoparticles.	0
599	Impact of Tumor Barriers on Nanoparticle Delivery to Macrophages.. 2022,	0
598	Translational Modeling Identifies Synergy between Nanoparticle-Delivered miRNA-22 and Standard-of-Care Drugs in Triple-Negative Breast Cancer.. 2022, 39, 511	1
597	Extracorporeal Removal of Thermosensitive Liposomal Doxorubicin from Systemic Circulation after Tumor Delivery to Reduce Toxicities.. 2022, 14,	0
596	Explaining chemical clues of metal organic framework-nanozyme nano-/micro-motors in targeted treatment of cancers: benchmarks and challenges.. 2022, 20, 153	2
595	A Nanoparticle's Journey to the Tumor: Strategies to Overcome First-Pass Metabolism and Their Limitations.. 2022, 14,	2
594	Construction of nanocarriers based on endogenous cell membrane and its application in nanomedicine.	2
593	Targeted Drug Delivery to the Central Nervous System Using Extracellular Vesicles.. 2022, 15,	2
592	Metal-Organic Framework-Based Nanoheater with Photo-Triggered Cascade Effects for On-Demand Suppression of Cellular Thermoresistance and Synergistic Cancer Therapy.. 2022, e2200004	

591	Dopamine Functionalized Polyethylene Glycol for Improving Stability of Gold Nanoparticles Against Reactive Oxygen Species in Serum.. 2022 , e2200035	0
590	Plasmonic Nanostructure Engineering with Shadow Growth.. 2022 , e2107917	0
589	Why nanoparticles prefer liver macrophage cell uptake in vivo.. 2022 , 114238	3
588	Liposome-Encapsulated Tiansimycin A Is Active against Melanoma and Metastatic Breast Tumors: The Effect of cRGD Modification of the Liposomal Carrier and Tiansimycin A Dose on Drug Activity and Toxicity.. 2022 ,	0
587	: Progress towards a Pharmaceutical Agent for Immunomodulation and Cancer Therapeutics.. 2022 , 14,	0
586	Gold Nanorods for Drug and Gene Delivery: An Overview of Recent Advancements.. 2022 , 14,	1
585	The emergence of nanoporous materials in lung cancer therapy.	1
584	Emerging Albumin-Binding Anticancer Drugs for Tumor-Targeted Drug Delivery: Current Understandings and Clinical Translation.. 2022 , 14,	2
583	Transfer of photothermal nanoparticles using stem cell derived small extracellular vesicles for in vivo treatment of primary and multinodular tumours.. 2022 , 11, e12193	0
582	Metastasis prevention: targeting causes and roots.. 2022 , 1	0
581	Neutrophils as emerging immunotherapeutic targets: Indirect treatment of tumors by regulating the tumor immune environment based on a sialic acid derivative-modified nanocomplex platform.. 2022 , 121684	0
580	Dual pH-Responsive and Tumor-Targeted Nanoparticle-Mediated Anti-Angiogenesis siRNA Delivery for Tumor Treatment.. 2022 , 17, 953-967	0
579	The Role of Research in Developing Nanoparticle-Based Therapeutics.. 2022 , 4, 838590	0
578	Optimal Physicochemical Properties of Antibody-Nanoparticle Conjugates for Improved Tumor Targeting.. 2022 , e2110305	6
577	Merging Data Curation and Machine Learning to Improve Nanomedicines.. 2022 , 114172	4
576	The consequences of particle uptake on immune cells.. 2022 ,	0
575	Inflammation targeted nanomedicines: patents and applications in cancer therapy.. 2022 ,	0
574	Protein adsorption onto nanomaterials engineered for theranostic applications.. 2022 ,	3

573	Endothelial Cell Adhesion Molecules- (un)Attainable Targets for Nanomedicines.. 2022 , 4, 846065	1
572	Re-directing nanomedicines to the spleen: A potential technology for peripheral immunomodulation.. 2022 ,	1
571	Utilizing in vitro drug release assays to predict in vivo drug retention in micelles.. 2022 , 618, 121638	1
570	Cancer cell membrane-derived nanoparticles block the expression of immune checkpoint proteins on cancer cells and coordinate modulatory activity on immunosuppressive macrophages.. 2022 ,	0
569	Tumor-Activated Carrier-Free Prodrug Nanoparticles for Targeted Cancer Immunotherapy: Preclinical Evidence for Safe and Effective Drug Delivery.. 2022 , 114177	9
568	DMPC/Chol liposomal copper CX5461 is therapeutically superior to a DSPC/Chol formulation.. 2022 , 345, 75-90	
567	Folic acid-functionalized nanoparticles-laden biomaterials for the improved oral delivery of hydrophobic drug in colorectal cancer. 2022 , 71, 103287	0
566	Dual-responsive polypeptide nanoparticles attenuate tumor-associated stromal desmoplasia and anticancer through programmable dissociation.. 2022 , 284, 121469	0
565	Normalizing tumor microenvironment with nanomedicine and metronomic therapy to improve immunotherapy.. 2022 ,	3
564	Driving forces and molecular interactions in the self-assembly of block copolymers to form fiber-like micelles. 2022 , 9, 021301	0
563	Designing inorganic nanoparticles into computed tomography and magnetic resonance (CT/MR) imaging-guidable photomedicines. 2022 , 18, 100187	2
562	Platelet-neutrophil hybrid membrane-coated gelatin nanoparticles for enhanced targeting ability and intelligent release in the treatment of non-alcoholic steatohepatitis.. 2022 , 102538	2
561	Deciphering albumin-directed drug delivery by imaging.. 2022 , 114237	3
560	Advances in peptide-drug conjugate-based supramolecular hydrogel systems for local drug delivery. 2022 , 14, 100125	1
559	Near-infrared-II photothermal ultra-small carbon dots promoting anticancer efficiency by enhancing tumor penetration.. 2022 , 616, 595-604	3
558	A Multiscale Model to Identify Limiting Factors in Nanoparticle-Based miRNA Delivery for Tumor Inhibition. 2021 , 2021, 4230-4233	
557	Seeing is Sensing - External Observation of In Vivo Biological Gradient Field by Tracking Nanoswimmers. 2021 , 2021, 1205-1208	
556	Cancer cell membrane-coated nanoparticles for bimodal imaging-guided photothermal therapy and docetaxel-enhanced immunotherapy against cancer.. 2021 , 19, 449	3

555	Numerical Simulation of Enhancement of Superficial Tumor Laser Hyperthermia with Silicon Nanoparticles. 2021 , 8, 580	2
554	Poly(disulfide)s: From Synthesis to Drug Delivery. 2021 ,	4
553	Versatile and Robust Method for Antibody Conjugation to Nanoparticles with High Targeting Efficiency.. 2021 , 13,	0
552	Deterministic Identification Over Poisson Channels. 2021 ,	0
551	Design of Smart Size-, Surface-, and Shape-Switching Nanoparticles to Improve Therapeutic Efficacy.. 2021 , e2104632	4
550	Stimulus-Responsive Nanoparticles for Therapeutic Stabilization of Atherosclerosis. 2022 , 181-215	0
549	Cathepsin B-Initiated Cypate Nanoparticle Formation for Tumor Photoacoustic Imaging. 2022 , 134,	
548	Mesoporous Silica@Fe ₃ O ₄ Nanoparticle Composites as Potential Drug Carriers. 2021 , 4, 13363-13378	1
547	Assembly Transformation Jointly Driven by the LAP Enzyme and GSH Boosting Theranostic Capability for Effective Tumor Therapy.. 2021 , 13, 59787-59802	2
546	Cathepsin B-Initiated Cypate Nanoparticle Formation for Tumor Photoacoustic Imaging. 2021 ,	5
545	Biosynthesized Silver Nanoparticles for Cancer Therapy and In Vivo Bioimaging. 2021 , 13,	8
544	Nanoscience versus Viruses: The SARS-CoV-2 Case. 2022 , 32, 2107826	2
543	Nanomedicine in Hepatocellular Carcinoma: A New Frontier in Targeted Cancer Treatment.. 2021 , 14,	5
542	Magnetic Nanomaterials for Arterial Embolization and Hyperthermia of Parenchymal Organs Tumors: A Review.. 2021 , 11,	1
541	Magnetic Micro- and Nanoagents for Monitoring Enzymatic Activity In Vivo. 2022 , 5,	
540	Theranostic near-infrared-IIb emitting nanoprobes for promoting immunogenic radiotherapy and abscopal effects against cancer metastasis. 2021 , 12, 7149	7
539	Quantitative Evaluation of Dendritic Nanoparticles in Mice: Biodistribution Dynamics and Downstream Tumor Efficacy Outcomes. 2021 ,	
538	Facile and wide-range size tuning of conjugated polymer nanoparticles for biomedical applications as a fluorescent probe.. 2022 , 12, 11606-11611	

537	Active nanomotors surpass passive nanomedicines: current progress and challenges.. 2022,	0
536	Nanoparticle based medicines: approaches for evading and manipulating the mononuclear phagocyte system and potential for clinical translation.. 2022,	3
535	Self-Reinforced Cancer Targeting (SRCT) Depending on Reciprocally Enhancing Feedback between Targeting and Therapy.. 2022,	0
534	A CuS-Based Nanoplatform Catalyzing NO Generation for Tumor Vessel Improvement and Efficient Chemotherapy.	1
533	Macrophages Actively Transport Nanoparticles in Tumors After Extravasation.. 2022,	2
532	Biogenesis of Exosomes Laden with Metallic Silver-Copper Nanoparticles Liaised by Wheat Germ Agglutinin for Targeted Delivery of Therapeutics to Breast Cancer.. 2022, e2200005	1
531	Mesenchymal stem cells: a living carrier for active tumor-targeted delivery.. 2022, 114300	1
530	Copper-based nanomaterials for cancer theranostics.. 2022, e1797	3
529	Iodine Conjugated Pt(IV) Nanoparticles for Precise Chemotherapy with Iodine-Pt Guided Computed Tomography Imaging and Biotin-Mediated Tumor-Targeting.. 2022,	1
528	Recent advances in dual-ligand targeted nanocarriers for cancer therapy.. 2022,	1
527	Table_1.DOCX. 2020,	
526	Strategies of engineering nanomedicines for tumor retention.. 2022,	1
525	Surface Modification of Lipid-Based Nanoparticles.. 2022,	7
524	Design of therapeutic biomaterials to control inflammation.. <i>Nature Reviews Materials</i> , 2022, 1-18	73.3 16
523	Artificial Scaffold Polypeptides As an Efficient Tool for the Targeted Delivery of Nanostructures In Vitro and In Vivo.. 2022, 14, 54-72	4
522	Diatomite-based nanoparticles: Fabrication strategies for medical applications. 2022, 427-446	0
521	Molecular Engineering of Surface Functional Groups Enabling Clinical Translation of NanoparticleDrug Conjugates.	2
520	Targeting tumor cells using magnetic nanoparticles in a feasibility study in animal models. 1-10	0

519	Biomimetic approaches for targeting tumor inflammation.. 2022,	0
518	Overcoming differential tumor penetration of BRAF inhibitors using computationally guided combination therapy.. 2022, 8, eabl6339	2
517	Nanotechnology-enabled immunoengineering approaches to advance therapeutic applications.. 2022, 9, 19	1
516	A Therapeutic Sheep in Metastatic Wolf's Clothing: Trojan Horse Approach for Cancer Brain Metastases Treatment.. 2022, 14, 114	0
515	Versatile Coating Platform for Metal Oxide Nanoparticles: Applications to Materials and Biological Science.. 2022,	1
514	Combination of interventional oncology local therapies and immunotherapy for the treatment of hepatocellular carcinoma.	1
513	Nanotheranostics for Image-Guided Cancer Treatment. 2022, 14, 917	2
512	Biomedical polymers: synthesis, properties, and applications.. 2022, 1-66	11
511	Syntheses of Polypeptides and Their Biomedical Application for Anti-Tumor Drug Delivery.. 2022, 23,	1
510	The interactions between DNA nanostructures and cells: A critical overview from a cell biology perspective.. 2022,	3
509	Macrophage-evading and tumor-specific apoptosis inducing nanoparticles for targeted cancer therapy. 2022,	0
508	Heptamethine Cyanine-Loaded Nanomaterials for Cancer Immuno-Photothermal/Photodynamic Therapy: A Review. 2022, 14, 1015	2
507	Study on biomimetic nano tumor targeted delivery system for chemotherapy-laser immunotherapy.. 2022,	1
506	Dendritic-Linear Copolymer and Dendron Lipid Nanoparticles for Drug and Gene Delivery.. 2022,	1
505	From fluorescent probes to the theranostics platform.	1
504	Targeted Delivery of DNA Topoisomerase Inhibitor SN38 to Intracranial Tumors of Glioblastoma Using Sub-5 Ultrafine Iron Oxide Nanoparticles.. 2022, e2102816	0
503	Trends and Hotspots in Nanoparticles for the Targeted Delivery of Nucleic Acids: A Ten-Year Bibliometric Study. 2022, 13,	0
502	Cell-based carrier for targeted hitchhiking delivery.. 2022,	0

501	Molecular imaging nanoprobes for theranostic applications.. 2022 , 114320	2
500	Carboxymethylcellulose biofunctionalized ternary quantum dots for subcellular-targeted brain cancer nanotheranostics.. 2022 ,	0
499	Nanosized Janus AuNR-Pt Motor for Enhancing NIR-II Photoacoustic Imaging of Deep Tumor and Pt Ion-Based Chemotherapy.. 2022 ,	7
498	Advocation and advancements of EPR effect theory in drug delivery science: A commentary.. 2022 ,	0
497	Yeast as carrier for drug delivery and vaccine construction.. 2022 ,	1
496	Macrophage blockade using nature-inspired ferrihydrite for enhanced nanoparticle delivery to tumor.. 2022 , 621, 121795	0
495	Hybrid membrane-camouflaged hollow prussian blue nanoparticles for shikonin loading and combined chemo/photothermal therapy of metastatic TNBC. 2022 , 14, 100245	1
494	Combination of chemo and photo dynamic therapy using pH triggered bio-coated spinels for treatment of breast cancer. 2022 , 358, 119211	0
493	Search Space Analysis for In Vivo Computation for Smart Tumor Targeting. 2021 ,	
492	Smart Tumour Targeting by Reinforcement Learning. 2021 ,	
491	Light-triggered Photodynamic Nanomedicines for Overcoming Localized Therapeutic Efficacy in Cancer Treatment.. 2022 , 114344	3
490	Designing the Surface Chemistry of Inorganic Nanocrystals for Cancer Imaging and Therapy. 2022 , 14, 2456	0
489	Biodistribution, pharmacokinetics and excretion studies of intravenously injected nanoparticles and extracellular vesicles: Possibilities and challenges.. 2022 , 114326	1
488	Unique Random-Block Polymer Architecture for Site-Specific Mitochondrial Sequestration-Aided Effective Chemotherapeutic Delivery and Enhanced Fluorocarbon Segmental Mobility-Facilitated F Magnetic Resonance Imaging.. 2022 ,	1
487	Advances in Nanomedicine Design: Multidisciplinary Strategies for Unmet Medical Needs.. 2022 ,	0
486	Boarding Oncolytic Viruses onto Tumor-Homing Bacterium-Vessels for Augmented Cancer Immunotherapy.. 2022 ,	4
485	Supraballs as spherical solid 3D superlattices of hydrophobic nanocrystals dispersed in water: Nanoarchitectonics and Properties.	0
484	Function and therapeutic development of exosomes for cancer therapy.	1

483	Nanoparticles as Physically- and Biochemically-Tuned Drug Formulations for Cancers Therapy. 2022 , 14, 2473	1
482	Novel active stealth micelles based on β M achieved effective antitumor therapy. 2022 , 151, 113175	1
481	Engineering mesoporous silica nanoparticles for drug delivery: where are we after two decades?.	19
480	Biomaterial-Targeted Precision Nanoparticle Delivery to the Injured Spinal Cord.	
479	Bioinspired and Biomimetic Nanomedicines for Targeted Cancer Therapy. 2022 , 14, 1109	2
478	Micro/Nanosystems for Magnetic Targeted Delivery of Bioagents. 2022 , 14, 1132	4
477	Nucleobase-crosslinked poly(2-oxazoline) nanoparticles as paclitaxel carriers with enhanced stability and ultra-high drug loading capacity for breast cancer therapy. 2022 ,	0
476	An Attempt of Stimuli-Responsive Drug Delivery of Graphene-Based Nanomaterial through Biological Obstacles of Tumor. 2022 , 100381	1
475	pH-responsive phototherapeutic poly(acrylic acid)-calcium phosphate passivated TiO ₂ nanoparticle-based drug delivery system for cancer treatment applications. 2022 ,	2
474	Stability of ZIF-8 Nanoparticles in Most Common Cell Culture Media. 2022 , 27, 3240	0
473	Nanomedicine: controlling nanoparticle clearance for translational success. 2022 ,	1
472	Emerging concepts in designing next-generation multifunctional nanomedicine for cancer treatment.	1
471	Current Nano-Strategies to Improve Therapeutic Efficacy Across Special Structures. 2022 , 100049	0
470	In Situ MicroNano Conversion Augmented Tumor-Localized Immunochemotherapy.	1
469	An EPR-Independent Extravasation Strategy: Deformable Leukocytes as Vehicles for Improved Solid Tumor Therapy. 2022 , 114380	1
468	Immunogenic Cell Death Activates the Tumor Immune Microenvironment to Boost the Immunotherapy Efficiency. 2201734	16
467	Comparing extracellular vesicles and cell membranes as biocompatible coatings for gold nanorods: Implications for targeted theranostics. 2022 , 176, 168-179	0
466	Two-dimensional nanomaterials for tumor microenvironment modulation and anticancer therapy. 2022 , 187, 114360	0

465	Honokiol nanosuspensions loaded thermosensitive hydrogels as the local delivery system in combination with systemic paclitaxel for synergistic therapy of breast cancer. 2022 , 175, 106212	1
464	Effect of (3-aminopropyl)triethoxysilane on dissolution of silica nanoparticles synthesized via reverse micro emulsion.	0
463	Promoting gene transfection by ROS responsive silicon nanowire arrays.	
462	Bioengineered nanogels for cancer immunotherapy. 2022 , 51, 5136-5174	6
461	An Appraisal on Plasmonic Heating of Nanostructures. 2022 , 341-354	0
460	The role of CCNs in controlling cellular communication in the tumor microenvironment.	0
459	Nanobiomimetic Medicine. 2204791	0
458	Rethinking nanoparticulate polymerdrug conjugates for cancer theranostics.	0
457	Chitosan-based injectable in situ forming hydrogels containing dopamine-reduced graphene oxide and resveratrol for breast cancer chemo-photothermal therapy. 2022 , 108529	2
456	Tumor-Activatable Nanoparticles Target Low-Density Lipoprotein Receptor to Enhance Drug Delivery and Antitumor Efficacy. 2201614	1
455	pH/Thermal-Sensitive Nanoplatfom Capable of On-Demand Specific Release to Potentiate Drug Delivery and Combinational Hyperthermia/Chemo/Chemodynamic Therapy.	0
454	New Technologies Bloom Together for Bettering Cancer Drug Conjugates. 2022 , 74, 680-711	0
453	Interpretable XGBoost-SHAP model predicts the nanoparticles delivery and reveals its interaction with tumor genomic profiles.	
452	Gold Nanostar@Polyaniline Theranostic Agent with High Photothermal Conversion Efficiency for Photoacoustic Imaging-Guided Anticancer Phototherapy at a Low Dosage.	4
451	Enzyme-Powered Micro/Nanomotors for Cancer Treatment.	0
450	Bioavailability of nanomaterials: bridging the gap between nanostructures and their bioactivity.	0
449	Defined positive charge patterns created on DNA nanostructures determine cellular uptake efficiency.	1
448	Carbon Dot Nanoarchitectonics: Quadruple Conjugated Nano Model for Superior Cancer Cell-Nucleus Targeting and Multi Drug Delivery.	

447	Phosphorylcholine zwitterionic shell-detachable mixed micelles for enhanced cancerous cellular uptakes and increased DOX release.	
446	Single-molecular photosensitizers for NIR-II fluorescence and photoacoustic imaging guided precise anticancer phototherapy.	0
445	Nanotechnology: Scopes and various aspects of drug delivery. 2022 , 1-20	
444	Targeted intelligent mesoporous polydopamine nanosystems for multimodal synergistic tumor treatment.	0
443	Recent approaches of nanodrug delivery and toxicity to untargeted organs. 2022 , 517-532	
442	Approaches to Improve Macromolecule and Nanoparticle Accumulation in the Tumor Microenvironment by the Enhanced Permeability and Retention Effect. 2022 , 14, 2601	3
441	Dendrimers as nanoscale vectors: Unlocking the bars of cancer therapy. 2022 ,	3
440	Engineering NanoBio Interfaces from Nanomaterials to Nanomedicines.	3
439	Transient Lymph Node Immune Activation by Hydrolysable Polycarbonate Nanogels. 2203490	1
438	Functional ligands for improving anticancer drug therapy: current status and applications to drug delivery systems. 2022 , 29, 1959-1970	0
437	Iron(III) Coordinated Theranostic Polyprodrug with Sequential Receptor-Mitochondria Dual Targeting and T1-Weighted Magnetic Resonance Imaging Potency for Effective and Precise Chemotherapy.	1
436	Promoting tumor accumulation of anticancer drugs by hierarchical carrying of exogenous and endogenous vehicles.	3
435	Real-Time Interfacial Nanothermometry Using DNA-PAINT Microscopy. 2201602	0
434	Tumor-Associated Enzyme-Activatable Spherical Nucleic Acids.	3
433	Dual α -integrin and neuropilin-1 targeting peptide CEND-1 plus nab-paclitaxel and gemcitabine for the treatment of metastatic pancreatic ductal adenocarcinoma: a first-in-human, open-label, multicentre, phase 1 study. 2022 ,	1
432	The Emerging Applications of Nanotechnology in Neuroimaging: A Comprehensive Review. 10,	
431	Targeting Magnetic Nanoparticles in Physiologically Mimicking Tissue Microenvironment.	2
430	Macrophage-Encapsulated Bioorthogonal Nanozymes for Targeting Cancer Cells.	4

429	Nanoparticle elasticity affects systemic circulation lifetime by modulating adsorption of apolipoprotein A-I in corona formation. 2022 , 13,	1
428	Modularity of RBC hitchhiking with polymeric nanoparticles: testing the limits of non-covalent adsorption. 2022 , 20,	0
427	Extracellular Vesicles for Improved Tumor Accumulation and Penetration. 2022 , 114450	1
426	Glioblastoma: Current Status, Emerging Targets, and Recent Advances. 2022 , 65, 8596-8685	0
425	Numerical simulation of superparamagnetic nanoparticle motion in blood vessels for magnetic drug delivery. 2022 , 106,	0
424	Downregulation of the Tumor Interstitial Fluid Pressure to Boost Intratumoral Penetration and Hydrodynamic Therapy via CaO ₂ -Based Ru Nanozymes.	0
423	Promising Strategies for Preserving Adult Endothelium Health and Reversing Its Dysfunction: From Liquid Biopsy to New Omics Technologies and Noninvasive Circulating Biomarkers. 2022 , 23, 7548	0
422	Enhancing Adoptive Cell Therapy by T Cell Loading of SHP2 Inhibitor Nanocrystals before Infusion.	
421	Changing Surface Polyethylene Glycol Architecture Affects Elongated Nanoparticle Penetration into Multicellular Tumor Spheroids.	
420	Tumor-Derived Membrane Vesicles: A Promising Tool for Personalized Immunotherapy. 2022 , 15, 876	0
419	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. 2022 , 19,	0
418	How Microalgae is Effective in Oxygen Deficiency Aggravated Diseases? A Comprehensive Review of Literature. Volume 17, 3101-3122	1
417	PEGylated drug delivery systems in the pharmaceutical field: past, present and future perspective. 1-18	0
416	Versatile Protein Coronation Approach with Multiple Depleted Serum for Creating Biocompatible, Precision Nanomedicine. 2202002	
415	Phage Particles of Controlled Length and Genome for In Vivo Targeted Glioblastoma Imaging and Therapeutic Delivery.	2
414	Application of Nanoparticles in Tumour Targeted Drug Delivery and Vaccine. 4,	1
413	Bioorthogonal Click of Colloidal Gold Nanoparticles to Antibodies In Vivo.	
412	Stimuli-responsive polyprodrug for cancer therapy. 2022 , 15, 100266	1

411	Nanotherapeutic treatment of the invasive glioblastoma tumor microenvironment. 2022 , 188, 114415	1
410	Polymer functionalization of inorganic nanoparticles for biomedical applications. 2022 , 37, 100849	2
409	An update on dual targeting strategy for cancer treatment. 2022 , 349, 67-96	3
408	Diffusion of deformable nanoparticles in adhesive polymeric gels. 2022 , 167, 105002	
407	Recent progresses on radiotherapeutics-based treatment of cancer with two-dimensional nanomaterials. 2022 , 29, 101584	
406	Molecular dynamics simulations of cRGD-conjugated PEGylated TiO ₂ nanoparticles for targeted photodynamic therapy. 2022 , 627, 126-141	1
405	Oxygen microcapsules improve immune checkpoint blockade by ameliorating hypoxia condition in pancreatic ductal adenocarcinoma. 2023 , 20, 259-270	1
404	Stepwise Size Shrinkage Cascade-Activated Supramolecular Prodrug Boosts Antitumor Immunity by Eliciting Pyroptosis. 2203353	2
403	Delivery of mGluR5 siRNAs by Iron Oxide Nanocages by Alternating Magnetic Fields for Blocking Proliferation of Metastatic Osteosarcoma Cells. 2022 , 23, 7944	0
402	The in vivo fate of polymeric micelles. 2022 , 114463	4
401	Massively parallel pooled screening reveals genomic determinants of nanoparticle delivery. 2022 , 377,	5
400	In vitro review of nanoparticles attacking macrophages: Interaction and cell death. 2022 , 120840	1
399	Facile Construction of a Two-in-One Injectable Micelleplex-Loaded Thermogel System for the Prolonged Delivery of Plasmid DNA.	1
398	The Future of Tissue-Targeted Lipid Nanoparticle-Mediated Nucleic Acid Delivery. 2022 , 15, 897	1
397	Selecting ideal drugs for encapsulation in thermosensitive liposomes and other triggered nanoparticles. 2022 , 39, 998-1009	1
396	Non-coding RNA delivery for bone tissue engineering: progress, challenges and potential solutions. 2022 , 104807	2
395	Polymeric nanoparticles wrapped in biological membranes for targeted anticancer treatment. 2022 , 111427	2
394	Influence of Cell Type on the Efficacy of Plasmonic Photothermal Therapy.	

- 393 Vascular bursts-mediated tumor accumulation and deep penetration of spherical nucleic acids for synergistic radio-immunotherapy. **2022**, 348, 1050-1065 1
- 392 In vivo computation with sensor fusion and search acceleration for smart tumor homing. **2022**, 148, 105887
- 391 Local Drug Delivery Strategies for Glioblastoma Treatment. **2022**, 10, 151
- 390 Nano Particle-Based Targeted Drug Delivery for Effective Treatment of Cancer Disease. **2022**, 432-449
- 389 Nanoparticles-Based Strategies to Improve the Delivery of Therapeutic Small Interfering RNA in Precision Oncology. **2022**, 14, 1586 1
- 388 Nanodiamonds as Possible Tools for Improved Management of Bladder Cancer and Bacterial Cystitis. **2022**, 23, 8183 1
- 387 One step closer to cancer nanomedicine. **2022**, 377, 371-372 2
- 386 Polymeric nanoparticles for dual-targeted theranostic gene delivery to hepatocellular carcinoma. **2022**, 8, 2
- 385 Cancer Stem Cells and the Tumor Microenvironment: Targeting the Critical Crosstalk through Nanocarrier Systems. 0
- 384 Smart Nanotextiles for Controlled and Targeted Drug Release. **2022**, 135-158
- 383 Cation- π Interaction-Mediated Tumour Drug Delivery for Deep Intratumoral Penetration and Treatment. 2205043 1
- 382 Usage of Nanoparticles to Alter Neutrophils' Function for Therapy.
- 381 Engineered metal and their complexes for nanomedicine-elicited cancer immunotherapy. **2022**, 15, 100276 0
- 380 Self-Assembled DNA-Protein Hybrid Nanospheres: Biocompatible Nano-Drug-Carriers for Targeted Cancer Therapy. **2022**, 14, 37493-37503 1
- 379 Importance of Standardizing Analytical Characterization Methodology for Improved Reliability of the Nanomedicine Literature. **2022**, 14, 2
- 378 Tumor-derived extracellular vesicles for the active targeting and effective treatment of colorectal tumors in vivo. **2022**, 29, 2621-2631 0
- 377 Functionalized Magnetic Nanoparticles for Alternating Magnetic Field- or Near Infrared Light-Induced Cancer Therapies. **2022**, 13, 1279 4
- 376 Evaluation of Hepatoprotective Effects of Piperlongumine Derivative PL 1 β -Loaded Albumin Nanoparticles on Lipopolysaccharide/d-Galactosamine-Induced Acute Liver Injury in Mice.

- 375 Enhancing Doxorubicin Delivery in Solid Tumor by Superhydrophobic Amorphous Calcium CarbonateDoxorubicin Silica Nanoparticles with Focused Ultrasound. 1
- 374 Folate-modified erythrocyte membrane nanoparticles loaded with Fe₃O₄ and artemisinin enhance ferroptosis of tumors by low-intensity focused ultrasound. 12, 0
- 373 An intravascular needle coated by ZnO nanoflowers for in vivo elimination of circulating tumor cells.
- 372 High-Yield ^{99m}Tc Labeling of Gold Nanoparticles Carrying Atropine and Adrenaline.
- 371 DNA Framework-Programmed Ligand Positioning to Modulate the Targeting Performance. **2022**, 14, 36957-36965
- 370 PEG Spacer Length Substantially Affects Antibody-Based Nanocarrier Targeting of Dendritic Cell Subsets. **2022**, 14, 1614
- 369 Tissue-adhesive hydrogel for multimodal drug release to immune cells in skin. **2022**, 0
- 368 Collective Behaviors of Active Matter Learning from Natural Taxes Across Scales. 2203959 2
- 367 Self-carried nanodrug (SCND-SIS3): A targeted therapy for lung cancer with superior biocompatibility and immune boosting effects. **2022**, 121730 0
- 366 Nanomedicines Targeting Metabolism in the Tumor Microenvironment. 10, 0
- 365 Membrane-wrapped nanoparticles for photothermal cancer therapy. **2022**, 9, 1
- 364 Immunogenic Cell Death Augmented by Manganese Zinc Sulfide Nanoparticles for Metastatic Melanoma Immunotherapy. 6
- 363 The Potential of Topoisomerase Inhibitor-Based AntibodyDrug Conjugates. **2022**, 14, 1707 2
- 362 Pt/DOX Nanomotors Enhance Penetration in the Deep Tumor by Positive Chemotaxis. **2022**, 14, 38172-38184 2
- 361 Nanoparticles: attractive tools to treat colorectal cancer. **2022**, 0
- 360 Cancer-associated Fibroblasts: Origin, Function, Imaging, and Therapeutic Targeting. **2022**, 114504 0
- 359 A self-activating nanoized vascular disrupting agent for selective anti-tumor therapy. **2022**, 121736 1
- 358 The effects of serum albumin pre-adsorption of nanoparticles on protein corona and membrane interaction: A molecular simulation study. **2022**, 167771 0

- 357 Targeted Delivery of Chemo-Sonodynamic Therapy via Brain Targeting, Glutathione-Consumable Polymeric Nanoparticles for Effective Brain Cancer Treatment. 2203894 2
- 356 Advanced Light Source Analytical Techniques for Exploring the Biological Behavior and Fate of Nanomedicines. **2022**, 8, 1063-1080 0
- 355 Folic Acid Enables Targeting Delivery of Lipodiscs by Circumventing IgM-Mediated Opsonization. **2022**, 22, 6516-6522 0
- 354 Navigations of the targeting pathway of nanomedicines toward tumor. **2022**, 19, 985-996
- 353 Glucuronides: From biological waste to bio-nanomedical applications. **2022**, 349, 765-782 0
- 352 Intelligent poly(l-histidine)-based nanovehicles for controlled drug delivery. **2022**, 349, 963-982 3
- 351 Pulmonary delivery of size-transformable nanoparticles improves tumor accumulation and penetration for chemo-sonodynamic combination therapy. **2022**, 350, 132-145 0
- 350 Engineering nanosystems to overcome barriers to cancer diagnosis and treatment. **2022**, 189, 114482 2
- 349 Nucleic acid-based therapy for brain cancer: Challenges and strategies. **2022**, 350, 80-92 2
- 348 Hyaluronic acid coated spinel ferrite for combination of chemo and photodynamic therapy: Green synthesis, characterization, and in vitro and in vivo biocompatibility study. **2022**, 219, 709-720 0
- 347 Perspectives on using bacteriophages in biogerontology research and interventions. **2022**, 366, 110098
- 346 Two different protein corona formation modes on Soluplus[®] nanomicelles. **2022**, 218, 112744 0
- 345 Localization of drug biodistribution in a 3D-bioengineered subcutaneous neovascularized microenvironment. **2022**, 16, 100390 0
- 344 High-speed propulsion of magnetoelectric nanovehicle actuated by bio-cellular electric field sensing. **2022**, 38, 100521
- 343 Tailoring radiotherapies and nanotechnology for targeted treatment of solid tumors. **2022**, 472, 214757 2
- 342 Biosynthesis of ZnO NPs from pumpkin seeds extract and elucidation of its anticancer potential against breast cancer. **2022**, 11, 2714-2725 1
- 341 Nanocarriers as a Delivery Platform for Anticancer Treatment: Biological Limits and Perspectives in B-Cell Malignancies. **2022**, 14, 1965 0
- 340 Modulating Macrophage Clearance of Nanoparticles: Comparison of Small-Molecule and Biologic Drugs as Pharmacokinetic Modifiers of Soft Nanomaterials. 0

- 339 Controlling Nanoparticle Uptake in Innate Immune Cells with Heparosan Polysaccharides. **2022**, 22, 7119-7128 ○
- 338 Multifunctional Nanoassemblies for Cytotoxic Drug and Therapeutic Enzymes Delivery in Neuroblastoma Therapy. 2201356 ○
- 337 A comprehensive review of synthesis, structure, properties, and functionalization of MoS₂; emphasis on drug delivery, photothermal therapy, and tissue engineering applications. **2022**, 76, 103767 1
- 336 Deepening the understanding of the in vivo and cellular fate of nanocarriers. **2022**, 189, 114529 ○
- 335 Comparative study of cathepsin B-cleavable linkers for the optimal design of cathepsin B-specific doxorubicin prodrug nanoparticles for targeted cancer therapy. **2022**, 289, 121806 2
- 334 Nano-drug delivery systems for T cell-based immunotherapy. **2022**, 46, 101621 2
- 333 A proposed mathematical description of in vivo nanoparticle delivery. **2022**, 189, 114520 1
- 332 Amino porphyrin-peptide assemblies induce ribosome damage and cancer stem cell inhibition for an enhanced photodynamic therapy. **2022**, 289, 121812 ○
- 331 Stealth nanoparticles in oncology: Facing the PEG dilemma. **2022**, 351, 22-36 2
- 330 Dual targeted zeolitic imidazolate framework nanoparticles for treating metastatic breast cancer and inhibiting bone destruction. **2022**, 219, 112826 ○
- 329 Challenging the fundamental conjectures in nanoparticle drug delivery for chemotherapy treatment of solid cancers. **2022**, 190, 114525 1
- 328 Size effect of cellulose nanocrystals in cellular internalization and exosome-packaging exocytosis. **2022**, 298, 120131 ○
- 327 Virus-like particles for drug delivery: a review of methods and applications. **2022**, 78, 102785 ○
- 326 Carboxymethylated polysaccharides in drug delivery. **2023**, 63-81 ○
- 325 Nanotechnologies in Oncology. **2022**, 2993-3016 ○
- 324 The protein corona reduces the anticancer effect of graphene oxide in HER-2-positive cancer cells. **2022**, 4, 4009-4015 1
- 323 DNA nanodevices in nanomedicine and therapeutics. **2022**, 275-287 ○
- 322 Polymeric micelles for drug delivery in oncology with an emphasis on siRNA conveyance. **2022**, 199-284 ○

321	Magnetotactic bacteria AMB-1 with active deep tumor penetrability for magnetic hyperthermia of hypoxic tumors.	0
320	Swarms: The Next Frontier for Cancer Nanomedicine. 2022 , 269-288	0
319	A targeted hydrodynamic gold nanorod delivery system based on gigahertz acoustic streaming.	0
318	Biodistribution, degradability and clearance of 2D materials for their biomedical applications. 2022 , 51, 7732-7751	3
317	A highly efficient polydopamine encapsulated clinical ICG theranostic nanoplatform for enhanced photothermal therapy of cervical cancer. 2022 , 4, 4016-4024	0
316	Activated aggregation strategies to construct size-increasing nanoparticles for cancer therapy.	0
315	The Role of Optical Imaging in Translational Nanomedicine. 2022 , 13, 137	0
314	Interaction of Nanomaterials with Protein-Peptide. 2022 , 23, 548-562	0
313	Engineering nano-drug biointerface to overcome biological barriers toward precision drug delivery. 2022 , 20,	3
312	Recombinant Attenuated Salmonella enterica as a Delivery System of Heterologous Molecules in Cancer Therapy. 2022 , 14, 4224	0
311	Lubricant-entrenched slippery surface-based nanocarriers to avoid macrophage uptake and improve drug utilization. 2022 ,	0
310	A single intravenous injection of cyclosporin A loaded lipid nanocapsules prevents retinopathy of prematurity. 2022 , 8,	1
309	Genetically engineered macrophage membrane-coated nanoparticles for enhanced tumor targeting and synergistic cancer therapy.	0
308	The Yin and Yang of the protein corona on the delivery journey of nanoparticles.	1
307	Biodistribution Profile of Magnetic Nanoparticles in Cirrhosis-Associated Hepatocarcinogenesis in Rats by AC Biosusceptometry. 2022 , 14, 1907	0
306	Recent advancement of bioinspired nanomaterials and their applications: A review. 10,	0
305	Multifunctional Magnetic Nanoparticles for Dynamic Imaging and Therapy. 2200053	0
304	Biomaterial-targeted precision nanoparticle delivery to the injured spinal cord. 2022 ,	0

303	Design Strategies of Tumor-Targeted Delivery Systems Based on 2D Nanomaterials. 2200853	2
302	Motile-targeting drug delivery platforms based on micro/nanorobots for tumor therapy. 10,	2
301	Metal-Polymer Nanoconjugates Application in Cancer Imaging and Therapy. 2022 , 12, 3166	0
300	Application of nanotechnology in the early diagnosis and comprehensive treatment of gastrointestinal cancer. 2022 , 20,	0
299	Medical Swimming Cellbots. 2022 , 2, 2200094	0
298	Harnessing Protein Corona for Biomimetic Nanomedicine Design. 2022 , 7, 126	2
297	XA pH-Responsive and Colitis-Targeted Nanoparticle Loaded with Shikonin for the Oral Treatment of Inflammatory Bowel Disease in Mice.	0
296	Progress of Research in In Situ Smart Hydrogels for Local Antitumor Therapy: A Review. 2022 , 14, 2028	1
295	A Biomolecular Toolbox for Precision Nanomotors. 2205746	0
294	Cell-derived Vesicles for the Nanoparticles Coating: Biomimetic Approaches for Enhanced Blood Circulation and Cancer Therapy. 2201214	0
293	Development of Injectable and Biodegradable Needle-Type Starch Implant for Effective Intratumoral Drug Delivery and Distribution. Volume 17, 4307-4319	0
292	Internal Wireless Electrical Stimulation from Piezoelectric Barium Titanate Nanoparticles as a New Strategy for the Treatment of Triple-Negative Breast Cancer. 2022 , 14, 45032-45041	1
291	Bioimaging with Upconversion Nanoparticles. 2200098	0
290	pH-activatable oxidative stress amplifying dissolving microneedles for combined chemo-photodynamic therapy of Melanoma. 2022 ,	0
289	Nanocarriers for cancer nano-immunotherapy.	2
288	Zwitterionic Biomaterials.	6
287	Synthesis of glycyrrhetic acid-modified liposomes to deliver Murrayafoline A for treatment of hepatocellular carcinoma. 2022 , 33,	0
286	Near-infrared fluorophores with absolute aggregation-caused quenching and negligible fluorescence re-illumination for in vivo bioimaging of nanocarriers.	0

285	Evaluation of Nanoparticle Stability under Blood Flow Shear.	0
284	Enhanced Acoustic Droplet Vaporization through the Active Magnetic Accumulation of Drug-Loaded Magnetic Particle-Encapsulated Nanodroplets (MPE-NDs) in Cancer Therapy.	2
283	Bioinspired Fluorescent Polymers: Synthesis, Processing, and Applications.	0
282	Preclinical development of carrier-free prodrug nanoparticles for enhanced antitumor therapeutic potential with less toxicity. 2022 , 20,	0
281	Bio-inspired Coordination-Assembled Nanoparticles for Enhanced Drug Delivery of Tumor Chemotherapeutics. 2200131	0
280	Multifunctional nanoprobe for macrophage imaging. 2022 , 290, 121824	1
279	The safe Laccase@ZIF-8-prodrug system with GSH redox cycle for effective targeted cancer therapy with low off-target toxicity. 2022 , 220, 112853	0
278	The importance of the IL -1 family of cytokines in nanoimmunosafety and nanotoxicology. 2022 , 14,	0
277	Nanoencapsulation of tyrosine kinase inhibitors for oncological therapeutics. 2022 , 251-267	0
276	Polymeric Micelles for Targeted Drug Delivery Systems. 2022 , 521-559	0
275	A Magnetically-controlled 3D-printed Helical Microrobot for Application in Photothermal Treatment of Cancer Cells. 2022 ,	0
274	Advances in the Application of Nanomaterials to the Treatment of Melanoma. 2022 , 14, 2090	0
273	Acoustically Driven Cell-Based Microrobots for Targeted Tumor Therapy. 2022 , 14, 2143	0
272	Stromal Homeostasis-Restoring Nanomedicine Enhances Pancreatic Cancer Chemotherapy.	0
271	A Macrophage Membrane Polymer Hybrid Biomimetic Nanoplatform for Therapeutic Delivery of Somatostatin Peptide to Chronic Pancreatitis. 2022 , 14, 2341	0
270	Targeting drugs to tumours using cell membrane-coated nanoparticles.	10
269	Precise Design Strategies of Nanotechnologies for Controlled Drug Delivery. 2022 , 13, 188	1
268	Enhanced delivery of the phototherapeutic nanoparticles via hepatocyte overload. 2022 , 112959	0

- 267 Enhanced Tumor Accumulation of Multimodal Magneto-Plasmonic Nanoparticles via an Implanted Micromagnet-Assisted Delivery Strategy. 2201585 ○
- 266 Preparation of DSPE-PEG-cRGD Modified Cationic Liposomes for Delivery of OC-2 shRNA and The Antitumor Effects on Breast Cancer. **2022**, 14, 2157 ○
- 265 Principle, Fabrication and Emerging Applications of Nanobottle Motor. **2022**, 15, 7636 ○
- 264 Systematic design of cell membrane coating to improve tumor targeting of nanoparticles. **2022**, 13, ○
- 263 Interference of Glucose Bioavailability of Tumor by Engineered Biohybrids for Potentiating Targeting and Uptake of Antitumor Nanodrugs. ○
- 262 Nanotherapy based on magneto-mechanochemical modulation of tumor redox state. ○
- 261 Nanotherapeutics Plus Immunotherapy in Oncology: Who Brings What to the Table?. **2022**, 14, 2326 ○
- 260 Nano-drug delivery system for pancreatic cancer: A visualization and bibliometric analysis. 13, ○
- 259 Micro and nanotechnologies: The little formulations that could. ○
- 258 Nanomaterials in diagnostics, imaging and delivery: Applications from COVID-19 to cancer. ○
- 257 Insights into the mapping of green synthesis conditions for ZnO nanoparticles and their toxicokinetics. ○
- 256 Elasticity regulates nanomaterial transport as delivery vehicles: Design, characterization, mechanisms and state of the art. **2022**, 121879 ○
- 255 An Implantable Polydopamine Nanoparticle-in-Nanofiber Device for Synergistic Cancer Photothermal/Chemotherapy. 2200076 ○
- 254 Upconversion Nanoparticles for Cancer Therapy. 2200092 ○
- 253 Recent advances in gene therapy: genetic bullets to the root of the problem. ○
- 252 Leukocyte-nanomedicine system for targeted delivery and precise theragnostics. **2022**, 8, 2591-2593 1
- 251 Immunocyte-Derived Nanodrugs for Cancer Therapy. 2207181 ○
- 250 Sex-Based Differences in the Biodistribution of Nanoparticles and Their Effect on Hormonal, Immune, and Metabolic Function. 2200089 ○

- 249 Physiologically Based Pharmacokinetic Modeling of Nanoparticle Biodistribution: A Review of Existing Models, Simulation Software, and Data Analysis Tools. **2022**, 23, 12560 1
- 248 Taylor Dispersion Analysis to support lipid-nanoparticle formulations for mRNA vaccines. 0
- 247 A Nanomedicine Structure-Activity Framework for Research, Development, and Regulation of Future Cancer Therapies. 1
- 246 Uncloaking cell-impermeant gold nanorods via tumor microenvironmental cathepsin B facilitates cancer cell penetration and potent radiosensitization. **2022**, 121887 1
- 245 Digital micelles of encoded polymeric amphiphiles for direct sequence reading and ex vivo label-free quantification. 0
- 244 Zonal Intratumoral Delivery of Nanoparticles Guided by Surface Functionalization. 0
- 243 Computational study on the uptake of soft nanoparticles and nanoparticle cluster by cells. **2022**, 132, 174702 0
- 242 Doxorubicin-liposome combined with clodronate-liposome inhibits hepatocellular carcinoma through the depletion of macrophages and tumor cells. **2022**, 122346 0
- 241 Rapid Biotransformation of Luminescent Bimetallic Nanoparticles in Hepatic Sinusoids. 1
- 240 On predicting heterogeneity in nanoparticle dosage. **2022**, 108928 0
- 239 An Advanced Thermal Decomposition Method to Produce Magnetic Nanoparticles with Ultrahigh Heating Efficiency for Systemic Magnetic Hyperthermia. 2200916 0
- 238 Targeting nanoparticle-conjugated microbubbles combined with ultrasound-mediated microbubble destruction for enhanced tumor therapy. **2022**, 106532 0
- 237 Injectable rapidly dissolving needle-type gelatin implant capable of delivering high concentrations of H₂O₂ through intratumoral injection. **2022**, 156, 113910 0
- 236 Tailoring carrier-free nanocombo of small-molecule prodrug for combinational cancer therapy. **2022**, 352, 256-275 1
- 235 Photonic and magnetic materials for on-demand local drug delivery. **2022**, 191, 114584 1
- 234 A decade of the liposome-protein corona: Lessons learned and future breakthroughs in theranostics. **2022**, 47, 101657 1
- 233 Design of cysteine-based self-assembling polymer drugs for anticancer chemotherapy. **2022**, 220, 112909 0
- 232 Development of nanotechnology-mediated precision radiotherapy for anti-metastasis and radioprotection. 1

231	Preclinical validation of a new hybrid molecule loaded in liposomes for melanoma management. 2023 , 157, 114021	2
230	Engineering of BODIPY-based theranostics for cancer therapy. 2023 , 476, 214908	1
229	Nanoparticles for MRI-guided radiation therapy: a review. 2022 , 13,	2
228	Gallic Acid-Trimethylene Glycol Aptadendrimers Synthesis, Biophysical Characterization and Cellular Evaluation. 2022 , 14, 2456	0
227	pH-Sensitive Targeting of Tumors with Chemotherapy-Laden Nanoparticles: Progress and Challenges. 2022 , 14, 2427	1
226	Sex-Specific Silica Nanoparticle Protein Corona Compositions Exposed to Male and Female BALB/c Mice Plasmas.	0
225	Delivery of Theranostic Nanoparticles to Various Cancers by Means of Integrin-Binding Peptides. 2022 , 23, 13735	1
224	Fn14-Directed DART Nanoparticles Selectively Target Neoplastic Cells in Preclinical Models of Triple-Negative Breast Cancer Brain Metastasis.	0
223	Surface Design Options in Polymer- and Lipid-Based siRNA Nanoparticles Using Antibodies. 2022 , 23, 13929	0
222	Flash drug release from nanoparticles accumulated in the targeted blood vessels facilitates the tumour treatment. 2022 , 13,	1
221	BSA-magnetite nanotorpedo for safe and efficient delivery of chemotherapy drugs. 2022 , 140440	1
220	Engineered Macrophages: A Safe-by-Design Approach for the Tumor Targeting Delivery of Sub-50nm Gold Nanoparticles. 2205474	0
219	Comparative efficacy of cephadrine-loaded silver and gold nanoparticles against resistant human pathogens. 2022 , 50, 312-321	0
218	The engineering challenges and opportunities when designing potent ionizable materials for the delivery of ribonucleic acids.	0
217	Hydrogel microtumor arrays to evaluate nanotherapeutics. 2201696	0
216	Image Guided Drug Delivery in Nanosystem-based Cancer Therapies. 2022 , 114621	0
215	Exosomes loaded with ultrasmall Pt nanoparticles: a novel low-toxicity alternative to cisplatin. 2022 , 20,	0
214	Strategies to overcome/penetrate the BBB for systemic nanoparticle delivery to the brain/brain tumor. 2022 , 114619	1

213	Cell surface biotinylation to identify the receptors involved in nanoparticle uptake into endothelial cells. 2022 ,	0
212	Mediation of synergistic chemotherapy and gene therapy via nanoparticles based on chitosan and ionic polysaccharides. 2022 , 223, 290-306	0
211	The past, present, and future of chemotherapy with a focus on individualization of drug dosing. 2022 , 352, 840-860	2
210	BSA-AIE nanoparticles with boosted ROS generation for immunogenic cell death immunotherapy of multiple myeloma. 2208692	0
209	Delivering on the promise of recombinant silk-inspired proteins for drug delivery. 2022 , 114622	1
208	Organelle-targeted therapies: a comprehensive review on system design for enabling precision oncology. 2022 , 7,	2
207	Enhanced tumor penetration for efficient chemotherapy by a magnetothermally sensitive micelle combined with magnetic targeting and magnetic hyperthermia. 13,	0
206	Exosomal delivery of TRAIL and miR-335 for the treatment of hepatocellular carcinoma (Review). 2022 , 51,	0
205	Extracellular matrix degrading enzyme with stroma-targeting peptides enhance the penetration of liposomes into tumors. 2022 , 352, 1093-1103	0
204	Thermoresponsive polymers: Phase behavior, drug delivery, and biomedical applications. 2023 , 47-64	0
203	Tailored NIR-II Lanthanide Luminescent Nanocrystals for Improved Biomedical Application. 2202039	0
202	NADPH Selective Depletion Nanomedicine-Mediated Radio-Immuno-metabolism Regulation for Strengthening Anti-PDL1 Therapy against TNBC. 2203788	1
201	Light-triggered polymeric prodrug and nano-assembly for chemo-photodynamic therapy and potentiate immune checkpoint blockade immunotherapy for hepatocellular carcinoma. 2023 , 225, 111457	0
200	Nanotechnology-based approaches overcome lung cancer drug resistance through diagnosis and treatment. 2023 , 66, 100904	0
199	Controlled propulsion of micro/nanomotors: operational mechanisms, motion manipulation and potential biomedical applications. 2022 , 51, 10083-10119	3
198	Radiolabeled albumin through SNAr of cysteines as a potential pretargeting theranostic agent. 2022 , 12, 35032-35036	0
197	Current advances in the application of nanomedicine in bladder cancer. 2023 , 157, 114062	0
196	Bio- and eco-corona related to plants: Understanding the formation and biological effects of plant protein coatings on nanoparticles. 2023 , 317, 120784	0

195	Development of nanoparticle loaded microneedles for drug delivery to a brain tumour resection site. 2023 , 182, 53-61	1
194	Enhanced drug delivery to cancer cells through a pH-sensitive polycarbonate platform.	0
193	Camptothecin loaded nano-delivery systems in the cancer therapeutic domains: A critical examination of the literature. 2023 , 79, 104034	0
192	Combinatorial physical methods for cellular therapy: Towards the future of cellular analysis?. 2023 , 353, 1084-1095	0
191	Protein encapsulation of nanocatalysts: A feasible approach to facilitate catalytic theranostics. 2023 , 192, 114648	1
190	A comparative study on micelles, liposomes and solid lipid nanoparticles for paclitaxel delivery. 2023 , 631, 122464	0
189	Applications and challenges of ultra-small particle size nanoparticles in tumor therapy. 2023 , 353, 699-712	0
188	Applications of AFM-IR for drug delivery vector characterization: infrared, thermal, and mechanical characterization at the nanoscale. 2023 , 192, 114646	0
187	Glioblastoma immuno-endothelial multicellular microtissue as a 3D in vitro evaluation tool of anti-cancer nano-therapeutics. 2023 , 353, 77-95	1
186	A DNA origami nanostructure embedded with NQO1-activated prodrugs for precision drug delivery.	1
185	Pathological changes in GPCR signal organisation: Opportunities for targeted therapies for triple negative breast cancer. 2023 , 241, 108331	0
184	Synergistic effect of ultrasound and light to efficient singlet oxygen formation for photodynamic purposes. 2023 , 210, 110986	2
183	Biomedical applications and prospects of temperature-orchestrated photothermal therapy. 2022 , 1,	0
182	Computational Study on the Regulatory Mechanism of Cell Membrane Wrapping on Liposomes by Embedded Bowl-like Nanostructures for Drug Delivery. 2022 , 5, 18337-18348	0
181	siRNA Functionalized Lipid Nanoparticles (LNPs) in Management of Diseases. 2022 , 14, 2520	2
180	In Response to Precision Medicine: Current Subcellular Targeting Strategies for Cancer Therapy. 2209529	1
179	Shiga Toxin-B Targeted Gold Nanorods for Local Photothermal Treatment in Oral Cancer Clinical Samples. Volume 17, 5747-5760	0
178	Organism-Generated Biological Vesicles In Situ: An Emerging Drug Delivery Strategy. 2204178	0

- 177 Near-Infrared Light-Responsive Nanosystem with Prolonged Circulation and Enhanced Penetration for Increased Photothermal and Photodynamic Therapy. 1-10 ○
- 176 Co-delivery of immunochemotherapeutic by classified targeting based on chitosan and cyclodextrin derivatives. **2022**, ○
- 175 Deep tumor-penetrating nano-delivery strategy to improve diagnosis and therapy in patient-derived xenograft (PDX) oral cancer model and patient tissue. ○
- 174 Deep Tissue Penetration of Bottle-Brush Polymers via Cell Capture Evasion and Fast Diffusion. 2
- 173 Polymeric Microneedle-Based Drug Delivery Platforms for Application in Cancer Therapy. **2023**, 309-324 ○
- 172 Efficient Tumor Eradication at Ultralow Drug Concentration via Externally Controlled and Boosted Metallic Iron Magnetoplasmonic Nanocapsules. ○
- 171 Clinical Trials Involving Chemotherapy-Based Nanocarriers in Cancer Therapy: State of the Art and Future Directions. **2023**, 325-383 ○
- 170 Bridging the In Vitro to In Vivo gap: Using the Chick Embryo Model to Accelerate Nanoparticle Validation and Qualification for In Vivo studies. ○
- 169 Role of Surface Charge of Nanoscale Ultrasound Contrast Agents in Complement Activation and Phagocytosis. Volume 17, 5933-5946 ○
- 168 Targeted Protein Degradation: Clinical Advances in the Field of Oncology. **2022**, 23, 15440 1
- 167 A Predictive Pharmacokinetic Model for Immune Cell-Mediated Uptake and Retention of Nanoparticles in Tumors. **2022**, 23, 15664 ○
- 166 Longitudinal in vivo biodistribution of nano and micro sized hydroxyapatite particles implanted in a bone defect. 10, ○
- 165 A hepatocyte-targeting nanoparticle for enhanced hepatobiliary magnetic resonance imaging. ○
- 164 Polymeric Micelles for Targeted Drug Delivery System. **2022**, 58, 726-737 ○
- 163 Iron-Containing Protein-Mimic Supramolecular Iron Delivery Systems for Ferroptosis Tumor Therapy. ○
- 162 Overcoming tumor and mucosal barriers through active-loaded nanocarriers: nanoparticles and exosomes. ○
- 161 Gold nanoparticle delivery to solid tumors: a multiparametric study on particle size and the tumor microenvironment. **2022**, 20, ○
- 160 Mannose-modified hyaluronic acid nanocapsules for the targeting of tumor-associated macrophages. ○

- 159 Application of Prussian blue nanoparticles and paclitaxel encapsulated in melanoma cell membrane in the treatment of melanoma. **2022**, 0
- 158 Engineered bacteria combined with doxorubicin nanoparticles suppress angiogenesis and metastasis in murine melanoma models. **2022**, 0
- 157 Hydrogen Bonding Nanoarchitectonics of Organic Pigment-Based Janus Microrobots with Entering Capability into Cancer Cells. 1
- 156 Phase-separated Liposomes Hijack Endogenous Lipoprotein Transport and Metabolism Pathways to Target Subsets of Endothelial Cells in vivo. 2202709 0
- 155 Unraveling Plasma Protein Corona by Ultrasonic Cavitation Augments Active-Transporting of Liposome in Solid Tumor. 2207271 0
- 154 Multifunctional Nanoparticles For Organelle-Specific Targeted Drug Delivery In Cancer Therapy. **2022**, 13, 0
- 153 Global sensitivity analysis based on Gaussian-process metamodelling for complex biomechanical problems. 0
- 152 Multifunctional ROS-Responsive and TME-Modulated Lipid-Polymer Hybrid Nanoparticles for Enhanced Tumor Penetration. Volume 17, 5883-5897 0
- 151 In Vivo Surface-Enhanced Transmission Raman Spectroscopy under Maximum Permissible Exposure: Toward Photosafe Detection of Deep-Seated Tumors. 2201334 0
- 150 Artificial and Naturally Derived Phospholipidic Bilayers as Smart Coatings of Solid-State Nanoparticles: Current Works and Perspectives in Cancer Therapy. **2022**, 23, 15815 0
- 149 Targeted ferroptotic potency of ferrous oxide nanoparticles-diethyldithiocarbamate nanocomplex on the metastatic liver cancer. 13, 0
- 148 Harnessing Engineered Immune Cells and Bacteria as Drug Carriers for Cancer Immunotherapy. 0
- 147 Self-assembled FGF21 nanoparticles alleviate drug-induced acute liver injury. 13, 0
- 146 Research and Development of Supramolecules as Anticancer Drugs. **2022**, 55-87 0
- 145 Research and Application of Kupffer Cell Thresholds for BSA Nanoparticles. **2023**, 28, 880 0
- 144 Hyaluronic Acid-Modified Cisplatin-Encapsulated Poly(Lactic-co-Glycolic Acid) Magnetic Nanoparticles for Dual-Targeted NIR-Responsive Chemo-Photothermal Combination Cancer Therapy. **2023**, 15, 290 2
- 143 Localized Instillation Enables In Vivo Screening of Targeting Peptides Using One-Bead One-Compound Technology. 0
- 142 Distribution and inflammatory cell response to intracranial delivery of radioluminescent Y2(SiO4)O:Ce particles. **2023**, 18, e0276819 0

- 141 Interactions of Apolipoproteins with Lipid-Based Nanoparticles. ○
- 140 Advanced strategies to evade the mononuclear phagocyte system clearance of nanomaterials. 20220045 ○
- 139 Nanocrystal Self-Assembly in Cells. **2023**, 383-402 ○
- 138 Nanoparticle Drug Delivery Systems and Their Applications as Targeted Therapies for Triple Negative Breast Cancer. **2023**, 101070 ○
- 137 Clinically Translatable Transcroctetin Delivery Platform for Correction of Tumor Hypoxia and Enhancement of Radiation Therapy Effects. 2205961 ○
- 136 Activity-induced migration of viscous droplets on a solid substrate. **2023**, 955, ○
- 135 Review of the Delivery Kinetics of Thermosensitive Liposomes. **2023**, 15, 398 ○
- 134 Multivalent effect of peptide functionalized polymeric nanoparticles towards selective prostate cancer targeting. ○
- 133 Self-supplying Cu²⁺ and oxidative stress synergistically enhanced disulfiram-mediated melanoma chemotherapy. ○
- 132 Trend in biodegradable porous nanomaterials for a anticancer drug delivery. ○
- 131 The role of cell membrane-coated nanoparticles as a novel treatment approach in glioblastoma. 9, ○
- 130 Radiation-assisted strategies provide new perspectives to improve the nanoparticle delivery to tumor. **2023**, 193, 114642 ○
- 129 Hook&LoopMultivalent interactions based on disk-shaped nanoparticles strengthen active targeting. **2023**, 354, 279-293 ○
- 128 Reduction-responsive worm-like nanoparticles for synergistic cancer chemo-photodynamic therapy. **2023**, 18, 100542 ○
- 127 Persistent luminescence-activated Janus nanomotors with integration of photodynamic and photothermal cancer therapies. **2023**, 457, 141226 ○
- 126 Accelerated clearance by antibodies against methoxy PEG depends on pegylation architecture. **2023**, 354, 354-367 ○
- 125 Polysaccharide-based nanocarriers for efficient transvascular drug delivery. **2023**, 354, 167-187 ○
- 124 Design, Fabrication, and Wireless Control of 3D-microprinted Robots for Biomedical Applications. **2022**, ○

- 123 Engineering magnetic nano-manipulators for boosting cancer immunotherapy. **2022**, 20, 0
- 122 Aptamer-functionalized liposomes for targeted cancer therapy. **2023**, 141-172 0
- 121 A Magnetically Driven Amoeba-Like Nanorobot for Whole-Process Active Drug Transport. 2204793 0
- 120 Recent Progress of Gold-Based Nanostructures towards Future Emblem of Photo-Triggered Cancer Theranostics: A Special Focus on Combinatorial Phototherapies. **2023**, 15, 433 0
- 119 Histone Deacetylase-Triggered Self-Immolative Peptide-Cytotoxins for Cancer-Selective Drug Delivery. 2214025 0
- 118 A Self-Enhancing Nanoreactor Reinforces Radioimmunotherapy by Reprogramming Nutrients and Redox Metabolisms. 2212510 0
- 117 Biomaterials and biomaterial-based fibers in drug delivery systems. **2023**, 97-126 0
- 116 Boosting the Potential of Chemotherapy in Advanced Breast Cancer Lung Metastasis via Micro-Combinatorial Hydrogel Particles. 2205223 0
- 115 Progress of Endogenous and Exogenous Nanoparticles for Cancer Therapy and Diagnostics. **2023**, 14, 259 1
- 114 Quantitative Comparison of Gold Nanoparticle Delivery via the Enhanced Permeation and Retention (EPR) Effect and Mesenchymal Stem Cell (MSC)-Based Targeting. 0
- 113 Therapeutic Strategies to Overcome Fibrotic Barriers to Nanomedicine in the Pancreatic Tumor Microenvironment. **2023**, 15, 724 0
- 112 Passive, active and endogenous organ-targeted lipid and polymer nanoparticles for delivery of genetic drugs. 2
- 111 Influence of Nanodiamonds on Enhancement of Fluorescence of Products of the Tryptophan-Phototransformation Reaction in the Presence of Halogenated Carbohydrates. 0
- 110 Advances in Liposome-Encapsulated Phthalocyanines for Photodynamic Therapy. **2023**, 13, 305 1
- 109 Dendrimers and dendrimer-based nano-objects for oncology applications. **2023**, 41-78 0
- 108 Targeted modulation of immune cells and tissues using engineered biomaterials. 0
- 107 Bioconjugation studies of an EGF-R targeting ligand on dendronized iron oxide nanoparticles to target head and neck cancer cells. **2023**, 122654 0
- 106 Tumor vascular heterogeneity and the impact of subtumoral nanoemulsion biodistribution. **2022**, 17, 2073-2088 0

- 105 Drug discovery: Standing on the shoulders of giants. **2023**, 207-338
- 104 Imaging of Tumor-Associated Macrophages. **2023**, 1-19
- 103 A tumor-targeting and ROS-responsive iron-based T1 magnetic resonance imaging contrast agent for highly specific tumor imaging. **2023**, 11, 3176-3185
- 102 Analysis of PEG-lipid anchor length on lipid nanoparticle pharmacokinetics and activity in a mouse model of traumatic brain injury.
- 101 Principles of Nanoparticle Delivery to Solid Tumors. **2023**, 4,
- 100 Highly localized, efficient, and rapid photothermal therapy using gold nanobipyramids for liver cancer cells triggered by femtosecond laser. **2023**, 13,
- 99 Feasibility of Coacervate-Like Nanostructure for Instant Drug Nanoformulation. **2023**, 15, 17485-17494
- 98 Development of Thiol-Maleimide hydrogels incorporating graphene-based nanomaterials for cancer chemo-photothermal therapy. **2023**, 635, 122713
- 97 Gold Complexes in Anticancer Therapy: From New Design Principles to Particle-Based Delivery Systems.
- 96 YAP signaling regulates the cellular uptake and therapeutic effect of nanoparticles.
- 95 Extracellular vesicles: A dive into their role in the tumor microenvironment and cancer progression. 11,
- 94 Exploration of tumor penetrating peptide iRGD as a potential strategy to enhance tumor penetration of cancer nanotherapeutics. **2023**, 188895
- 93 Insulin Activation Mediated by Uptake Mechanisms: A Comparison of the Behavior between Polymer Nanoparticles and Extracellular Vesicles in 3D Liver Tissues.
- 92 Human solid tumors and clinical relevance of the enhanced permeation and retention effect: a "golden gate" for nanomedicine in preclinical studies?.
- 91 Meta-Analysis of Material Properties Influencing Nanoparticle Plasma Pharmacokinetics. **2023**, 122951
- 90 Pharmacokinetics and tumor delivery of nanoparticles. **2023**, 104404
- 89 Myeloid cell-mediated drug delivery: from nanomedicine to cell therapy. **2023**, 114827
- 88 Transcytosis Mediated Deep Tumor Penetration for Enhanced Chemotherapy and Immune Activation of Pancreatic Cancer.

- 87 Dual size/charge-switchable and multi-responsive gelatin-based nanocluster for targeted anti-tumor therapy. **2023**, 238, 124032 ○
- 86 Porphyrin-based porous organic polymer coated ZIF-8 nanoparticles as tumor targeted photosensitizer for combination cancer photodynamic/photothermal therapy. **2023**, 355, 112562 ○
- 85 Silica nanocarrier-mediated intracellular delivery of rapamycin promotes autophagy-mediated M2 macrophage polarization to regulate bone regeneration. **2023**, 20, 100623 ○
- 84 Platinum-based combination nanomedicines for cancer therapy. **2023**, 74, 102290 ○
- 83 Bioorthogonal catalysis in complex media: Consequences of using polymeric scaffold materials on catalyst stability and activity. **2023**, 418, 114116 ○
- 82 Zwitterionic peptides: Tunable next-generation stealth nanoparticle modifications. **2023**, 27, 113-124 ○
- 81 Advances in nuclei targeted delivery of nanoparticles for the management of cancer. **2023**, 1878, 188881 ○
- 80 Successful Salvage Brachytherapy after Infusion of Gold AuroShell Nanoshells for Localized Prostate Cancer in a Human Patient. **2023**, 8, 101202 ○
- 79 Nutrient-sensing nanoprotoplast augments tumor accumulation and immune response with short-term starvation. **2023**, 49, 101762 ○
- 78 Bioinspired microrobots: Opportunities and challenges in targeted cancer therapy. **2023**, 354, 439-452 ○
- 77 Nanoparticle biodistribution coefficients: A quantitative approach for understanding the tissue distribution of nanoparticles. **2023**, 194, 114708 ○
- 76 Influence of lung cancer model characteristics on tumor targeting behavior of nanodrugs. **2023**, 354, 538-553 ○
- 75 Surface engineering of colloidal nanoparticles. **2023**, 10, 1185-1209 ○
- 74 Artificial intelligence aids in development of nanomedicines for cancer management. **2023**, 89, 61-75 4
- 73 Prominent enhancement of peptide-mediated targeting efficiency for human hepatocellular carcinomas with composition-engineered protein corona on gold nanoparticles. **2023**, 662, 131016 ○
- 72 Functionalization of graphene oxide quantum dots for anticancer drug delivery. **2023**, 80, 104199 ○
- 71 In situ synthesized nanozyme for photoacoustic-imaging-guided photothermal therapy and tumor hypoxia relief. **2023**, 26, 106066 ○
- 70 Radiolabeled Biodistribution of Expansile Nanoparticles: Intraperitoneal Administration Results in Tumor Specific Accumulation. **2023**, 17, 2212-2221 ○

- 69 Camouflaged Virus-Like-Nanocarrier with a Transformable Rough Surface for Boosting Drug Delivery. **2023**, 135, ○
- 68 Camouflaged Virus-Like-Nanocarrier with a Transformable Rough Surface for Boosting Drug Delivery. **2023**, 62, ○
- 67 Design and Evaluation of a Carrier-Free Prodrug-Based PalmiticDEVDDoxorubicin Conjugate for Targeted Cancer Therapy. **2023**, 34, 333-344 ○
- 66 Planted Graphene Quantum Dots for Targeted, Enhanced Tumor Imaging and Long-Term Visualization of Local Pharmacokinetics. 2210809 ○
- 65 Intravital Microscopy Reveals Endothelial Transcytosis Contributing to Significant Tumor Accumulation of Albumin Nanoparticles. **2023**, 15, 519 ○
- 64 In situ albumin-binding and esterase-specifically cleaved BRD4-degrading PROTAC for targeted cancer therapy. **2023**, 295, 122038 ○
- 63 Exosome nanovesicles: A potential carrier for therapeutic delivery. **2023**, 49, 101771 ○
- 62 Stimuli-Responsive Gene Delivery Nanocarriers for Cancer Therapy. **2023**, 15, ○
- 61 Folic acid-decorated alginate nanoparticles loaded hydrogel for the oral delivery of diferourylmethane in colorectal cancer. **2023**, 233, 123585 ○
- 60 Pharmacological ascorbate potentiates combination nanomedicines and reduces cancer cell stemness to prevent post-surgery recurrence and systemic metastasis. **2023**, 295, 122037 ○
- 59 Nanoparticles of VAV1 siRNA combined with LL37 peptide for the treatment of pancreatic cancer. **2023**, 355, 312-326 ○
- 58 Structural Dynamics of (RGD)₄PGC Peptides in Solvated and Au Nanorod Surface-Bound Forms Examined by Ultrafast 2D IR Spectroscopy. **2023**, 127, 3532-3541 ○
- 57 Enhancing Skin Cancer Immunotheranostics and Precision Medicine through Functionalized Nanomodulators and Nanosensors: Recent Development and Prospects. **2023**, 24, 3493 ○
- 56 Obesity and inflammation influence pharmacokinetic profiles of PEG-based nanoparticles. **2023**, 355, 434-445 ○
- 55 Controlled sequential in situ self-assembly and disassembly of a fluorogenic cisplatin prodrug for cancer theranostics. **2023**, 14, 1
- 54 Biomimetic nanotherapeutics for targeted drug delivery to glioblastoma multiforme. ○
- 53 Neoadjuvant Gold Nanoshell-Based Photothermal Therapy Combined with Liposomal Doxorubicin in a Mouse Model of Colorectal Cancer. Volume 18, 829-841 ○
- 52 Activity-induced propulsion and separation of passive chiral particles in liquids. **2023**, 8, ○

- 51 Mechanistic Insights into the Biological Effects of Engineered Nanomaterials: A Focus on Gold Nanoparticles. **2023**, 24, 4109 ○
- 50 Revealing the In Situ Behavior of Aggregation-Induced Emission Nanoparticles and Their Biometabolic Effects via Mass Spectrometry Imaging. **2023**, 17, 4463-4473 ○
- 49 Antibody-Functionalized Nanoparticles for Targeted Drug Delivery in Cancer Therapy. **2023**, 1-43 ○
- 48 PLGA-Based Micro/Nanoparticles: An Overview of Their Applications in Respiratory Diseases. **2023**, 24, 4333 ○
- 47 Approaches to Improve EPR-Based Drug Delivery for Cancer Therapy and Diagnosis. **2023**, 13, 389 ○
- 46 Phytosynthesized nanoparticles for cancer diagnosis and treatment. **2023**, 65-85 ○
- 45 Gold Complexes in Anticancer Therapy: From New Design Principles to Particle-Based Delivery Systems. ○
- 44 Learning from human metabolism for nanomedicine: a convertible bismuth-agent for tumour-selective theranostics. ○
- 43 Recent Advances in Activatable Organic Photoacoustic Probes for In Vivo pH-Detection. 2200075 ○
- 42 Boron nanoparticles in chemotherapy and radiotherapy: the synthesis, state-of-the-art, and prospects. **2022**, 71, 2533-2560 ○
- 41 Radiolabeled nanomaterial for cancer diagnostics and therapeutics: principles and concepts. **2023**, 14, ○
- 40 Intravascular Imaging of Atherosclerosis by Using Engineered Nanoparticles. **2023**, 13, 319 ○
- 39 Exploiting endothelial transcytosis to reach into the brain. **2023**, 22, 282-283 ○
- 38 Paclitaxel-Loaded Lipid-Coated Magnetic Nanoparticles for Dual Chemo-Magnetic Hyperthermia Therapy of Melanoma. **2023**, 15, 818 1
- 37 Stimuli-Responsive Multifunctional Nanomedicine for Enhanced Glioblastoma Chemotherapy Augments Multistage Blood-to-Brain Trafficking and Tumor Targeting. 2300029 ○
- 36 Immune Checkpoint and Tumor Therapy. ○
- 35 In vivo toxicity evaluation of tumor targeted glycol chitosan nanoparticles in healthy mice: repeated high-dose of glycol chitosan nanoparticles potentially induce cardiotoxicity. **2023**, 21, ○
- 34 The use of nanoparticles for targeted drug delivery in non-small cell lung cancer. 13, ○

- 33 In Vivo Behavior of Ultrasmall Spherical Nucleic Acids. 2300097
- 32 The power of super-resolution microscopy in modern biomedical science. **2023**, 314, 102880
- 31 Identification of Blood Transport Proteins to Carry Temoporfin: A Domino Approach from Virtual Screening to Synthesis and In Vitro PDT Testing. **2023**, 15, 919
- 30 Enhancing Targeted Therapy in Breast Cancer by Ultrasound-Responsive Nanocarriers. **2023**, 24, 5474
- 29 A photoactive injectable antibacterial hydrogel to support chemo-immunotherapeutic effect of antigenic cell membrane and sorafenib by near-infrared light mediated tumor ablation. **2023**, 19, 100609
- 28 Bioorthogonal Activation of TLR7 Agonists Provokes Innate Immunity to Reinforce Aptamer-Based Checkpoint Blockade. **2023**, 17, 5808-5820
- 27 Reflections on bioengineering's disruptiveness. **2023**, 1, 153-153
- 26 Mechano-boosting nanomedicine antitumour efficacy by blocking the reticuloendothelial system with stiff nanogels. **2023**, 14,
- 25 Systematic evaluation of membrane-camouflaged nanoparticles in neutralizing Clostridium perfringens β toxin. **2023**, 21,
- 24 Promoting the bench-to-bedside translation of nanomedicines. **2023**, 3, 1-3
- 23 Magnetic Nanoscalpel for the Effective Treatment of Ascites Tumors. **2023**, 14, 179
- 22 Injectable Scaffolds for In Vivo Programmed Macrophages Manufacture and Postoperative Cancer Immunotherapy. 2300058
- 21 Tailored Beta-Lapachone Nanomedicines for Cancer-Specific Therapy.
- 20 Eradicating the tumor "seeds" nanomedicines-based therapies against cancer stem cells.
- 19 Smart Nanosystems for Overcoming Multiple Biological Barriers in Cancer Nanomedicines Transport: Design Principles, Progress, and Challenges.
- 18 Non-Viral Carriers for Nucleic Acids Delivery: Fundamentals and Current Applications. **2023**, 13, 903
- 17 Carbon Nanomaterials: Emerging Roles in Immuno-Oncology. **2023**, 24, 6600
- 16 Mechanistic Understanding of Protein Corona Formation around Nanoparticles: Old Puzzles and New Insights.

- 15 Photothermal therapy of papillary thyroid cancer tumor xenografts with targeted thyroid stimulating hormone receptor antibody functionalized multiwalled carbon nanotubes. **2023**, 14, ○
- 14 Heat-Triggered Release of Dexamethasone from Thermosensitive Liposomes Using Prodrugs or Excipients. **2023**, ○
- 13 Evaluation of Nonmodified Wireframe DNA Origami for Acute Toxicity and Biodistribution in Mice. ○
- 12 Role of Micelle Size in Cell Transcytosis-Based Tumor Extravasation, Infiltration, and Treatment Efficacy. ○
- 11 Nanomaterial-based contrast agents. **2023**, 3, ○
- 10 Bubble-Based Microrobots with Rapid Circular Motions for Epithelial Pinning and Drug Delivery. ○
- 9 Lysosomal nanotoxicity: Impact of nanomedicines on lysosomal function. **2023**, 197, 114828 ○
- 8 Systemic Tumor Suppression via Macrophage-Driven Automated Homing of Metal-Phenolic-Gated Nanosponges for Metastatic Melanoma. ○
- 7 pH/Thermal Dual-Sensitive Nanoparticle-Hydrogel Composite Based on Pluronic and Carboxymethyl Chitosan for In Situ Injection and Enhanced Chemo-Photothermal Antitumor Effect. ○
- 6 Artificial intelligence assists nanoparticles to enter solid tumours. ○
- 5 CAR-neutrophil mediated delivery of tumor-microenvironment responsive nanodrugs for glioblastoma chemo-immunotherapy. **2023**, 14, ○
- 4 Engineering cells for precision drug delivery: New advances, clinical translation, and emerging strategies. **2023**, 114840 ○
- 3 Multi-ligand functionalized blood-to-tumor sequential targeting strategies in the field of glioblastoma nanomedicine. ○
- 2 Biomimetic and bioinspired nano-platforms for cancer vaccine development. ○
- 1 Vessel normalization and maturation promotes nanoparticle delivery to solid tumors while minimizing metastases. ○