

# Recent Advances of Using Hybrid Nanocarriers in Remote Delivery

Small

12, 4782-4806

DOI: 10.1002/smll.201601129

Citation Report

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Stimuli-Responsive Release Function Drug Delivery Systems for Tumor Treatment. <i>Molecules</i> , 2016, 21, 1715.	3.8	110
2	Micellized $\beta$ -Cyclodextrin-Based Supramolecular Hydrogel Exhibiting pH-Responsive Sustained Release and Corresponding Oscillatory Shear Behavior Analysis. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 2185-2195.	5.2	19
3	Recent development of synthetic nonviral systems for sustained gene delivery. <i>Drug Discovery Today</i> , 2017, 22, 1318-1335.	6.4	96
4	Fabrication of chitosan/graphene oxide polymer nanofiber and its biocompatibility for cartilage tissue engineering. <i>Materials Science and Engineering C</i> , 2017, 79, 697-701.	7.3	108
5	A comparative in vivo evaluation of bioactive glasses and bioactive glass-based composites for bone tissue repair. <i>Materials Science and Engineering C</i> , 2017, 79, 286-295.	7.3	39
6	Hemostatic kaolin-polyurethane foam composites for multifunctional wound dressing applications. <i>Materials Science and Engineering C</i> , 2017, 79, 702-709.	7.3	64
7	Carbon nanotube ensembled hybrid nanocomposite electrode for direct electrochemical detection of epinephrine in pharmaceutical tablets and urine. <i>Materials Science and Engineering C</i> , 2017, 79, 93-99.	7.3	61
8	Solvothermal synthesis of Sm <sup>3+</sup> -doped Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Materials Science and Engineering C</i> , 2017, 80, 110-116.	7.3	16
9	PVP and PEG doped CuO nanoparticles are more biologically active: Antibacterial, antioxidant, antidiabetic and cytotoxic perspective. <i>Materials Science and Engineering C</i> , 2017, 79, 108-115.	7.3	109
10	High degradation rate of Fe-20Mn-based bio-alloys by accumulative cryo-rolling and annealing. <i>Materials Science and Engineering C</i> , 2017, 79, 37-44.	7.3	11
11	Preparations of hyperbranched polymer nano micelles and the pH/redox controlled drug release behaviors. <i>Materials Science and Engineering C</i> , 2017, 79, 116-122.	7.3	16
12	Design of a new nanocomposite between bismuth nanoparticles and graphene oxide for development of electrochemical sensors. <i>Materials Science and Engineering C</i> , 2017, 79, 262-269.	7.3	23
13	Photodynamic effect of light-harvesting, long-lived triplet excited state Ruthenium(II)-polyimine-coumarin complexes: DNA binding, photocleavage and anticancer studies. <i>Materials Science and Engineering C</i> , 2017, 79, 710-719.	7.3	14
14	Biocompatible curcumin loaded PMMA-PEG/ZnO nanocomposite induce apoptosis and cytotoxicity in human gastric cancer cells. <i>Materials Science and Engineering C</i> , 2017, 80, 59-68.	7.3	69
15	Optimized composition of nanocomposite scaffolds formed from silk fibroin and nano-TiO <sub>2</sub> for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2017, 79, 783-792.	7.3	38
16	A strategy to promote the electroactive platform adopting poly(o-anisidine)-silver nanocomposites probed for the voltammetric detection of NADH and dopamine. <i>Materials Science and Engineering C</i> , 2017, 80, 425-437.	7.3	17
17	Photo-induced surface grafting of phosphorylcholine containing copolymers onto mesoporous silica nanoparticles for controlled drug delivery. <i>Materials Science and Engineering C</i> , 2017, 79, 596-604.	7.3	25
18	Design of a hybrid biomaterial for tissue engineering: Biopolymer-scaffold integrated with an autologous hydrogel carrying mesenchymal stem-cells. <i>Materials Science and Engineering C</i> , 2017, 79, 821-830.	7.3	27

#	ARTICLE	IF	CITATIONS
19	Tunable green graphene-silk biomaterials: Mechanism of protein-based nanocomposites. <i>Materials Science and Engineering C</i> , 2017, 79, 728-739.	7.3	50
20	Low-temperature direct heterogeneous bonding of polyether ether ketone and platinum. <i>Materials Science and Engineering C</i> , 2017, 79, 860-865.	7.3	16
21	Synergistic effects of <i>Woodfordia fruticosa</i> gold nanoparticles in preventing microbial adhesion and accelerating wound healing in Wistar albino rats in vivo. <i>Materials Science and Engineering C</i> , 2017, 80, 252-262.	7.3	50
22	PLGA nanoparticles introduction into mitoxantrone-loaded ultrasound-responsive liposomes: In vitro and in vivo investigations. <i>International Journal of Pharmaceutics</i> , 2017, 528, 47-54.	5.2	29
23	Investigation on direct electrochemical and electrocatalytic behavior of hemoglobin on palladium-graphene modified electrode. <i>Materials Science and Engineering C</i> , 2017, 80, 135-140.	7.3	39
24	Osteogenic differentiation of mesenchymal stem cells (MSCs) induced by three calcium phosphate ceramic (CaP) powders: A comparative study. <i>Materials Science and Engineering C</i> , 2017, 80, 296-300.	7.3	33
25	Time-dependent subcellular structure injuries induced by nano-/micron-sized calcium oxalate monohydrate and dihydrate crystals. <i>Materials Science and Engineering C</i> , 2017, 79, 445-456.	7.3	8
26	Fabrication of DNA nanotubes with an array of exterior magnetic nanoparticles. <i>Materials Science and Engineering C</i> , 2017, 79, 216-220.	7.3	9
27	Caffeine: A novel green precursor for synthesis of magnetic CoFe <sub>2</sub> O <sub>4</sub> nanoparticles and pH-sensitive magnetic alginate beads for drug delivery. <i>Materials Science and Engineering C</i> , 2017, 76, 1085-1093.	7.3	174
28	PEG-PE/clay composite carriers for doxorubicin: Effect of composite structure on release, cell interaction and cytotoxicity. <i>Acta Biomaterialia</i> , 2017, 55, 443-454.	8.3	35
29	Multifunctional Hybrid Nanoparticles for Traceable Drug Delivery and Intracellular Microenvironment- Controlled Multistage Drug-Release in Neurons. <i>Small</i> , 2017, 13, 1603966.	10.0	21
30	In Situ Monitoring Intracellular Structural Change of Nanovehicles through Photoacoustic Signals Based on Phenylboronate-Linked RGD-Dextran/Purpurin 18 Conjugates. <i>Biomacromolecules</i> , 2017, 18, 1249-1258.	5.4	36
31	A review of drug release mechanisms from nanocarrier systems. <i>Materials Science and Engineering C</i> , 2017, 76, 1440-1453.	7.3	182
32	Advanced review of graphene-based nanomaterials in drug delivery systems: Synthesis, modification, toxicity and application. <i>Materials Science and Engineering C</i> , 2017, 77, 1363-1375.	7.3	186
33	Epigallocatechin gallate based magnetic gold nanoshells nanoplatform for cancer theranostic applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 454-463.	5.8	11
34	Safe approaches for camptothecin delivery: Structural analogues and nanomedicines. <i>Journal of Controlled Release</i> , 2017, 247, 28-54.	9.9	80
35	Biomimetically crystallized protease resistant zinc phosphate decorated with gold atomic clusters for bioimaging. <i>Chemical Communications</i> , 2017, 53, 1277-1280.	4.1	8
36	Injectable methotrexate loaded polycaprolactone microspheres: Physicochemical characterization, biocompatibility, and hemocompatibility evaluation. <i>Materials Science and Engineering C</i> , 2017, 81, 542-550.	7.3	36

#	ARTICLE	IF	CITATIONS
37	Four-Dimensional (4D) Printing: Applying Soft Adaptive Materials to Additive Manufacturing. Journal of Molecular and Engineering Materials, 2017, 05, 1740003.	1.8	13
38	Nano- $\sigma$ -Shaped Polymers for Drug Delivery Applications. Macromolecular Rapid Communications, 2017, 38, 1700410.	3.9	109
39	Ultrasonically assisted preparation of poly(acrylic acid)/calcium phosphate hybrid nanogels as pH-responsive drug carriers. Materials Science and Engineering C, 2017, 80, 688-697.	7.3	28
40	Doxorubicin Intracellular Remote Release from Biocompatible Oligo(ethylene glycol) Methyl Ether Methacrylate-Based Magnetic Nanogels Triggered by Magnetic Hyperthermia. ACS Applied Materials & Interfaces, 2017, 9, 25775-25788.	8.0	107
41	Innovative micro-textured hydroxyapatite and poly(L-lactic)-acid polymer composite film as a flexible, corrosion resistant, biocompatible, and bioactive coating for Mg implants. Materials Science and Engineering C, 2017, 81, 97-103.	7.3	30
42	Biocompatible $\beta$ -SrHPO <sub>4</sub> clusters with dandelion-like structure as an alternative drug carrier. Materials Science and Engineering C, 2017, 81, 8-12.	7.3	13
43	A targeted nanocarrier based on polyspermine for the effective delivery of methotrexate in nasopharyngeal carcinoma. Materials Science and Engineering C, 2017, 81, 48-56.	7.3	11
44	Enhanced antiadhesive properties of chitosan/hyaluronic acid polyelectrolyte multilayers driven by thermal annealing: Low adherence for mammalian cells and selective decrease in adhesion for Gram-positive bacteria. Materials Science and Engineering C, 2017, 80, 677-687.	7.3	38
45	Microwave assisted synthesis of luminescent carbonaceous nanoparticles from silk fibroin for bioimaging. Materials Science and Engineering C, 2017, 80, 616-623.	7.3	34
46	In Situ Assembly of Au Nanoclusters within Protein Hydrogel Networks. Chemistry - an Asian Journal, 2017, 12, 2374-2378.	3.3	34
47	Facile-one pot-green synthesis, antibacterial, antifungal, antioxidant and antiplatelet activities of lignin capped silver nanoparticles: A promising therapeutic agent. Materials Science and Engineering C, 2017, 81, 182-190.	7.3	102
48	Bioresponsive-controlled release of methylene blue from magnetic mesoporous silica from the electrochemical detection of telomerase activity. Analyst, The, 2017, 142, 3477-3483.	3.5	13
49	Biomaterialized diamond-like carbon films with incorporated titanium dioxide nanoparticles improved bioactivity properties and reduced biofilm formation. Materials Science and Engineering C, 2017, 81, 373-379.	7.3	24
50	Dual targeting hyaluronic acid - RGD mesoporous silica coated gold nanorods for chemo-photothermal cancer therapy. Materials Science and Engineering C, 2017, 81, 261-270.	7.3	54
51	Albumin based versatile multifunctional nanocarriers for cancer therapy: Fabrication, surface modification, multimodal therapeutics and imaging approaches. Materials Science and Engineering C, 2017, 81, 607-626.	7.3	85
52	Functionalization of titanium dioxide nanotubes with biomolecules for biomedical applications. Materials Science and Engineering C, 2017, 81, 597-606.	7.3	73
53	New Poly[( <i>R</i> )-3-hydroxybutyrate-( <i>S</i> )-4-hydroxybutyrate] (P3HB4HB)-Based Thermogels. Macromolecular Chemistry and Physics, 2017, 218, 1700196.	2.2	39
54	Antibacterial zinc oxide hybrid with gelatin coating. Materials Science and Engineering C, 2017, 81, 321-326.	7.3	45

#	ARTICLE	IF	CITATIONS
55	Preferential killing of bacterial cells by hybrid carbon nanotube-MnO <sub>2</sub> nanocomposite synthesized by novel microwave assisted processing. Materials Science and Engineering C, 2017, 81, 469-477.	7.3	28
56	Superparamagnetic iron oxide nanoparticles modified with dimyristoylphosphatidylcholine and their distribution in the brain after injection in the rat substantia nigra. Materials Science and Engineering C, 2017, 81, 400-406.	7.3	11
57	Synthesis of silk fibroin-g-PAA composite using H <sub>2</sub> O <sub>2</sub> -HRP and characterization of the in situ biomimetic mineralization behavior. Materials Science and Engineering C, 2017, 81, 291-302.	7.3	27
58	Characterization and degradation study of chitosan-siloxane hybrid microspheres synthesized using a microfluidic approach. Materials Science and Engineering C, 2017, 81, 571-579.	7.3	6

59

#	ARTICLE	IF	CITATIONS
73	Synthesis, characterization and antitumor properties of selenium nanoparticles coupling with ferulic acid. <i>Materials Science and Engineering C</i> , 2018, 90, 104-112.	7.3	63
74	A pH-responsive prodrug delivery system self-assembled from acid-labile doxorubicin-conjugated amphiphilic pH-sensitive block copolymers. <i>Materials Science and Engineering C</i> , 2018, 90, 27-37.	7.3	40
75	Synthesis and characterization of amphiphilic block polymer poly(ethylene glycol)-poly(propylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 160-165.	7.3	24
76	Synthesis of Au@polymer nanohybrids with transited core-shell morphology from concentric to eccentric Emoji-N or Janus nanoparticles. <i>Scientific Reports</i> , 2018, 8, 5721.	3.3	18
77	Investigation of adhesive interactions in the specific targeting of Triptorelin-conjugated PEG-coated magnetite nanoparticles to breast cancer cells. <i>Acta Biomaterialia</i> , 2018, 71, 363-378.	8.3	48
78	Hierarchically Self-Assembled Supramolecular Host-Guest Delivery System for Drug Resistant Cancer Therapy. <i>Biomacromolecules</i> , 2018, 19, 1926-1938.	5.4	55
79	Biomimetic polyurethane/TiO <sub>2</sub> nanocomposite scaffolds capable of promoting biomineralization and mesenchymal stem cell proliferation. <i>Materials Science and Engineering C</i> , 2018, 85, 79-87.	7.3	44
80	Delivery of anticancer drug using pH-sensitive micelles from triblock copolymer MPEG-b-PBAE-b-PLA. <i>Materials Science and Engineering C</i> , 2018, 84, 254-262.	7.3	49
81	Rational design of curcumin loaded multifunctional mesoporous silica nanoparticles to enhance the cytotoxicity for targeted and controlled drug release. <i>Materials Science and Engineering C</i> , 2018, 85, 88-96.	7.3	54
82	Development of a PCL-silica nanoparticles composite membrane for Guided Bone Regeneration. <i>Materials Science and Engineering C</i> , 2018, 85, 154-161.	7.3	91
83	Polymer-amino-functionalized silica composites for the sustained-release multiparticulate system. <i>Materials Science and Engineering C</i> , 2018, 85, 114-122.	7.3	8
84	Microwave assisted coating of bioactive amorphous magnesium phosphate (AMP) on polyetheretherketone (PEEK). <i>Materials Science and Engineering C</i> , 2018, 85, 107-113.	7.3	73
85	Recent advances of PLGA micro/nanoparticles for the delivery of biomacromolecular therapeutics. <i>Materials Science and Engineering C</i> , 2018, 92, 1041-1060.	7.3	264
86	Simple fabrication of rough halloysite nanotubes coatings by thermal spraying for high performance tumor cells capture. <i>Materials Science and Engineering C</i> , 2018, 85, 170-181.	7.3	22
87	Pectin-guar gum-zinc oxide nanocomposite enhances human lymphocytes cytotoxicity towards lung and breast carcinomas. <i>Materials Science and Engineering C</i> , 2018, 90, 494-503.	7.3	38
88	Enhanced cellular uptake of LHRH-conjugated PEG-coated magnetite nanoparticles for specific targeting of triple negative breast cancer cells. <i>Materials Science and Engineering C</i> , 2018, 88, 32-45.	7.3	41
89	Antimicrobial gelatin-based elastomer nanocomposite membrane loaded with ciprofloxacin and polymyxin B sulfate in halloysite nanotubes for wound dressing. <i>Materials Science and Engineering C</i> , 2018, 87, 128-138.	7.3	53
90	Metal-organic frameworks join hands to create an anti-cancer nanoplatfrom based on 808 nm light driving up-conversion nanoparticles. <i>Chemical Engineering Journal</i> , 2018, 344, 363-374.	12.7	54

#	ARTICLE	IF	CITATIONS
91	Preparation and characterization of gellan gum/glucosamine/clioquinol film as oral cancer treatment patch. Materials Science and Engineering C, 2018, 82, 317-322.	7.3	31
92	Development of temozolomide coated nano zinc oxide for reversing the resistance of malignant glioma stem cells. Materials Science and Engineering C, 2018, 83, 44-50.	7.3	14
93	A review of recent progress in drug and protein encapsulation: Approaches, applications and challenges. Materials Science and Engineering C, 2018, 83, 233-246.	7.3	80
94	Fabrication of luminescent TiO <sub>2</sub> :Eu <sup>3+</sup> and ZrO <sub>2</sub> :Tb <sup>3+</sup> encapsulated PLGA microparticles for bioimaging application with enhanced biocompatibility. Materials Science and Engineering C, 2018, 92, 1117-1123.	7.3	15
95	Optimization of the composition and dosage of PEGylated polyethylenimine-entrapped gold nanoparticles for blood pool, tumor, and lymph node CT imaging. Materials Science and Engineering C, 2018, 83, 9-16.	7.3	16
96	Polyester micelles for drug delivery and cancer theranostics: Current achievements, progresses and future perspectives. Materials Science and Engineering C, 2018, 83, 218-232.	7.3	68
97	Anticancer drug delivery systems based on inorganic nanocarriers with fluorescent tracers. AICHE Journal, 2018, 64, 835-859.	3.6	28
98	A novel local drug delivery system: Superhydrophobic titanium oxide nanotube arrays serve as the drug reservoir and ultrasonication functions as the drug release trigger. Materials Science and Engineering C, 2018, 82, 277-283.	7.3	34
99	Visible light-assisted efficient degradation of dye pollutants with biomass-supported TiO <sub>2</sub> hybrids. Materials Science and Engineering C, 2018, 82, 197-203.	7.3	21
100	Sustained raloxifene release from hyaluronan-alendronate-functionalized titanium nanotube arrays capable of enhancing osseointegration in osteoporotic rabbits. Materials Science and Engineering C, 2018, 82, 345-353.	7.3	32
101	Hierarchically porous structure, mechanical strength and cell biological behaviors of calcium phosphate composite scaffolds prepared by combination of extrusion and porogen burnout technique and enhanced by gelatin. Materials Science and Engineering C, 2018, 82, 217-224.	7.3	25
102	3D printing hydrogel with graphene oxide is functional in cartilage protection by influencing the signal pathway of Rank/Rankl/OPG. Materials Science and Engineering C, 2018, 82, 244-252.	7.3	51
103	Nanographene oxide as a switch for CW/pulsed NIR laser triggered drug release from liposomes. Materials Science and Engineering C, 2018, 82, 19-24.	7.3	23
104	Acetal-linked PEGylated paclitaxel prodrugs forming free-paclitaxel-loaded pH-responsive micelles with high drug loading capacity and improved drug delivery. Materials Science and Engineering C, 2018, 82, 60-68.	7.3	72
105	Glucose functionalized carbon quantum dot containing organic radical for optical/MR dual-modality bioimaging. Materials Science and Engineering C, 2018, 82, 190-196.	7.3	30
106	Polylactic acid-based porous scaffolds doped with calcium silicate and dicalcium phosphate dihydrate designed for biomedical application. Materials Science and Engineering C, 2018, 82, 163-181.	7.3	58
107	Stepwise pH/reduction-responsive polymeric conjugates for enhanced drug delivery to tumor. Materials Science and Engineering C, 2018, 82, 234-243.	7.3	20
108	Self-assembly of bacitracin-gold nanoparticles and their toxicity analysis. Materials Science and Engineering C, 2018, 82, 310-316.	7.3	10

#	ARTICLE	IF	CITATIONS
109	Biodegradable polyester shape memory polymers: Recent advances in design, material properties and applications. <i>Materials Science and Engineering C</i> , 2018, 92, 1061-1074.	7.3	52
110	Layer-by-layer assembly of graphene oxide on thermosensitive liposomes for photo-chemotherapy. <i>Acta Biomaterialia</i> , 2018, 65, 376-392.	8.3	63
111	Influences of ionic liquid and temperature on the tailorable surface morphology of F-apatite nanocomposites for enhancing biological abilities for orthopedic implantation. <i>Materials Science and Engineering C</i> , 2018, 84, 99-107.	7.3	25
112	Hybrid PCL/CaCO <sub>3</sub> scaffolds with capabilities of carrying biologically active molecules: Synthesis, loading and in vivo applications. <i>Materials Science and Engineering C</i> , 2018, 85, 57-67.	7.3	48
113	Fabrication, characterization and osteoblast responses of poly (octanediol citrate)/bioglass nanofiber composites. <i>Materials Science and Engineering C</i> , 2018, 84, 123-129.	7.3	21
114	Organic composite-mediated surface coating of human acellular bone matrix with strontium. <i>Materials Science and Engineering C</i> , 2018, 84, 12-20.	7.3	22
115	Enhancing the anti-gastric cancer activity of curcumin with biocompatible and pH sensitive PMMA-AA/ZnO nanoparticles. <i>Materials Science and Engineering C</i> , 2018, 82, 182-189.	7.3	54
116	Î±-Cyclodextrin concentration-controlled thermo-sensitive supramolecular hydrogels. <i>Materials Science and Engineering C</i> , 2018, 82, 25-28.	7.3	42
117	Polyurethane foam/nano hydroxyapatite composite as a suitable scaffold for bone tissue regeneration. <i>Materials Science and Engineering C</i> , 2018, 82, 130-140.	7.3	76
118	Effect of crystalline phase changes in titania (TiO <sub>2</sub> ) nanotube coatings on platelet adhesion and activation. <i>Materials Science and Engineering C</i> , 2018, 82, 91-101.	7.3	36
119	High-activity chitosan/nano hydroxyapatite/zoledronic acid scaffolds for simultaneous tumor inhibition, bone repair and infection eradication. <i>Materials Science and Engineering C</i> , 2018, 82, 225-233.	7.3	59
120	Codelivery of Hydrophobic and Hydrophilic Drugs by Graphene-Decorated Magnetic Dendrimers. <i>Langmuir</i> , 2018, 34, 15304-15318.	3.5	41
121	Amino acid modified [70] fullerene derivatives with high radical scavenging activity as promising bodyguards for chemotherapy protection. <i>Scientific Reports</i> , 2018, 8, 16573.	3.3	13
122	Self-Assembly and Applications of Amphiphilic Hybrid POSS Copolymers. <i>Molecules</i> , 2018, 23, 2481.	3.8	22
123	A Tailor-Made Protocol to Synthesize Yolk-Shell Graphene-Based Magnetic Nanoparticles for Nanomedicine. <i>Journal of Carbon Research</i> , 2018, 4, 55.	2.7	4
124	Recent Overviews in Functional Polymer Composites for Biomedical Applications. <i>Polymers</i> , 2018, 10, 739.	4.5	114
125	PLA-PEG-FA NPs for drug delivery system: Evaluation of carrier micro-structure, degradation and size-cell proliferation relationship. <i>Materials Science and Engineering C</i> , 2018, 91, 297-302.	7.3	6
126	Biodegradable polyhydroxyalkanoates nanocarriers for drug delivery applications. , 2018, , 607-634.		8



#	ARTICLE	IF	CITATIONS
127	Doxorubicin delivery via magnetic nanomicelles comprising from reduction-responsive poly(ethylene Terephthalate) nanoparticles: Preparation, characterization and simulation. Materials Science and Engineering C, 2018, 92, 631-643.	7.3	47
128	Multifunctional graphene-based magnetic nanocarriers for combined hyperthermia and dual stimuli-responsive drug delivery. Materials Science and Engineering C, 2018, 93, 206-217.	7.3	56
129	Polyester-based nanoparticles for nucleic acid delivery. Materials Science and Engineering C, 2018, 92, 983-994.	7.3	47
130	Copper-polyaniline nanocomposite: Role of physicochemical properties on the antimicrobial activity and genotoxicity evaluation. Materials Science and Engineering C, 2018, 93, 49-60.	7.3	23
131	Poly(carbonate urethane)-Based Thermogels with Enhanced Drug Release Efficacy for Chemotherapeutic Applications. Polymers, 2018, 10, 89.	4.5	32
132	Biomedical application and controlled drug release of electrospun fibrous materials. Materials Science and Engineering C, 2018, 90, 750-763.	7.3	107
133	Biodegradable polyester unimolecular systems as emerging materials for therapeutic applications. Journal of Materials Chemistry B, 2018, 6, 5488-5498.	5.8	32
134	Surface grafting of rare-earth ions doped hydroxyapatite nanorods (HAp:Ln(Eu/Tb)) with hydrophilic copolymers based on ligand exchange reaction: Biological imaging and cancer treatment. Materials Science and Engineering C, 2018, 91, 556-563.	7.3	13
135	Polymeric Janus Nanoparticles: Recent Advances in Synthetic Strategies, Materials Properties, and Applications. Macromolecular Rapid Communications, 2019, 40, e1800203.	3.9	61
136	Polymeric Encapsulation of Turmeric Extract for Bioimaging and Antimicrobial Applications. Macromolecular Rapid Communications, 2019, 40, e1800216.	3.9	21
137	X-ray-Induced Controlled Bilayer Permeability of Bionic Nanocapsules Stabilized by Nucleobase Pairing Interactions for Pulsatile Drug Delivery. Advanced Materials, 2019, 31, e1903443.	21.0	51
138	Novel Fe <sub>2</sub> O <sub>3</sub> @PANI-o-PDA core-shell nanocomposites for photocatalytic degradation of aromatic dyes. Journal of Polymer Research, 2019, 26, 1.	2.4	24
139	Oxidation-Responsive Nanoassemblies for Light-Enhanced Gene Therapy. Small, 2019, 15, e1904017.	10.0	23
140	Control synthesis, subtle surface modification of rare-earth-doped upconversion nanoparticles and their applications in cancer diagnosis and treatment. Materials Science and Engineering C, 2019, 105, 110097.	7.3	50
141	Light-Induced Redox-Responsive Smart Drug Delivery System by Using Selenium-Containing Polymer@MOF Shell/Core Nanocomposite. Advanced Healthcare Materials, 2019, 8, e1900406.	7.6	90
142	The perspectives of using unimolecular micelles in nanodrug formulation. Therapeutic Delivery, 2019, 10, 333-335.	2.2	10
143	Tris-Stabilized MoS <sub>2</sub> Nanosheets with Robust Dispersibility and Facile Surface Functionalization. Advanced Materials Interfaces, 2019, 6, 1900585.	3.7	8
144	Progress in Remotely Triggered Hybrid Nanostructures for Next-Generation Brain Cancer Theranostics. ACS Biomaterials Science and Engineering, 2019, 5, 2669-2687.	5.2	31

#	ARTICLE	IF	CITATIONS
145	Stimuli sensitive systems for camptothecin delivery. , 2019, , 391-428.		0
146	Hierarchical hydroxyapatite/polyelectrolyte microcapsules capped with AuNRs for remotely triggered drug delivery. Materials Science and Engineering C, 2019, 99, 1236-1245.	7.3	22
147	Synthesis of porphyrin-conjugated silica-coated Au nanorods for synergistic photothermal therapy and photodynamic therapy of tumor. Nanotechnology, 2019, 30, 265102.	2.6	31
148	Photo-induced hydrogen-bonding complexes for drug periodic release. Biomaterials Science, 2019, 7, 2468-2479.	5.4	9
149	Hybrid Nanogels: Stealth and Biocompatible Structures for Drug Delivery Applications. Pharmaceutics, 2019, 11, 71.	4.5	36
150	Microgels in biomaterials and nanomedicines. Advances in Colloid and Interface Science, 2019, 266, 1-20.	14.7	56
151	Synthesis and in vitro testing of thermoresponsive polymer-grafted core-shell magnetic mesoporous silica nanoparticles for efficient controlled and targeted drug delivery. Journal of Colloid and Interface Science, 2019, 544, 198-205.	9.4	116
152	Recent advances in non-toxic quantum dots and their biomedical applications. Progress in Natural Science: Materials International, 2019, 29, 628-640.	4.4	85
153	Multifunctional temozolomide-loaded lipid superparamagnetic nanovectors: dual targeting and disintegration of glioblastoma spheroids by synergic chemotherapy and hyperthermia treatment. Nanoscale, 2019, 11, 21227-21248.	5.6	56
154	The Horizon of the Emulsion Particulate Strategy: Engineering Hollow Particles for Biomedical Applications. Advanced Materials, 2019, 31, e1801159.	21.0	32
155	Recent Developments in the Area of Clickâ€”Crosslinked Nanocarriers for Drug Delivery. Macromolecular Rapid Communications, 2019, 40, e1800541.	3.9	11
156	Î²â€”Cyclodextrinâ€”Decorated Carbon Dots Serve as Nanocarriers for Targeted Drug Delivery and Controlled Release. ChemNanoMat, 2019, 5, 479-487.	2.8	32
157	pH and thermo dual stimulus-responsive liposome nanoparticles for targeted delivery of platinum-acridine hybrid agent. Life Sciences, 2019, 217, 41-48.	4.3	18
158	Folate-conjugated, mesoporous silica functionalized boron nitride nanospheres for targeted delivery of doxorubicin. Materials Science and Engineering C, 2019, 96, 552-560.	7.3	29
159	Strontium functionalized scaffold for bone tissue engineering. Materials Science and Engineering C, 2019, 94, 509-515.	7.3	27
160	Nanosilver-incorporated halloysite nanotubes/gelatin methacrylate hybrid hydrogel with osteoimmunomodulatory and antibacterial activity for bone regeneration. Chemical Engineering Journal, 2020, 382, 123019.	12.7	83
161	Theranostic nanozyme: Silk fibroin based multifunctional nanocomposites to combat oxidative stress. Materials Science and Engineering C, 2020, 107, 110255.	7.3	28
162	Thermal properties of an exopolysaccharide produced by a marine thermotolerant Bacillus licheniformis by ATR-FTIR spectroscopy. International Journal of Biological Macromolecules, 2020, 145, 77-83.	7.5	35

#	ARTICLE	IF	CITATIONS
163	Magnetic Hybrid Wax Nanocomposites as Externally Controlled Theranostic Vehicles: High MRI Enhancement and Synergistic Magnetically Assisted Thermo/Chemo Therapy. Chemistry - A European Journal, 2020, 26, 4531-4538.	3.3	12
164	Insights into the epigenetic effects of nanomaterials on cells. Biomaterials Science, 2020, 8, 763-775.	5.4	33
165	Photocontrolled Release of the Anticancer Drug Chlorambucil with Caged Harmonic Nanoparticles. Helvetica Chimica Acta, 2020, 103, e1900251.	1.6	21
166	Effect of PEGylation on the biological properties of cationic carbosilane dendronized gold nanoparticles. International Journal of Pharmaceutics, 2020, 573, 118867.	5.2	9
167	pH-Sensitive Dendrimersomes of Hybrid Triazine-Carbosilane Dendritic Amphiphiles-Smart Vehicles for Drug Delivery. Nanomaterials, 2020, 10, 1899.	4.1	19
168	Evaluation of Novel Doxorubicin-Loaded Magnetic Wax Nanocomposite Vehicles as Cancer Combinatorial Therapy Agents. Pharmaceutics, 2020, 12, 637.	4.5	6
169	In Vitro Cytotoxicity and Cellular Uptake of Tamoxifen Citrate-Loaded Polymeric Micelles. AAPS PharmSciTech, 2020, 21, 306.	3.3	3
170	Tuning small molecule release from polymer micelles: Varying H2S release through crosslinking in the micelle core. European Polymer Journal, 2020, 141, 110077.	5.4	11
171	Preparation and properties of magnetic polymer microspheres. Polymer, 2020, 199, 122569.	3.8	6
172	Understanding fundamentals of hepatocellular carcinoma to design next-generation chitosan nano-formulations: Beyond chemotherapy stride. Journal of Drug Delivery Science and Technology, 2020, 58, 101723.	3.0	0
173	Exploring the confinement of polymer nanolayers into ordered mesoporous silica using advanced gas physisorption. Journal of Colloid and Interface Science, 2020, 579, 489-507.	9.4	10
174	Strategies and challenges to improve the performance of tumor-associated active targeting. Journal of Materials Chemistry B, 2020, 8, 3959-3971.	5.8	39
175	Oral delivery of sorafenib through spontaneous formation of ionic liquid nanocomplexes. Journal of Controlled Release, 2020, 322, 602-609.	9.9	55
176	Light-assisted and remote delivery of carbon monoxide to malignant cells and tissues: Photochemotherapy in the spotlight. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2020, 42, 100341.	11.6	33
178	Four-wave-mixing microscopy reveals non-colocalisation between gold nanoparticles and fluorophore conjugates inside cells. Nanoscale, 2020, 12, 4622-4635.	5.6	10
179	A pH-sensitive drug delivery system based on folic acid-targeted HBP-modified mesoporous silica nanoparticles for cancer therapy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 590, 124470.	4.7	44
180	Art and drug delivery system design: dissonance or a harmony?. Expert Opinion on Drug Delivery, 2020, 17, 735-739.	5.0	1
181	Towards Appraising Influence of New Economical Polymeric Core-Shell Nanocomposites. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1491-1502.	3.7	11

#	ARTICLE	IF	CITATIONS
182	Drug Delivery Towards Cancer. Nanotechnology in the Life Sciences, 2021, , 225-240.	0.6	0
183	Ionic Liquid-Based Oral Drug Delivery Systems. , 2021, , 91-112.		0
184	One-pot synthesis, characterization, and evaluation of novel Fe <sub>2</sub> O <sub>3</sub> @PANI-AA-o-PDA core-shell nanocomposites. Polymer-Plastics Technology and Materials, 2021, 60, 1331-1343.	1.3	5
185	Interface and Interphase in Polymer Nanocomposites with Bare and Core-Shell Gold Nanoparticles. Polymers, 2021, 13, 541.	4.5	18
186	Recent Progress of Alkyl Radicals Generation-Based Agents for Biomedical Applications. Advanced Healthcare Materials, 2021, 10, e2100055.	7.6	21
187	Highest degradation of aromatic dyes by new MgO@PANI-o-PDA core-shell nanocomposites. Polymer Bulletin, 2022, 79, 3741-3758.	3.3	7
188	Trace level electrochemical detection of mesalazine in human urine sample using poly (N-Vinyl)-2-Pyrrolidone capped Bi-EDTA complex sheets incorporated with ultrasonically exfoliated graphene oxide. Journal of the Taiwan Institute of Chemical Engineers, 2021, 122, 67-77.	5.3	14
189	Effect of Gd <sup>3+</sup> substitution on physicochemical properties of superparamagnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles. Journal of Materials Science: Materials in Electronics, 2021, 32, 22387-22397.	2.2	1
190	Metal-organic frameworks for advanced drug delivery. Acta Pharmaceutica Sinica B, 2021, 11, 2362-2395.	12.0	197
191	Biomimetic Nucleation of Metal-Organic Frameworks on Silk Fibroin Nanoparticles for Designing Core-Shell-Structured pH-Responsive Anticancer Drug Carriers. ACS Applied Materials & Interfaces, 2021, 13, 47371-47381.	8.0	20
192	Therapeutic Potential of Algal Nanoparticles: A brief review. Combinatorial Chemistry and High Throughput Screening, 2021, 24, .	1.1	2
193	Magnetically-stimulated transformations in the nanostructure of PEGylated phytantriol-based nanoparticles for on-demand drug release. Colloids and Surfaces B: Biointerfaces, 2021, 207, 112005.	5.0	6
194	Multifunctional GelMA platforms with nanomaterials for advanced tissue therapeutics. Bioactive Materials, 2022, 8, 267-295.	15.6	153
195	Organic-inorganic nanohybrid particles for biomedical applications. , 2021, , 113-135.		2
196	Dissolvable layered microneedles with core-shell structures for transdermal drug delivery. Materials Science and Engineering C, 2018, 83, 143-147.	7.3	37
197	TPGS functionalized mesoporous silica nanoparticles for anticancer drug delivery to overcome multidrug resistance. Materials Science and Engineering C, 2018, 84, 108-117.	7.3	38
198	Metal-Organic Framework (MOF)-Based Drug Delivery. Current Medicinal Chemistry, 2020, 27, 5949-5969.	2.4	152
199	Interaction of Colloidal Gold Nanoparticles with Protein. Nano Biomedicine and Engineering, 2017, 9, .	0.9	2

#	ARTICLE	IF	CITATIONS
200	Silk fibroin hydrogels induced and reinforced by acidic calcium phosphate “ A simple way of producing bioactive and drug-loadable composites for biomedical applications. International Journal of Biological Macromolecules, 2021, 193, 433-440.	7.5	6
201	Magnetic Carbon Nanostructures and Study of Their Transport in Microfluidic Devices for Hyperthermia. IFMBE Proceedings, 2020, , 1901-1918.	0.3	0
202	Design of Hepatic Targeted Drug Delivery Systems for Natural Products: Insights into Nomenclature Revision of Nonalcoholic Fatty Liver Disease. ACS Nano, 2021, 15, 17016-17046.	14.6	19
203	Polymeric Matrix-Based Nanoplatfoms toward Tumor Therapy and Diagnosis. , 2022, 4, 21-48.		12
205	Near-Infrared Light-Responsive Shell-Crosslinked Micelles of Poly(d,l-lactide)-b-poly((furfuryl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 587 T of Doxorubicin. Materials, 2021, 14, 7913.	2.9	9
206	Advances in Nanoliposomes for the Diagnosis and Treatment of Liver Cancer. International Journal of Nanomedicine, 2022, Volume 17, 909-925.	6.7	20
207	Hybrid nanostructures: Versatile systems for biomedical applications. Coordination Chemistry Reviews, 2022, 460, 214482.	18.8	25
208	Dual Drug Loaded Potassium-contained Graphene Oxide as a Nanocarrier in Cocktailed Drug Delivery for the Treatment of Human Breast Cancer. Current Drug Delivery, 2023, 20, 943-950.	1.6	2
209	Lotus Seedpod-Inspired Crosslinking-Assembled Hydrogels Based on Gold Nanoclusters for Synergistic Osteosarcoma Multimode Imaging and Therapy. ACS Applied Materials & Interfaces, 2022, 14, 34377-34387.	8.0	15
210	Contactless Pulsed and Continuous Microdroplet Release Using Photothermal Liquid Crystals. Advanced Functional Materials, 2022, 32, .	14.9	6
211	Tumor adhesion molecule targeting for breast cancer nanomedicine. , 2022, , 257-280.		1
212	Functionally modified halloysite nanotubes for personalized bioapplications. Advances in Colloid and Interface Science, 2023, 311, 102812.	14.7	11
213	Clay nanosheets simultaneously intercalated and stabilized by PEGylated chitosan as drug delivery vehicles for cancer chemotherapy. Carbohydrate Polymers, 2023, 302, 120390.	10.2	3
214	Recent advances of metal-based nanoparticles in nucleic acid delivery for therapeutic applications. Journal of Nanobiotechnology, 2022, 20, .	9.1	16
215	Highly-Efficient and Visible Light Photocatalytical Degradation of Organic Pollutants Using TiO <sub>2</sub> -Loaded on Low-Cost Biomass Husk. Materials, 2022, 15, 8671.	2.9	2
216	NIRâ€ triggered Synergetic Photothermal and Chemotherapy Cancer Treatment Based on SiO <sub>2</sub> @Au@SiO <sub>2</sub> @QDsâ€DOX Composite Structural Particles. ChemNanoMat, 2023, 9, .	2.8	2
217	Recent Development of Polyhydroxyalkanoates (PHA)-Based Materials for Antibacterial Applications: A Review. ACS Applied Bio Materials, 2023, 6, 1398-1430.	4.6	15
218	Self-assembly of pH-responsive Prodrugs for Effective Antitumor Therapy. , 0, 36, 213-218.		0

#	ARTICLE	IF	CITATIONS
219	Enhanced Photodynamic Therapy by Improved Light Energy Capture Efficiency of Porphyrin Photosensitizers. Current Treatment Options in Oncology, 2023, 24, 1274-1292.	3.0	6
220	Effective intracellular release of ibuprofen triggered by thermosensitive magnetic nanocarriers. Colloids and Surfaces B: Biointerfaces, 2023, 230, 113508.	5.0	0
221	Advancement in magnetic hyperthermia-based targeted therapy for cancer treatment. Biointerphases, 2023, 18, .	1.6	0
222	Feasible construction of a pH-responsive nanoparticle for smart drug delivery. , 0, 69, 463-469.		0
223	Food-derived peptides as novel therapeutic strategies for NLRP3 inflammasome-related diseases: a systematic review. Critical Reviews in Food Science and Nutrition, 0, , 1-32.	10.3	0
224	Revolutionizing targeting precision: microfluidics-enabled smart microcapsules for tailored delivery and controlled release. Lab on A Chip, 2024, 24, 1367-1393.	6.0	0
225	Carbon Nanomaterials for Biomedical Applications: Progress and Outlook. ACS Applied Bio Materials, 2024, 7, 752-777.	4.6	1