

Recent Advances of Using Hybrid Nanocarriers in Remote Delivery

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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.	1.7	110
2	Micellized β -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.	2.6	19
3	Recent development of synthetic nonviral systems for sustained gene delivery. <i>Drug Discovery Today</i> , 2017, 22, 1318-1335.	3.2	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.	3.8	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.	3.8	39
6	Hemostatic kaolin-polyurethane foam composites for multifunctional wound dressing applications. <i>Materials Science and Engineering C</i> , 2017, 79, 702-709.	3.8	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.	3.8	61
8	Solvothermal synthesis of Sm ³⁺ -doped Fe ₃ O ₄ nanoparticles. <i>Materials Science and Engineering C</i> , 2017, 80, 110-116.	3.8	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.	3.8	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.	3.8	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.	3.8	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.	3.8	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.	3.8	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.	3.8	69
15	Optimized composition of nanocomposite scaffolds formed from silk fibroin and nano-TiO ₂ for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2017, 79, 783-792.	3.8	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.	3.8	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.	3.8	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.	3.8	27

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19	Tunable green graphene-silk biomaterials: Mechanism of protein-based nanocomposites. <i>Materials Science and Engineering C</i> , 2017, 79, 728-739.	3.8	50
20	Low-temperature direct heterogeneous bonding of polyether ether ketone and platinum. <i>Materials Science and Engineering C</i> , 2017, 79, 860-865.	3.8	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.	3.8	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.	2.6	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.	3.8	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.	3.8	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.	3.8	8
26	Fabrication of DNA nanotubes with an array of exterior magnetic nanoparticles. <i>Materials Science and Engineering C</i> , 2017, 79, 216-220.	3.8	9
27	Caffeine: A novel green precursor for synthesis of magnetic CoFe ₂ O ₄ nanoparticles and pH-sensitive magnetic alginate beads for drug delivery. <i>Materials Science and Engineering C</i> , 2017, 76, 1085-1093.	3.8	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.	4.1	35
29	Multifunctional Hybrid Nanoparticles for Traceable Drug Delivery and Intracellular Microenvironment- Controlled Multistage Drug-Release in Neurons. <i>Small</i> , 2017, 13, 1603966.	5.2	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.	2.6	36
31	A review of drug release mechanisms from nanocarrier systems. <i>Materials Science and Engineering C</i> , 2017, 76, 1440-1453.	3.8	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.	3.8	186
33	Epigallocatechin gallate based magnetic gold nanoshells nanoplatform for cancer theranostic applications. <i>Journal of Materials Chemistry B</i> , 2017, 5, 454-463.	2.9	11
34	Safe approaches for camptothecin delivery: Structural analogues and nanomedicines. <i>Journal of Controlled Release</i> , 2017, 247, 28-54.	4.8	80
35	Biomimetically crystallized protease resistant zinc phosphate decorated with gold atomic clusters for bioimaging. <i>Chemical Communications</i> , 2017, 53, 1277-1280.	2.2	8
36	Injectable methotrexate loaded polycaprolactone microspheres: Physicochemical characterization, biocompatibility, and hemocompatibility evaluation. <i>Materials Science and Engineering C</i> , 2017, 81, 542-550.	3.8	36

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37	Four-Dimensional (4D) Printing: Applying Soft Adaptive Materials to Additive Manufacturing. Journal of Molecular and Engineering Materials, 2017, 05, 1740003.	0.9	13
38	Nano- ϵ -Star-Shaped Polymers for Drug Delivery Applications. Macromolecular Rapid Communications, 2017, 38, 1700410.	2.0	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.	3.8	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.	4.0	107
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42	Biocompatible β -SrHPO ₄ clusters with dandelion-like structure as an alternative drug carrier. Materials Science and Engineering C, 2017, 81, 8-12.	3.8	13
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45	Microwave assisted synthesis of luminescent carbonaceous nanoparticles from silk fibroin for bioimaging. Materials Science and Engineering C, 2017, 80, 616-623.	3.8	34
46	In Situ Assembly of Au Nanoclusters within Protein Hydrogel Networks. Chemistry - an Asian Journal, 2017, 12, 2374-2378.	1.7	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.	3.8	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.	1.7	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.	3.8	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.	3.8	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.	3.8	85
52	Functionalization of titanium dioxide nanotubes with biomolecules for biomedical applications. Materials Science and Engineering C, 2017, 81, 597-606.	3.8	73
53	New Poly[(<i>R</i>)-3-hydroxybutyrate-co-(<i>S</i>)-4-hydroxybutyrate] (P3HB4HB)-Based Thermogels. Macromolecular Chemistry and Physics, 2017, 218, 1700196.	1.1	39
54	Antibacterial zinc oxide hybrid with gelatin coating. Materials Science and Engineering C, 2017, 81, 321-326.	3.8	45

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55	Preferential killing of bacterial cells by hybrid carbon nanotube-MnO ₂ nanocomposite synthesized by novel microwave assisted processing. <i>Materials Science and Engineering C</i> , 2017, 81, 469-477.	3.8	28
56	Superparamagnetic iron oxide nanoparticles modified with dimyristoylphosphatidylcholine and their distribution in the brain after injection in the rat substantia nigra. <i>Materials Science and Engineering C</i> , 2017, 81, 400-406.	3.8	11
57	Synthesis of silk fibroin-g-PAA composite using H ₂ O ₂ -HRP and characterization of the in situ biomimetic mineralization behavior. <i>Materials Science and Engineering C</i> , 2017, 81, 291-302.	3.8	27
58	Characterization and degradation study of chitosan-siloxane hybrid microspheres synthesized using a microfluidic approach. <i>Materials Science and Engineering C</i> , 2017, 81, 571-579.	3.8	6

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73	Synthesis, characterization and antitumor properties of selenium nanoparticles coupling with ferulic acid. <i>Materials Science and Engineering C</i> , 2018, 90, 104-112.	3.8	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.	3.8	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.	3.8	24
76	Synthesis of Au@polymer nanohybrids with transitioned core-shell morphology from concentric to eccentric Emoji-N or Janus nanoparticles. <i>Scientific Reports</i> , 2018, 8, 5721.	1.6	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.	4.1	48
78	Hierarchically Self-Assembled Supramolecular Host-Guest Delivery System for Drug Resistant Cancer Therapy. <i>Biomacromolecules</i> , 2018, 19, 1926-1938.	2.6	55
79	Biomimetic polyurethane/TiO ₂ nanocomposite scaffolds capable of promoting biomineralization and mesenchymal stem cell proliferation. <i>Materials Science and Engineering C</i> , 2018, 85, 79-87.	3.8	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.	3.8	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.	3.8	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.	3.8	91
83	Polymer-amino-functionalized silica composites for the sustained-release multiparticulate system. <i>Materials Science and Engineering C</i> , 2018, 85, 114-122.	3.8	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.	3.8	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.	3.8	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.	3.8	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.	3.8	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.	3.8	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.	3.8	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.	6.6	54

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92	Development of temozolomide coated nano zinc oxide for reversing the resistance of malignant glioma stem cells. <i>Materials Science and Engineering C</i> , 2018, 83, 44-50.	3.8	14
93	A review of recent progress in drug and protein encapsulation: Approaches, applications and challenges. <i>Materials Science and Engineering C</i> , 2018, 83, 233-246.	3.8	80
94	Fabrication of luminescent TiO ₂ :Eu ³⁺ and ZrO ₂ :Tb ³⁺ encapsulated PLGA microparticles for bioimaging application with enhanced biocompatibility. <i>Materials Science and Engineering C</i> , 2018, 92, 1117-1123.	3.8	15
95	Optimization of the composition and dosage of PEGylated polyethylenimine-entrapped gold nanoparticles for blood pool, tumor, and lymph node CT imaging. <i>Materials Science and Engineering C</i> , 2018, 83, 9-16.	3.8	16
96	Polyester micelles for drug delivery and cancer theranostics: Current achievements, progresses and future perspectives. <i>Materials Science and Engineering C</i> , 2018, 83, 218-232.	3.8	68
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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. <i>Materials Science and Engineering C</i> , 2018, 82, 277-283.	3.8	34
99	Visible light-assisted efficient degradation of dye pollutants with biomass-supported TiO ₂ hybrids. <i>Materials Science and Engineering C</i> , 2018, 82, 197-203.	3.8	21
100	Sustained raloxifene release from hyaluronan-alendronate-functionalized titanium nanotube arrays capable of enhancing osseointegration in osteoporotic rabbits. <i>Materials Science and Engineering C</i> , 2018, 82, 345-353.	3.8	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. <i>Materials Science and Engineering C</i> , 2018, 82, 217-224.	3.8	25
102	3D printing hydrogel with graphene oxide is functional in cartilage protection by influencing the signal pathway of Rank/Rankl/OPG. <i>Materials Science and Engineering C</i> , 2018, 82, 244-252.	3.8	51
103	Nanographene oxide as a switch for CW/pulsed NIR laser triggered drug release from liposomes. <i>Materials Science and Engineering C</i> , 2018, 82, 19-24.	3.8	23
104	Acetal-linked PEGylated paclitaxel prodrugs forming free-paclitaxel-loaded pH-responsive micelles with high drug loading capacity and improved drug delivery. <i>Materials Science and Engineering C</i> , 2018, 82, 60-68.	3.8	72
105	Glucose functionalized carbon quantum dot containing organic radical for optical/MR dual-modality bioimaging. <i>Materials Science and Engineering C</i> , 2018, 82, 190-196.	3.8	30
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107	Stepwise pH/reduction-responsive polymeric conjugates for enhanced drug delivery to tumor. <i>Materials Science and Engineering C</i> , 2018, 82, 234-243.	3.8	20
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110	Layer-by-layer assembly of graphene oxide on thermosensitive liposomes for photo-chemotherapy. <i>Acta Biomaterialia</i> , 2018, 65, 376-392.	4.1	63
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112	Hybrid PCL/CaCO ₃ 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.	3.8	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.	3.8	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.	3.8	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.	3.8	54
116	̂±-Cyclodextrin concentration-controlled thermo-sensitive supramolecular hydrogels. <i>Materials Science and Engineering C</i> , 2018, 82, 25-28.	3.8	42
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118	Effect of crystalline phase changes in titania (TiO ₂) nanotube coatings on platelet adhesion and activation. <i>Materials Science and Engineering C</i> , 2018, 82, 91-101.	3.8	36
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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.	1.6	13
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123	A Tailor-Made Protocol to Synthesize Yolk-Shell Graphene-Based Magnetic Nanoparticles for Nanomedicine. <i>Journal of Carbon Research</i> , 2018, 4, 55.	1.4	4
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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.	3.8	6
126	Biodegradable polyhydroxyalkanoates nanocarriers for drug delivery applications. , 2018, , 607-634.		8

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128	Multifunctional graphene-based magnetic nanocarriers for combined hyperthermia and dual stimuli-responsive drug delivery. <i>Materials Science and Engineering C</i> , 2018, 93, 206-217.	3.8	56
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133	Biodegradable polyester unimolecular systems as emerging materials for therapeutic applications. <i>Journal of Materials Chemistry B</i> , 2018, 6, 5488-5498.	2.9	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. <i>Materials Science and Engineering C</i> , 2018, 91, 556-563.	3.8	13
135	Polymeric Janus Nanoparticles: Recent Advances in Synthetic Strategies, Materials Properties, and Applications. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800203.	2.0	61
136	Polymeric Encapsulation of Turmeric Extract for Bioimaging and Antimicrobial Applications. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800216.	2.0	21
137	Controlled Bilayer Permeability of Bionic Nanocapsules Stabilized by Nucleobase Pairing Interactions for Pulsatile Drug Delivery. <i>Advanced Materials</i> , 2019, 31, e1903443.	11.1	51
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141	Light-Induced Redox-Responsive Smart Drug Delivery System by Using Selenium-Containing Polymer@MOF Shell/Core Nanocomposite. <i>Advanced Healthcare Materials</i> , 2019, 8, e1900406.	3.9	90
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143	Tris-Stabilized MoS ₂ Nanosheets with Robust Dispersibility and Facile Surface Functionalization. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900585.	1.9	8
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146	Hierarchical hydroxyapatite/polyelectrolyte microcapsules capped with AuNRs for remotely triggered drug delivery. <i>Materials Science and Engineering C</i> , 2019, 99, 1236-1245.	3.8	22
147	Synthesis of porphyrin-conjugated silica-coated Au nanorods for synergistic photothermal therapy and photodynamic therapy of tumor. <i>Nanotechnology</i> , 2019, 30, 265102.	1.3	31
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149	Hybrid Nanogels: Stealth and Biocompatible Structures for Drug Delivery Applications. <i>Pharmaceutics</i> , 2019, 11, 71.	2.0	36
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154	The Horizon of the Emulsion Particulate Strategy: Engineering Hollow Particles for Biomedical Applications. <i>Advanced Materials</i> , 2019, 31, e1801159.	11.1	32
155	Recent Developments in the Area of Clickâ€”Crosslinked Nanocarriers for Drug Delivery. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800541.	2.0	11
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157	pH and thermo dual stimulus-responsive liposome nanoparticles for targeted delivery of platinum-acridine hybrid agent. <i>Life Sciences</i> , 2019, 217, 41-48.	2.0	18
158	Folate-conjugated, mesoporous silica functionalized boron nitride nanospheres for targeted delivery of doxorubicin. <i>Materials Science and Engineering C</i> , 2019, 96, 552-560.	3.8	29
159	Strontium functionalized scaffold for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2019, 94, 509-515.	3.8	27
160	Nanosilver-incorporated halloysite nanotubes/gelatin methacrylate hybrid hydrogel with osteoimmunomodulatory and antibacterial activity for bone regeneration. <i>Chemical Engineering Journal</i> , 2020, 382, 123019.	6.6	83
161	Theranostic nanozyme: Silk fibroin based multifunctional nanocomposites to combat oxidative stress. <i>Materials Science and Engineering C</i> , 2020, 107, 110255.	3.8	28
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