Rui Guo

List of Publications by Year
in descending order

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139 papers	8,477 citations	30070 54 h-index	51608 86 g-index
139 all docs	139 docs citations	139 times ranked	10908 citing authors

#	Article	IF	Citations
1	PEGylated dendrimer-entrapped gold nanoparticles for inÂvivo blood pool and tumor imaging by computed tomography. Biomaterials, 2012, 33, 1107-1119.	11.4	367
2	Electrospun poly(lactic-co-glycolic acid)/halloysite nanotube composite nanofibers for drug encapsulation and sustained release. Journal of Materials Chemistry, 2010, 20, 10622.	6.7	249
3	Gene delivery using dendrimer-entrapped gold nanoparticles as nonviral vectors. Biomaterials, 2012, 33, 3025-3035.	11.4	226
4	Computed tomography imaging of cancer cells using acetylated dendrimer-entrapped gold nanoparticles. Biomaterials, 2011, 32, 2979-2988.	11.4	214
5	Encapsulation of 2-methoxyestradiol within multifunctional poly(amidoamine) dendrimers for targeted cancer therapy. Biomaterials, 2011, 32, 3322-3329.	11.4	184
6	Efficient Catalytic Reduction of Hexavalent Chromium Using Palladium Nanoparticle-Immobilized Electrospun Polymer Nanofibers. ACS Applied Materials & Interfaces, 2012, 4, 3054-3061.	8.0	179
7	Injectable stem cell-laden supramolecular hydrogels enhance in situ osteochondral regeneration via the sustained co-delivery of hydrophilic and hydrophobic chondrogenic molecules. Biomaterials, 2019, 210, 51-61.	11.4	179
8	Facile immobilization of gold nanoparticles into electrospun polyethyleneimine/polyvinyl alcohol nanofibers for catalytic applications. Journal of Materials Chemistry, 2011, 21, 4493.	6.7	178
9	Multifunctional Nanocarriers for Cell Imaging, Drug Delivery, and Near-IR Photothermal Therapy. Langmuir, 2010, 26, 5428-5434.	3.5	174
10	Laponite Nanodisks as an Efficient Platform for Doxorubicin Delivery to Cancer Cells. Langmuir, 2013, 29, 5030-5036.	3.5	169
11	Controlled release and antibacterial activity of antibiotic-loaded electrospun halloysite/poly(lactic-co-glycolic acid) composite nanofibers. Colloids and Surfaces B: Biointerfaces, 2013, 110, 148-155.	5.0	165
12	X-ray Attenuation Property of Dendrimer-Entrapped Gold Nanoparticles. Journal of Physical Chemistry C, 2010, 114, 50-56.	3.1	149
13	Curcumin-loaded PLGA-PEG nanoparticles conjugated with B6 peptide for potential use in Alzheimerâ€™s disease. Drug Delivery, 2018, 25, 1091-1102.	5.7	147
14	Targeted delivery of doxorubicin into cancer cells using a folic acidâ€“dendrimer conjugate. Polymer Chemistry, 2011, 2, 1754.	3.9	142
15	In situ formed anti-inflammatory hydrogel loading plasmid DNA encoding VEGF for burn wound healing. Acta Biomaterialia, 2019, 100, 191-201.	8.3	142
16	Improved cellular response on multiwalled carbon nanotube-incorporated electrospun polyvinyl alcohol/chitosan nanofibrous scaffolds. Colloids and Surfaces B: Biointerfaces, 2011, 84, 528-535.	5.0	138
17	A composite hydrogel with co-delivery of antimicrobial peptides and platelet-rich plasma to enhance healing of infected wounds in diabetes. Acta Biomaterialia, 2021, 124, 205-218.	8.3	137
18	10-Hydroxycamptothecin loaded nanoparticles: Preparation and antitumor activity in mice. Journal of Controlled Release, 2007, 119, 153-162.	9.9	136

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19	Immobilization of Zerovalent Iron Nanoparticles into Electrospun Polymer Nanofibers: Synthesis, Characterization, and Potential Environmental Applications. Journal of Physical Chemistry C, 2009, 113, 18062-18068.	3.1	123
20	Graphene quantum dots conjugated neuroprotective peptide improve learning and memory capability. Biomaterials, 2016, 106, 98-110.	11.4	123
21	Lactobionic Acid-Modified Dendrimer-Entrapped Gold Nanoparticles for Targeted Computed Tomography Imaging of Human Hepatocellular Carcinoma. ACS Applied Materials & Interfaces, 2014, 6, 6944-6953.	8.0	120
22	Superior antitumor efficiency of cisplatin-loaded nanoparticles by intratumoral delivery with decreased tumor metabolism rate. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 70, 726-734.	4.3	115
23	Facile one-pot preparation, surface functionalization, and toxicity assay of APTS-coated iron oxide nanoparticles. Nanotechnology, 2012, 23, 105601.	2.6	111
24	Fabrication of multiwalled carbon nanotube-reinforced electrospun polymer nanofibers containing zero-valent iron nanoparticles for environmental applications. Journal of Materials Chemistry, 2010, 20, 5700.	6.7	108
25	Carbon nanotube-incorporated multilayered cellulose acetate nanofibers for tissue engineering applications. Carbohydrate Polymers, 2013, 91, 419-427.	10.2	97
26	Preparation and properties of PLGA nanofiber membranes reinforced with cellulose nanocrystals. Colloids and Surfaces B: Biointerfaces, 2015, 132, 177-184.	5.0	91
27	Size-controlled synthesis of dendrimer-stabilized silver nanoparticles for X-ray computed tomography imaging applications. Polymer Chemistry, 2010, 1, 1677.	3.9	88
28	2D Nanomaterials for Tissue Engineering and Regenerative Nanomedicines: Recent Advances and Future Challenges. Advanced Healthcare Materials, 2021, 10, e2001743.	7.6	88
29	Facile formation of dendrimer-stabilized gold nanoparticles modified with diatrizoic acid for enhanced computed tomography imaging applications. Nanoscale, 2012, 4, 6768.	5.6	86
30	Biocompatibility of Electrospun Halloysite Nanotube-Doped Poly(Lactic-co-Glycolic Acid) Composite Nanofibers. Journal of Biomaterials Science, Polymer Edition, 2012, 23, 299-313.	3.5	86
31	Effect of Processing Variables on the Morphology of Electrospun Poly[(lactic acid)â€coâ€(glycolic) Tj ETQq1 1 0.784314 rgBT /O	3.6	82
32	Therapeutic efficacy of antibiotic-loaded gelatin microsphere/silk fibroin scaffolds in infected full-thickness burns. Acta Biomaterialia, 2014, 10, 3167-3176.	8.3	81
33	Enhanced healing activity of burn wound infection by a dextran-HA hydrogel enriched with sanguinarine. Biomaterials Science, 2018, 6, 2472-2486.	5.4	79
34	Doxorubicin-Conjugated PAMAM Dendrimers for pH-Responsive Drug Release and Folic Acid-Targeted Cancer Therapy. Pharmaceutics, 2018, 10, 162.	4.5	78
35	Collagen-cellulose nanocrystal scaffolds containing curcumin-loaded microspheres on infected full-thickness burns repair. Journal of Tissue Engineering and Regenerative Medicine, 2017, 11, 3544-3555.	2.7	76
36	Non-invasive monitoring of in vivo hydrogel degradation and cartilage regeneration by multiparametric MR imaging. Theranostics, 2018, 8, 1146-1158.	10.0	75

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37	Enhanced X-ray attenuation property of dendrimer-entrapped gold nanoparticles complexed with diatrizoic acid. Journal of Materials Chemistry, 2011, 21, 5120.	6.7	74
38	Preparation and characterisation of a novel silk fibroin/hyaluronic acid/sodium alginate scaffold for skin repair. International Journal of Biological Macromolecules, 2019, 130, 58-67.	7.5	74
39	Polyelectrolyte Multilayer-Assisted Immobilization of Zero-Valent Iron Nanoparticles onto Polymer Nanofibers for Potential Environmental Applications. ACS Applied Materials & Interfaces, 2009, 1, 2848-2855.	8.0	72
40	Dextran methacrylate hydrogel microneedles loaded with doxorubicin and trametinib for continuous transdermal administration of melanoma. Carbohydrate Polymers, 2020, 246, 116650.	10.2	72
41	InÂvitro and inÂvivo evaluation of a novel collagen/cellulose nanocrystals scaffold for achieving the sustained release of basic fibroblast growth factor. Journal of Biomaterials Applications, 2015, 29, 882-893.	2.4	71
42	Fabrication and morphology control of electrospun poly(Î³-glutamic acid) nanofibers for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2012, 89, 254-264.	5.0	70
43	Functionalized GO Nanovehicles with Nitric Oxide Release and Photothermal Activity-Based Hydrogels for Bacteria-Infected Wound Healing. ACS Applied Materials & Interfaces, 2020, 12, 28952-28964.	8.0	70
44	Folic acid-modified laponite nanodisks for targeted anticancer drug delivery. Journal of Materials Chemistry B, 2014, 2, 7410-7418.	5.8	68
45	Dendrimer-stabilized bismuth sulfide nanoparticles: synthesis, characterization, and potential computed tomography imaging applications. Analyst, The, 2013, 138, 3172.	3.5	66
46	Dualâ€Functional Alginic Acid Hybrid Nanospheres for Cell Imaging and Drug Delivery. Small, 2009, 5, 709-717.	10.0	65
47	Aminopropyltriethoxysilane-mediated surface functionalization of hydroxyapatite nanoparticles: synthesis, characterization, and in vitro toxicity assay. International Journal of Nanomedicine, 2011, 6, 3449.	6.7	65
48	Acetylation of dendrimerâ€entrapped gold nanoparticles: Synthesis, stability, and Xâ€ray attenuation properties. Journal of Applied Polymer Science, 2011, 119, 1673-1682.	2.6	65
49	Enhanced dechlorination of trichloroethylene using electrospun polymer nanofibrous mats immobilized with iron/palladium bimetallic nanoparticles. Journal of Hazardous Materials, 2012, 211-212, 349-356.	12.4	65
50	Chitosan-based nanoparticle co-delivery of docetaxel and curcumin ameliorates anti-tumor chemoimmunotherapy in lung cancer. Carbohydrate Polymers, 2021, 268, 118237.	10.2	63
51	Partially PEGylated dendrimer-entrapped gold nanoparticles: a promising nanoplatform for highly efficient DNA and siRNA delivery. Journal of Materials Chemistry B, 2016, 4, 2933-2943.	5.8	60
52	Tunable synthesis and acetylation of dendrimer-entrapped or dendrimer-stabilized goldâ€“silver alloy nanoparticles. Colloids and Surfaces B: Biointerfaces, 2012, 94, 58-67.	5.0	57
53	Targeted doxorubicin delivery to hepatocarcinoma cells by lactobionic acid-modified laponite nanodisks. New Journal of Chemistry, 2015, 39, 2847-2855.	2.8	56
54	Controlled Dual Delivery of Angiogenin and Curcumin by Electrospun Nanofibers for Skin Regeneration. Tissue Engineering - Part A, 2017, 23, 597-608.	3.1	56

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55	Functionalization of Novel Theranostic Hydrogels with Kartogenin-Grafted USPIO Nanoparticles To Enhance Cartilage Regeneration. ACS Applied Materials & Interfaces, 2019, 11, 34744-34754.	8.0	56
56	Biodegradable Highly Branched Poly(Î²-Amino Ester)s for Targeted Cancer Cell Gene Transfection. ACS Biomaterials Science and Engineering, 2017, 3, 1283-1286.	5.2	55
57	Construction of multi-scale vascular chips and modelling of the interaction between tumours and blood vessels. Materials Horizons, 2020, 7, 82-92.	12.2	55
58	Enhanced cutaneous wound healing by functional injectable thermo-sensitive chitosan-based hydrogel encapsulated human umbilical cord-mesenchymal stem cells. International Journal of Biological Macromolecules, 2019, 137, 433-441.	7.5	54
59	Fabrication and characterization of water-stable electrospun polyethyleneimine/polyvinyl alcohol nanofibers with super dyesorption capability. New Journal of Chemistry, 2011, 35, 360-368.	2.8	53
60	Loading of Indocyanine Green within Polydopamine-Coated Laponite Nanodisks for Targeted Cancer Photothermal and Photodynamic Therapy. Nanomaterials, 2018, 8, 347.	4.1	53
61	Polyurethane membrane/knitted mesh-reinforced collagenâ€“chitosan bilayer dermal substitute for the repair of full-thickness skin defects via a two-step procedure. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 56, 120-133.	3.1	51
62	Impact of Dendrimer Surface Functional Groups on the Release of Doxorubicin from Dendrimer Carriers. Journal of Physical Chemistry B, 2014, 118, 1696-1706.	2.6	50
63	Direct Facile Approach to the Fabrication of Chitosanâ^'Gold Hybrid Nanospheres. Langmuir, 2008, 24, 3459-3464.	3.5	48
64	Controlled-release neurotensin-loaded silk fibroin dressings improve wound healing in diabetic rat model. Bioactive Materials, 2019, 4, 151-159.	15.6	48
65	Neurotensin-loaded PLGA/CNC composite nanofiber membranes accelerate diabetic wound healing. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 493-501.	2.8	47
66	Preparation of Antimicrobial Hyaluronic Acid/Quaternized Chitosan Hydrogels for the Promotion of Seawater-Immersion Wound Healing. Frontiers in Bioengineering and Biotechnology, 2019, 7, 360.	4.1	47
67	LAPONITE-Polyethylenimine Based Theranostic Nanoplatform for Tumor-Targeting CT Imaging and Chemotherapy. ACS Biomaterials Science and Engineering, 2017, 3, 431-442.	5.2	44
68	Synthesis, characterisation and preliminary investigation of the haemocompatibility of polyethyleneimine-grafted carboxymethyl chitosan for gene delivery. Materials Science and Engineering C, 2016, 62, 173-182.	7.3	43
69	Functionalization of SF/HAP Scaffold with GO-PEI-miRNA inhibitor Complexes to Enhance Bone Regeneration through Activating Transcription Factor 4. Theranostics, 2019, 9, 4525-4541.	10.0	43
70	Synthesis of Alginic Acidâ^'Poly[2-(diethylamino)ethyl methacrylate] Monodispersed Nanoparticles by a Polymerâ^'Monomer Pair Reaction System. Biomacromolecules, 2007, 8, 843-850.	5.4	42
71	Multifunctional dendrimer/combretastatin A4 inclusion complexes enable in vitro targeted cancer therapy. International Journal of Nanomedicine, 2011, 6, 2337.	6.7	41
72	LAPONITEÂ®-stabilized iron oxide nanoparticles for in vivo MR imaging of tumors. Biomaterials Science, 2016, 4, 474-482.	5.4	41

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73	Hemostasis mechanism and applications of N-alkylated chitosan sponge. Polymers for Advanced Technologies, 2017, 28, 1107-1114.	3.2	41
74	Dendrimer-entrapped gold nanoparticles as potential CT contrast agents for blood pool imaging. Nanoscale Research Letters, 2012, 7, 190.	5.7	40
75	Injectable supramolecular gelatin hydrogel loading of resveratrol and histatin-1 for burn wound therapy. Biomaterials Science, 2020, 8, 4810-4820.	5.4	40
76	Synthesis and Antitumoral Activity of Gelatin/Polyoxometalate Hybrid Nanoparticles. Macromolecular Bioscience, 2011, 11, 839-847.	4.1	39
77	Poly(<scp>l</scp>-lactide)/halloysite nanotube electrospun mats as dual-drug delivery systems and their therapeutic efficacy in infected full-thickness burns. Journal of Biomaterials Applications, 2015, 30, 512-525.	2.4	39
78	Targeted delivery of SNX-2112 by polysaccharide-modified graphene oxide nanocomposites for treatment of lung cancer. Carbohydrate Polymers, 2018, 185, 85-95.	10.2	39
79	Preparation and characterization of the collagen/cellulose nanocrystals/USPIO scaffolds loaded kartogenin for cartilage regeneration. Materials Science and Engineering C, 2019, 99, 1362-1373.	7.3	38
80	Effect of the Porous Microstructures of Poly(lactic-co-glycolic acid)/Carbon Nanotube Composites on the Growth of Fibroblast Cells. Soft Materials, 2010, 8, 239-253.	1.7	37
81	Exploring the dark side of MTT viability assay of cells cultured onto electrospun PLGA-based composite nanofibrous scaffolding materials. Analyst, The, 2011, 136, 2897.	3.5	37
82	Dendrimers in Cancer Therapeutics and Diagnosis. Current Drug Metabolism, 2012, 13, 1097-1109.	1.2	37
83	Synthesis of glycoconjugated poly(amindoamine) dendrimers for targeting human liver cancer cells. RSC Advances, 2012, 2, 99-102.	3.6	37
84	Enhancing the specificity and efficiency of polymerase chain reaction using polyethyleneimine-based derivatives and hybrid nanocomposites. International Journal of Nanomedicine, 2012, 7, 1069.	6.7	35
85	Stem cell-mediated delivery of nanogels loaded with ultrasmall iron oxide nanoparticles for enhanced tumor MR imaging. Nanoscale, 2019, 11, 4904-4910.	5.6	35
86	A highly effective polymerase chain reactionenhancer based on dendrimer-entrapped gold nanoparticles. Analyst, The, 2012, 137, 223-228.	3.5	34
87	Partially Acetylated Dendrimer-Entrapped Gold Nanoparticles with Reduced Cytotoxicity for Gene Delivery Applications. Journal of Nanoscience and Nanotechnology, 2015, 15, 4094-4105.	0.9	33
88	Antibiotic-loaded chitosan-gelatin scaffolds for infected seawater immersion wound healing. International Journal of Biological Macromolecules, 2020, 159, 1140-1155.	7.5	33
89	Controlled release of doxorubicin from electrospun MWCNTs/PLGA hybrid nanofibers. Chinese Journal of Polymer Science (English Edition), 2016, 34, 1047-1059.	3.8	32
90	Hyaluronic Acid-Decorated LaponiteÂ® Nanocomposites for Targeted Anticancer Drug Delivery. Polymers, 2019, 11, 137.	4.5	32

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91	Novel hyaluronic acid coated hydrophobically modified chitosan polyelectrolyte complex for the delivery of doxorubicin. International Journal of Biological Macromolecules, 2019, 126, 254-261.	7.5	31
92	A novel 3D printing PCL/GelMA scaffold containing USPIO for MRI-guided bile duct repair. Biomedical Materials (Bristol), 2020, 15, 045004.	3.3	31
93	A bridging SF/Alg composite scaffold loaded NGF for spinal cord injury repair. Materials Science and Engineering C, 2017, 76, 81-87.	7.3	30
94	Preparation and Application of Quaternized Chitosan- and AgNPs-Base Synergistic Antibacterial Hydrogel for Burn Wound Healing. Molecules, 2021, 26, 4037.	3.8	29
95	Targeted multifunctional redox-sensitive micelle co-delivery of DNA and doxorubicin for the treatment of breast cancer. Journal of Materials Chemistry B, 2018, 6, 3372-3386.	5.8	28
96	Dendrimer-mediated synthesis and shape evolution of goldâ€“silver alloy nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2012, 405, 22-29.	4.7	27
97	Mechanistic Studies of Enhanced PCR Using PEGylated PEI-Entrapped Gold Nanoparticles. ACS Applied Materials & Interfaces, 2016, 8, 25808-25817.	8.0	26
98	PEGylated dendrimer-entrapped gold nanoparticles with low immunogenicity for targeted gene delivery. RSC Advances, 2018, 8, 1265-1273.	3.6	26
99	A combination of GDNF and hUCMSC transplantation loaded on SF/AGs composite scaffolds for spinal cord injury repair. Materials Science and Engineering C, 2017, 74, 230-237.	7.3	25
100	Controlled Release of BMP-2 from a Heparin-Conjugated Strontium-Substituted Nanohydroxyapatite/Silk Fibroin Scaffold for Bone Regeneration. ACS Biomaterials Science and Engineering, 2018, 4, 3291-3303.	5.2	25
101	Bioink Formulations for Bone Tissue Regeneration. Frontiers in Bioengineering and Biotechnology, 2021, 9, 630488.	4.1	25
102	Sgc8 aptamer targeted glutathione-responsive nanoassemblies containing Ara-C prodrug for the treatment of acute lymphoblastic leukemia. Nanoscale, 2019, 11, 23000-23012.	5.6	24
103	Dendrimer-Functionalized Laponite Nanodisks as a Platform for Anticancer Drug Delivery. Nanomaterials, 2015, 5, 1716-1731.	4.1	23
104	tLyp-1-conjugated GSH-sensitive biodegradable micelles mediate enhanced pUNO1-hTRAILa/curcumin co-delivery to gliomas. Chemical Engineering Journal, 2019, 374, 392-404.	12.7	23
105	A polydopamine-coated LAPONITEÂ®-stabilized iron oxide nanoplatform for targeted multimodal imaging-guided photothermal cancer therapy. Journal of Materials Chemistry B, 2019, 7, 3856-3864.	5.8	22
106	Nanoparticle-mediated delivery of Tanshinone IIA reduces adverse cardiac remodeling following myocardial infarctions in a mice model: role of NF-Î²B pathway. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 707-716.	2.8	21
107	Novel alginate coated hydrophobically modified chitosan polyelectrolyte complex for the delivery of BSA. Journal of Materials Science: Materials in Medicine, 2013, 24, 2093-2100.	3.6	20
108	Bioprinting of a Blue Light-Cross-Linked Biodegradable Hydrogel Encapsulating Amniotic Mesenchymal Stem Cells for Intrauterine Adhesion Prevention. ACS Omega, 2021, 6, 23067-23075.	3.5	20

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109	Real-time and noninvasive tracking of injectable hydrogel degradation using functionalized AIE nanoparticles. Nanophotonics, 2020, 9, 2063-2075.	6.0	20
110	Fabrication of waterâ€stable electrospun polyacrylic acidâ€based nanofibrous mats for removal of copper (II) ions in aqueous solution. Journal of Applied Polymer Science, 2010, 116, 2409-2417.	2.6	19
111	Co-encapsulation of magnetic Fe ₃ O ₄ nanoparticles and doxorubicin into biocompatible PLGA-PEG nanocarriers for early detection and treatment of tumours. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 4211-4221.	2.8	19
112	Chitosan Surface-Modified Hydroxycamptothecin Loaded Nanoparticles with Enhanced Transport Across Caco-2 Cell Monolayer. Journal of Nanoscience and Nanotechnology, 2006, 6, 2912-2920.	0.9	18
113	Polydopamine-Coated Laponite Nanoplatforms for Photoacoustic Imaging-Guided Chemo-Phototherapy of Breast Cancer. Nanomaterials, 2021, 11, 394.	4.1	18
114	A Composite Hydrogel Containing Mesoporous Silica Nanoparticles Loaded With Artemisia argyi Extract for Improving Chronic Wound Healing. Frontiers in Bioengineering and Biotechnology, 2022, 10, 825339.	4.1	18
115	Fabrication and characterization of carboxymethyl chitosan/poly(vinyl alcohol) hydrogels containing alginate microspheres for protein delivery. Journal of Bioactive and Compatible Polymers, 2015, 30, 397-411.	2.1	17
116	Graphene quantum dotsâ€based targeted nanoprobes detecting drug delivery, imaging, and enhanced chemotherapy of nasopharyngeal carcinoma. Bioengineering and Translational Medicine, 2022, 7, e10270.	7.1	16
117	Novel T7-Modified pH-Responsive Targeted Nanosystem for Co-Delivery of Docetaxel and Curcumin in the Treatment of Esophageal Cancer . International Journal of Nanomedicine, 2020, Volume 15, 7745-7762.	6.7	15
118	Preparation and characterization of 3D porous conductive scaffolds with magnetic resonance enhancement in tissue engineering. Biomedical Materials (Bristol), 2019, 14, 045013.	3.3	14
119	Nanoparticle-Mediated Delivery of Emodin via Colonic Irrigation Attenuates Renal Injury in 5/6 Nephrectomized Rats. Frontiers in Pharmacology, 2020, 11, 606227.	3.5	13
120	Synthesis of N-alkylated chitosan and its interactions with blood. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 544-550.	2.8	12
121	Multifunctional electrospun asymmetric wettable membrane containing black phosphorus/Rg1 for enhancing infected wound healing. Bioengineering and Translational Medicine, 2022, 7, e10274.	7.1	12
122	Preparation and characterization of gentamycin sulfate-impregnated gelatin microspheres/collagenâ€“cellulose/nanocrystal scaffolds. Polymer Bulletin, 2018, 75, 77-91.	3.3	10
123	The Epigenetic Regulation in Tooth Development and Regeneration. Current Stem Cell Research and Therapy, 2017, 13, 4-15.	1.3	9
124	Applications and Prospects of Non-viral Vectors in Bone Regeneration. Current Gene Therapy, 2018, 18, 21-28.	2.0	9
125	Hydroxyapatite/silk fibroin composite biomimetic scaffold for dental pulp repair. Bioinspired, Biomimetic and Nanobiomaterials, 2019, 8, 231-238.	0.9	9
126	Macrophage-Laden Gold Nanoflowers Embedded with Ultrasmall Iron Oxide Nanoparticles for Enhanced Dual-Mode CT/MR Imaging of Tumors. Pharmaceutics, 2021, 13, 995.	4.5	9

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127	Icariin activates autophagy to trigger TGFÎ²1 upregulation and promote angiogenesis in EA.hy926 human vascular endothelial cells. Bioengineered, 2022, 13, 164-177.	3.2	9
128	Modified Nanoemulsions with Iron Oxide for Magnetic Resonance Imaging. Nanomaterials, 2016, 6, 223.	4.1	8
129	Targeted delivery of DOX by transferrin conjugated DSPE-PEG nanoparticles in leukemia therapy. International Journal of Polymeric Materials and Polymeric Biomaterials, 2021, 70, 27-36.	3.4	8
130	Black phosphorus nanosheets and paclitaxel encapsulated hydrogel for synergistic photothermal-chemotherapy. Nanophotonics, 2021, 10, 2625-2637.	6.0	7
131	An <scp>EPO</scp>â€loaded multifunctional hydrogel synergizing with adiposeâ€derived stem cells restores neurogenic erectile function via enhancing nerve regeneration and penile rehabilitation. Bioengineering and Translational Medicine, 2022, 7, .	7.1	7
132	Enhanced recruitment and hematopoietic reconstitution of bone marrowâ€derived mesenchymal stem cells in bone marrow failure by the SDFâ€1/CXCR4. Journal of Tissue Engineering and Regenerative Medicine, 2020, 14, 1250-1260.	2.7	6
133	Targeted delivery of doxorubicin by lactobionic acid-modified laponite to hepatocarcinoma cells. Journal of Controlled Release, 2015, 213, e34.	9.9	5
134	Effective CpG Delivery Using Zwitterion-Functionalized Dendrimer-Entrapped Gold Nanoparticles to Promote T Cell-Mediated Immunotherapy of Cancer Cells. Biosensors, 2022, 12, 71.	4.7	4
135	Synthesis, Characterization of Dextran Hydrogels and Their in Vitro Release of Gentamycin Sulphate. Journal of Applied Biomaterials and Functional Materials, 2015, 13, 228-233.	1.6	3
136	Synthesis, characterisation and preliminary investigation of the haemocompatibility of poly(d,l-lactide-co-glycolide)â€“poly(ethyleneglycol)â€“poly(d,l-lactide-co-glycolide) copolymer for simvastatin delivery. Journal of Bioactive and Compatible Polymers, 2017, 32, 641-653.	2.1	3
137	New approach for the preparation of nanoporous polyorganosilicate low-k films. Journal of Applied Polymer Science, 2007, 103, 1238-1243.	2.6	2
138	Exercise and retinal health. Restorative Neurology and Neuroscience, 2019, 37, 571-581.	0.7	2
139	Editorial: Advanced Biomaterials and Systems Releasing Bioactive Agents for Precise Tissue Regeneration. Frontiers in Bioengineering and Biotechnology, 2021, 9, 763685.	4.1	0