Zhi Yuan

List of Publications by Year
in descending order

70 papers	2,281 citations	257450 24 h-index	223800 46 g-index
71 all docs	71 docs citations	71 times ranked	3017 citing authors

#	Article	IF	Citations
1	Doxorubicin-loaded glycyrrhetinic acid-modified alginate nanoparticles for liver tumor chemotherapy. Biomaterials, 2012, 33, 2187-2196.	11.4	247
2	Probabilistic decompositionâ€based security constrained transmission expansion planning incorporating distributed series reactor. IET Generation, Transmission and Distribution, 2020, 14, 3478-3487.	2.5	149
3	Heteromultivalent peptide recognition by co-assembly of cyclodextrin and calixarene amphiphiles enables inhibition of amyloid fibrillation. Nature Chemistry, 2019, 11, 86-93.	13.6	148
4	High Voltage Gain DC/DC Converter Using Coupled Inductor and VM Techniques. IEEE Access, 2020, 8, 131975-131987.	4.2	130
5	Self-assembly and liver targeting of sulfated chitosan nanoparticles functionalized with glycyrrhetinic acid. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 870-879.	3.3	102
6	The systematic evaluation of size-dependent toxicity and multi-time biodistribution of gold nanoparticles. Colloids and Surfaces B: Biointerfaces, 2018, 167, 260-266.	5.0	100
7	Functional alginate nanoparticles for efficient intracellular release of doxorubicin and hepatoma carcinoma cell targeting therapy. International Journal of Pharmaceutics, 2013, 451, 1-11.	5.2	98
8	Biodegradable polylactide/poly(ethylene glycol)/polylactide triblock copolymer micelles as anticancer drug carriers. Journal of Applied Polymer Science, 2001, 80, 1976-1982.	2.6	88
9	Developed Coyote Optimization Algorithm and its application to optimal parameters estimation of PEMFC model. Energy Reports, 2020, 6, 1106-1117.	5.1	72
10	Peptide REDVâ€modified polysaccharide hydrogel with endothelial cell selectivity for the promotion of angiogenesis. Journal of Biomedical Materials Research - Part A, 2015, 103, 1703-1712.	4.0	66
11	Shieldable Tumor Targeting Based on pH Responsive Self-Assembly/Disassembly of Gold Nanoparticles. ACS Applied Materials & Interfaces, 2014, 6, 17865-17876.	8.0	65
12	Single NIR Laser-Activated Multifunctional Nanoparticles for Cascaded Photothermal and Oxygen-Independent Photodynamic Therapy. Nano-Micro Letters, 2019, 11, 68.	27.0	56
13	Reversible Shielding between Dual Ligands for Enhanced Tumor Accumulation of ZnPc-Loaded Micelles. Nano Letters, 2019, 19, 1665-1674.	9.1	46
14	Tripeptide GGH as the Inhibitor of Copper-Amyloid-Î²-Mediated Redox Reaction and Toxicity. ACS Chemical Neuroscience, 2016, 7, 1255-1263.	3.5	43
15	An optimal brain tumor detection by convolutional neural network and Enhanced Sparrow Search Algorithm. Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine, 2021, 235, 459-469.	1.8	40
16	NIR Lightâ€Driven Bi₂Se₃â€Based Nanoreactor with â€œThree in Oneâ€•Heminâ€Assisted Cascade Catalysis for Synergetic Cancer Therapy. Advanced Functional Materials, 2020, 30, 2006883.	14.9	39
17	Strategies and challenges to improve the performance of tumor-associated active targeting. Journal of Materials Chemistry B, 2020, 8, 3959-3971.	5.8	39
18	Study of a Bifunctional AÎ² Aggregation Inhibitor with the Abilities of Antiamyloid-Î² and Copper Chelation. Biomacromolecules, 2016, 17, 661-668.	5.4	37

#	Article	IF	Citations
19	Fluorescence-enhanced covalent organic framework nanosystem for tumor imaging and photothermal therapy. Nanoscale, 2019, 11, 10429-10438.	5.6	37
20	Near-infrared-light induced nanoparticles with enhanced tumor tissue penetration and intelligent drug release. Acta Biomaterialia, 2019, 90, 314-323.	8.3	31
21	Convenient preparation of charge-adaptive chitosan nanomedicines for extended blood circulation and accelerated endosomal escape. Nano Research, 2018, 11, 4278-4292.	10.4	29
22	Dual pH-responsive â€œcharge-reversal likeâ€•gold nanoparticles to enhance tumor retention for chemo-radiotherapy. Nano Research, 2019, 12, 2815-2826.	10.4	29
23	Endotoxin adsorbent using dimethylamine ligands. Biomaterials, 2005, 26, 2741-2747.	11.4	27
24	pH-Sensitive Reversible Programmed Targeting Strategy by the Self-Assembly/Disassembly of Gold Nanoparticles. ACS Applied Materials & Interfaces, 2017, 9, 16767-16777.	8.0	26
25	An intelligent re-shieldable targeting system for enhanced tumor accumulation. Journal of Controlled Release, 2017, 268, 1-9.	9.9	25
26	The study of angiogenesis stimulated by multivalent peptide ligand-modified alginate. Colloids and Surfaces B: Biointerfaces, 2017, 154, 383-390.	5.0	24
27	A glutathione responsive nitric oxide release system based on charge-reversal chitosan nanoparticles for enhancing synergistic effect against multidrug resistance tumor. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 20, 102015.	3.3	24
28	Cytotoxicity of liver targeted drug-loaded alginate nanoparticles. Science in China Series B: Chemistry, 2009, 52, 1382-1387.	0.8	22
29	Glycyrrhetinic acid-modified nanoparticles for drug delivery: Preparation and characterization. Science Bulletin, 2009, 54, 3121-3126.	1.7	22
30	Optimal parameter estimation for <scp>PEMFC</scp> using modified monarch butterfly optimization. International Journal of Energy Research, 2020, 44, 8427-8441.	4.5	22
31	The effects of ligand valency and density on the targeting ability of multivalent nanoparticles based on negatively charged chitosan nanoparticles. Colloids and Surfaces B: Biointerfaces, 2018, 161, 508-518.	5.0	21
32	Facile fabrication of poly(acrylic acid) coated chitosan nanoparticles with improved stability in biological environments. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 112, 148-154.	4.3	20
33	Dual-peptide-modified alginate hydrogels for the promotion of angiogenesis. Science China Chemistry, 2015, 58, 1866-1874.	8.2	19
34	Chitosan sulfate inhibits angiogenesisviablocking the VEGF/VEGFR2 pathway and suppresses tumor growthin vivo. Biomaterials Science, 2019, 7, 1584-1597.	5.4	19
35	Multivalent nanoparticles for personalized theranostics based on tumor receptor distribution behavior. Nanoscale, 2019, 11, 5005-5013.	5.6	19
36	In situ self-assembled biosupramolecular porphyrin nanofibers for enhancing photodynamic therapy in tumors. Nanoscale, 2020, 12, 11119-11129.	5.6	18

#	Article	IF	Citations
37	Preparation of enzymatically cross-linked sulfated chitosan hydrogel and its potential application in thick tissue engineering. Science China Chemistry, 2013, 56, 1701-1709.	8.2	16
38	Pharmacodynamics in Alzheimerâ€™s disease model rats of a bifunctional peptide with the potential to accelerate the degradation and reduce the toxicity of amyloid Î²-Cu fibrils. Acta Biomaterialia, 2018, 65, 327-338.	8.3	16
39	pH-Sensitive assembly/disassembly gold nanoparticles with the potential of tumor diagnosis and treatment. Science China Chemistry, 2019, 62, 105-117.	8.2	15
40	An oxidation responsive nano-radiosensitizer increases radiotherapy efficacy by remolding tumor vasculature. Biomaterials Science, 2021, 9, 6308-6324.	5.4	15
41	Ethylene glycol oligomer modified-sodium alginate for efficiently improving the drug loading and the tumor therapeutic effect. Journal of Materials Chemistry B, 2013, 1, 5933.	5.8	13
42	One-pot synthesis of acid-induced in situ aggregating theranostic gold nanoparticles with enhanced retention in tumor cells. Biomaterials Science, 2019, 7, 2009-2022.	5.4	13
43	Study on the effectiveness of ligand reversible shielding strategy in targeted delivery and tumor therapy. Acta Biomaterialia, 2019, 83, 349-358.	8.3	13
44	Facile fabrication of core cross-linked micelles by RAFT polymerization and enzyme-mediated reaction. Colloids and Surfaces B: Biointerfaces, 2014, 118, 298-305.	5.0	12
45	â€œThree-in-Oneâ€•Multifunctional Gatekeeper Gated Mesoporous Silica Nanoparticles for Intracellular pH-Activated Targeted Cancer Therapy. ACS Applied Bio Materials, 2018, 1, 572-580.	4.6	12
46	Zwitterionic chitooligosaccharide-modified ink-blue titanium dioxide nanoparticles with inherent immune activation for enhanced photothermal therapy. Biomaterials Science, 2019, 7, 5027-5034.	5.4	12
47	A conveniently synthesized Pt (IV) conjugated alginate nanoparticle with ligand self-shielded property for targeting treatment of hepatic carcinoma. Nanomedicine: Nanotechnology, Biology, and Medicine, 2019, 15, 153-163.	3.3	12
48	A pH-responsive Pt-based nanoradiosensitizer for enhanced radiotherapy via oxidative stress amplification. Nanoscale, 2021, 13, 13735-13745.	5.6	11
49	Tumor acid microenvironment-activated self-targeting & splitting gold nanoassembly for tumor chemo-radiotherapy. Bioactive Materials, 2022, 7, 377-388.	15.6	11
50	Synthesis and characterization of a functionalized amphiphilic diblock copolymer: MePEG-b-poly(DL-lactide-co-RS-Î²-malic acid). Colloid and Polymer Science, 2006, 285, 273-281.	2.1	10
51	Controllable targeted system based on pH-dependent thermo-responsive nanoparticles. Colloids and Surfaces B: Biointerfaces, 2015, 135, 802-810.	5.0	9
52	TGase-induced intracellular aggregation of Fe₃O₄nanoparticles for increased retention and enhancedT₂MRI. Materials Chemistry Frontiers, 2019, 3, 1365-1374.	5.9	9
53	Synthesis and characterization of polypeptide containing liver-targeting group. Polymer International, 2006, 55, 1057-1062.	3.1	8
54	Fabrication of thermo-sensitive complex micelles for reversible cell targeting. Journal of Materials Science: Materials in Medicine, 2015, 26, 255.	3.6	7

#	Article	IF	Citations
55	Comparation of activity against AÎ² aggregation between RR and LPFFD. Chinese Journal of Polymer Science (English Edition), 2015, 33, 1009-1017.	3.8	6
56	A facile composite nanoparticle promoted by photoelectron transfer and consumption for tumor combination therapy. Materials Chemistry Frontiers, 2020, 4, 3047-3056.	5.9	6
57	Construction of an AuHQ nano-sensitizer for enhanced radiotherapy efficacy through remolding tumor vasculature. Journal of Materials Chemistry B, 2021, 9, 4365-4379.	5.8	5
58	Construction of a pH/TGase â€œDual Keyâ€•Responsive Gold Nano-radiosensitizer with Liver Tumor-Targeting Ability. ACS Biomaterials Science and Engineering, 2021, 7, 3434-3445.	5.2	5
59	Promotion of microvasculature formation in alginate composite hydrogels by an immobilized peptide GYIGSRG. Science China Chemistry, 2012, 55, 1781-1787.	8.2	4
60	A CuS-Based Nanoplatform Catalyzing NO Generation for Tumor Vessel Improvement and Efficient Chemotherapy. ACS Applied Nano Materials, 2022, 5, 6901-6910.	5.0	4
61	Study on the association between CTD peptides and zinc(ii)-dipicolylamine appended beta-cyclodextrin. RSC Advances, 2015, 5, 80434-80440.	3.6	3
62	A nano-catalyst promoting endogenous NO production to enhance chemotherapy efficacy by vascular normalization. Materials Chemistry Frontiers, 2022, 6, 1269-1281.	5.9	3
63	Qualitative and quantitative relationships between affinity constants from model study and real adsorption data. Science Bulletin, 2010, 55, 3248-3252.	1.7	2
64	Studies on antineoplastic effect by adjusting ratios of targeted-ligand and antitumor drug. Chinese Journal of Polymer Science (English Edition), 2014, 32, 540-550.	3.8	2
65	Acid-responsive aggregated SERS nanoparticles for improved tumor diagnosis. Materials Chemistry Frontiers, 2022, 6, 644-651.	5.9	2
66	The effect of Î±-helix comformation on interaction between model oligopeptides and polymers. Science Bulletin, 2008, 53, 473-476.	1.7	1
67	Application of surface plasmon resonance in screening adsorbents and explaining adsorption phenomena using model polymers. Science Bulletin, 2010, 55, 3644-3647.	1.7	1
68	Affinity adsorption mechanism studies of adsorbents C1-Zn(II) for uremic middle molecular peptides containing Asp-Phe-Leu-Ala-Glu sequence. Science China Chemistry, 2011, 54, 375-379.	8.2	0
69	Hemoperfusion Method for Removing Endotoxin. Regenerative Medicine, Artificial Cells and Nanomedicine, 2017, , 265-284.	0.1	0
70	Construction of a Linear Cell Cross-Linker with Multivalent Glycyrrhetinic Acid Ligands for Rapid Formation of Hepatocyte Spheroids. ACS Biomaterials Science and Engineering, 2018, 4, 3570-3577.	5.2	0