Liang Zhao

List of Publications by Year
in descending order

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71 papers	2,768 citations	196777 29 h-index	223390 49 g-index
73 all docs	73 docs citations	73 times ranked	4217 citing authors

#	Article	IF	Citations
1	Visibleâ€Lightâ€Induced Regioselective Deaminative Alkylation of Coumarins via Photoredox Catalysis. Advanced Synthesis and Catalysis, 2022, 364, 24-29.	2.1	10
2	Bioengineered microglia-targeted exosomes facilitate AÎ² clearance via enhancing activity of microglial lysosome for promoting cognitive recovery in Alzheimer's disease. , 2022, 136, 212770.		9
3	A biomimetic zeolite-based nanoenzyme contributes to neuroprotection in the neurovascular unit after ischaemic stroke via efficient removal of zinc and ROS. Acta Biomaterialia, 2022, 144, 142-156.	4.1	11
4	A multifunctional antibacterial and self-healing hydrogel laden with bone marrow mesenchymal stem cell-derived exosomes for accelerating diabetic wound healing. Materials Science and Engineering C, 2022, 133, 112613.	3.8	45
5	Brain-targeted heptapeptide-loaded exosomes attenuated ischemiaâ€“reperfusion injury by promoting the transfer of healthy mitochondria from astrocytes to neurons. Journal of Nanobiotechnology, 2022, 20, .	4.2	18
6	Iron-catalyzed Câ€“F bond silylation and borylation of fluoroarenes. Organic Chemistry Frontiers, 2021, 8, 5322-5327.	2.3	9
7	Plasma Exosomes as a Therapeutic Approach Prevent the Cognitive Decline by Inhibiting Tau Protein Hyperphosphorylation in Alzheimerâ€™s Disease Mice. Journal of Biomaterials and Tissue Engineering, 2021, 11, 221-228.	0.0	0
8	A novel brain targeted plasma exosomes enhance the neuroprotective efficacy of edaravone in ischemic stroke. IET Nanobiotechnology, 2021, 15, 107-116.	1.9	9
9	Surface-modified engineered exosomes attenuated cerebral ischemia/reperfusion injury by targeting the delivery of quercetin towards impaired neurons. Journal of Nanobiotechnology, 2021, 19, 141.	4.2	57
10	Ginkgolide B Alleviates Learning and Memory Impairment in Rats With Vascular Dementia by Reducing Neuroinflammation via Regulating NF-ÎºB Pathway. Frontiers in Pharmacology, 2021, 12, 676392.	1.6	12
11	Baicalin-loaded macrophage-derived exosomes ameliorate ischemic brain injury via the antioxidative pathway. Materials Science and Engineering C, 2021, 126, 112123.	3.8	29
12	Growth arrest and DNA damage-inducible protein 34 (GADD34) contributes to cerebral ischemic injury and can be detected in plasma exosomes. Neuroscience Letters, 2021, 758, 136004.	1.0	10
13	Biomimetic silibinin-loaded macrophage-derived exosomes induce dual inhibition of AÎ² aggregation and astrocyte activation to alleviate cognitive impairment in a model of Alzheimer's disease. Materials Science and Engineering C, 2021, 129, 112365.	3.8	24
14	Plasma Exosomes Loaded pH-Responsive Carboxymethylcellulose Hydrogel Promotes Wound Repair by Activating the Vascular Endothelial Growth Factor Signaling Pathway in Type 1 Diabetic Mice. Journal of Biomedical Nanotechnology, 2021, 17, 2021-2033.	0.5	9
15	A thermoreversible antibacterial zeolite-based nanoparticles loaded hydrogel promotes diabetic wound healing via detrimental factor neutralization and ROS scavenging. Journal of Nanobiotechnology, 2021, 19, 414.	4.2	27
16	Fabrication of carboxymethylcellulose hydrogel containing Î²-cyclodextrinâ€“eugenol inclusion complexes for promoting diabetic wound healing. Journal of Biomaterials Applications, 2020, 34, 851-863.	1.2	14
17	A general and green fluoroalkylation reaction promoted via noncovalent interactions between acetone and fluoroalkyl iodides. Chemical Communications, 2020, 56, 1815-1818.	2.2	68
18	Curcumin-laden exosomes target ischemic brain tissue and alleviate cerebral ischemia-reperfusion injury by inhibiting ROS-mediated mitochondrial apoptosis. Materials Science and Engineering C, 2020, 117, 111314.	3.8	80

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19	Edaravone-Loaded Macrophage-Derived Exosomes Enhance Neuroprotection in the Rat Permanent Middle Cerebral Artery Occlusion Model of Stroke. Molecular Pharmaceutics, 2020, 17, 3192-3201.	2.3	36
20	Brain delivery of quercetin-loaded exosomes improved cognitive function in AD mice by inhibiting phosphorylated tau-mediated neurofibrillary tangles. Drug Delivery, 2020, 27, 745-755.	2.5	116
21	Plasma exosomes protect against cerebral ischemia/reperfusion injury via exosomal HSP70 mediated suppression of ROS. Life Sciences, 2020, 256, 117987.	2.0	29
22	Iron-Catalyzed Silylation of (Hetero)aryl Chlorides with Et₃SiBpin. Organic Letters, 2020, 22, 2816-2821.	2.4	22
23	Brain Microvascular Endothelial Cell Derived Exosomes Potently Ameliorate Cognitive Dysfunction by Enhancing the Clearance of AÎ² Through Up-Regulation of P-gp in Mouse Model of AD. Neurochemical Research, 2020, 45, 2161-2172.	1.6	21
24	Chitosan nanoparticles loaded with aspirin and 5â€fluororacil enable synergistic antitumour activity through the modulation of NFâ€ÎºB/COXâ€2 signalling pathway. IET Nanobiotechnology, 2020, 14, 479-484.	1.9	10
25	Curcumin-loaded chitosan nanoparticles promote diabetic wound healing via attenuating inflammation in a diabetic rat model. Journal of Biomaterials Applications, 2019, 34, 476-486.	1.2	46
26	The Photoinduced Metalâ€Free Hydrotrifluoromethylation of Vinyl Phosphonates or Phosphine Oxides. European Journal of Organic Chemistry, 2019, 2019, 7475-7482.	1.2	10
27	Macrophage-derived exosomes accelerate wound healing through their anti-inflammation effects in a diabetic rat model. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 3793-3803.	1.9	108
28	Palladium-catalyzed cross-coupling of benzylzinc reagents with 2-bromo-3,3,3-trifluoropropene. Synthetic Communications, 2019, 49, 3329-3334.	1.1	2
29	Curcumin-primed exosomes potently ameliorate cognitive function in AD mice by inhibiting hyperphosphorylation of the Tau protein through the AKT/GSK-3Î² pathway. Nanoscale, 2019, 11, 7481-7496.	2.8	202
30	Exosomes from LPS-stimulated macrophages induce neuroprotection and functional improvement after ischemic stroke by modulating microglial polarization. Biomaterials Science, 2019, 7, 2037-2049.	2.6	142
31	Chitosan nanoparticles induced the antitumor effect in hepatocellular carcinoma cells by regulating ROS-mediated mitochondrial damage and endoplasmic reticulum stress. Artificial Cells, Nanomedicine and Biotechnology, 2019, 47, 747-756.	1.9	32
32	pH-responsive calcium alginate hydrogel laden with protamine nanoparticles and hyaluronan oligosaccharide promotes diabetic wound healing by enhancing angiogenesis and antibacterial activity. Drug Delivery and Translational Research, 2019, 9, 227-239.	3.0	64
33	Development and application of vortex-assisted membrane extraction based on metalâ€“organic framework mixed-matrix membrane for the analysis of estrogens in human urine. Analytica Chimica Acta, 2018, 1023, 35-43.	2.6	50
34	Chitosan nanoparticles triggered the induction of ROS-mediated cytoprotective autophagy in cancer cells. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 293-301.	1.9	41
35	Iodine-Catalyzed Câ€“H Amidation and Imination at the 2Î±-Position of 2,3-Disubstituted Indoles with Chloramine Salts. Journal of Organic Chemistry, 2018, 83, 4665-4673.	1.7	7
36	Chitosan nanoparticles loaded hydrogels promote skin wound healing through the modulation of reactive oxygen species. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 138-149.	1.9	38

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37	Curcumin-loaded chitosanâ€“bovine serum albumin nanoparticles potentially enhanced AÎ² 42 phagocytosis and modulated macrophage polarization in Alzheimerâ€™s disease. Nanoscale Research Letters, 2018, 13, 330.	3.1	55
38	Exosomes derived from siRNA against GRP78 modified bone-marrow-derived mesenchymal stem cells suppress Sorafenib resistance in hepatocellular carcinoma. Journal of Nanobiotechnology, 2018, 16, 103.	4.2	97
39	Hyaluronic acid-coated chitosan nanoparticles induce ROS-mediated tumor cell apoptosis and enhance antitumor efficiency by targeted drug delivery via CD44. Journal of Nanobiotechnology, 2017, 15, 7.	4.2	124
40	Triphenyl Phosphine-Functionalized Chitosan Nanoparticles Enhanced Antitumor Efficiency Through Targeted Delivery of Doxorubicin to Mitochondria. Nanoscale Research Letters, 2017, 12, 158.	3.1	43
41	Chitosan nanoparticle-mediated co-delivery of shAtg-5 and gefitinib synergistically promoted the efficacy of chemotherapeutics through the modulation of autophagy. Journal of Nanobiotechnology, 2017, 15, 28.	4.2	29
42	Nanoparticle Delivery of Artesunate Enhances the Anti-tumor Efficiency by Activating Mitochondria-Mediated Cell Apoptosis. Nanoscale Research Letters, 2017, 12, 403.	3.1	27
43	mAb MDR1-modified chitosan nanoparticles overcome acquired EGFR-TKI resistance through two potential therapeutic targets modulation of MDR1 and autophagy. Journal of Nanobiotechnology, 2017, 15, 66.	4.2	14
44	In vitro and in vivo evaluation of SN-38 nanocrystals with different particle sizes. International Journal of Nanomedicine, 2017, Volume 12, 5487-5500.	3.3	20
45	Sodium Alginate Coated Chitosan Nanoparticles Enhance Antitumor Efficiency via Smartly Regulating Drug Release at Different pH. Journal of Biomaterials and Tissue Engineering, 2017, 7, 127-133.	0.0	3
46	Preparation and characterization of novel chitosan-protamine nanoparticles for nucleus-targeted anticancer drug delivery. International Journal of Nanomedicine, 2016, Volume 11, 6035-6046.	3.3	20
47	Combination therapy with BPTES nanoparticles and metformin targets the metabolic heterogeneity of pancreatic cancer. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5328-36.	3.3	180
48	Preparation of Gefitinib Loaded Chitosan-Bovine Serum Albumin Nanoparticles for Enhancing Antitumor Effects. Journal of Biomaterials and Tissue Engineering, 2016, 6, 582-587.	0.0	2
49	Efficient Nucleus-Targeted Delivery of Gene by Nuclear Localization Signal Peptides-Mediated Nanoparticles. Journal of Biomaterials and Tissue Engineering, 2016, 6, 924-930.	0.0	2
50	Nanoparticles inhibit cancer cell invasion and enhance antitumor efficiency by targeted drug delivery via cell surface-related GRP78. International Journal of Nanomedicine, 2015, 10, 245.	3.3	27
51	Co-delivery of Gefitinib and chloroquine by chitosan nanoparticles for overcoming the drug acquired resistance. Journal of Nanobiotechnology, 2015, 13, 57.	4.2	57
52	Intracellular targeted co-delivery of shMDR1 and gefitinib with chitosan nanoparticles for overcoming multidrug resistance. International Journal of Nanomedicine, 2015, 10, 7045.	3.3	12
53	The role of c-Src in the invasion and metastasis of hepatocellular carcinoma cells induced by association of cell surface GRP78 with activated Î±2M. BMC Cancer, 2015, 15, 389.	1.1	29
54	Effects of arsenic trioxide on proliferation, paracrine and migration of cardiac progenitor cells. International Journal of Cardiology, 2015, 179, 393-396.	0.8	5

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55	Protamine nanoparticles for improving shRNA-mediated anti-cancer effects. Nanoscale Research Letters, 2015, 10, 134.	3.1	10
56	GRP78 confers the resistance to 5-FU by activating the c-Src/LSF/TS Axis in hepatocellular carcinoma. Oncotarget, 2015, 6, 33658-33674.	0.8	21
57	Preparation of biocompatible heat-labile enterotoxin subunit B-bovine serum albumin nanoparticles for improving tumor-targeted drug delivery via heat-labile enterotoxin subunit B mediation. International Journal of Nanomedicine, 2014, 9, 2149.	3.3	14
58	Gefitinib loaded folate decorated bovine serum albumin conjugated carboxymethyl-beta-cyclodextrin nanoparticles enhance drug delivery and attenuate autophagy in folate receptor-positive cancer cells. Journal of Nanobiotechnology, 2014, 12, 43.	4.2	64
59	Carboxymethyl-Î²-cyclodextrin conjugated nanoparticles facilitate therapy for folate receptor-positive tumor with the mediation of folic acid. International Journal of Pharmaceutics, 2014, 474, 202-211.	2.6	53
60	Folic Acid-Chitosan Conjugated Nanoparticles for Improving Tumor-Targeted Drug Delivery. BioMed Research International, 2013, 2013, 1-6.	0.9	73
61	The Cell Surface GRP78 Facilitates the Invasion of Hepatocellular Carcinoma Cells. BioMed Research International, 2013, 2013, 1-8.	0.9	34
62	Preparation of Biocompatible Carboxymethyl Chitosan Nanoparticles for Delivery of Antibiotic Drug. BioMed Research International, 2013, 2013, 1-7.	0.9	30
63	Clinical pharmacology considerations in biologics development. Acta Pharmacologica Sinica, 2012, 33, 1339-1347.	2.8	81
64	Carbon nanotubes grown on electrospun polyacrylonitrile-based carbon nanofibers via chemical vapor deposition. Applied Physics A: Materials Science and Processing, 2012, 106, 863-869.	1.1	3
65	Preparation and characterization of imprinted monolith with metal ion as pivot. Journal of Chromatography A, 2011, 1218, 9071-9079.	1.8	31
66	A new stochastic approach to multi-compartment pharmacokinetic models: probability of traveling route and distribution of residence time in linear and nonlinear systems. Journal of Pharmacokinetics and Pharmacodynamics, 2011, 38, 83-104.	0.8	9
67	Characterization of Convection for Molecularly Imprinted Monolith. Chromatographia, 2010, 71, 559-569.	0.7	10
68	Comparison of methods for evaluating drug-drug interaction. Frontiers in Bioscience - Elite, 2010, E2, 241-249.	0.9	120
69	Modification of electrospun poly(vinylidene fluorideâ€coâ€hexafluoropropylene) membranes through the introduction of poly(ethylene glycol) dimethacrylate. Journal of Applied Polymer Science, 2009, 111, 3104-3112.	1.3	13
70	New developments in using stochastic recipe for multi-compartment model: Inter-compartment traveling route, residence time, and exponential convolution expansion. Mathematical Biosciences and Engineering, 2009, 6, 663-682.	1.0	6
71	Atom transfer radical additions (ATRAs) promoted by catalytic amounts of amines: The effective iododifluoroalkylation of alkenes/alkynes. Synthetic Communications, 0, , 1-9.	1.1	0