Hua Ai

List of Publications by Year
in descending order

60	4,302	201674 27	138484 58
papers	citations	h-index	g-index

63	63	63	7745
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	PEGylated amphiphilic polymeric manganese(<scp>ii</scp>) complexes as magnetic resonance angiographic agents. Journal of Materials Chemistry B, 2022, 10, 2204-2214.	5.8	9
2	Photoinduced Superhydrophilicity of Gd-Doped TiO₂ Ellipsoidal Nanoparticles Boosts T₁ Contrast Enhancement for Magnetic Resonance Imaging. Nano Letters, 2022, 22, 3219-3227.	9.1	14
3	Surface carboxylation of iron oxide nanoparticles brings reduced macrophage inflammatory response through inhibiting macrophage autophagy. International Journal of Energy Production and Management, 2022, 9, .	3.7	5
4	Stimulusâ€Responsive Nanoparticle Magnetic Resonance Imaging Contrast Agents: Design Considerations and Applications. Advanced Healthcare Materials, 2021, 10, e2001091.	7.6	51
5	MRI-Visible Nanovehicle for Efficient siRNA Delivery. Methods in Molecular Biology, 2021, 2282, 195-208.	0.9	0
6	Stimuliâ€Responsive Nanotheranostics. Advanced Healthcare Materials, 2021, 10, e2100243.	7.6	11
7	Tetraphenylethylene-conjugated polycation covered iron oxide nanoparticles for magnetic resonance/optical dual-mode imaging. International Journal of Energy Production and Management, 2021, 8, rbab023.	3.7	10
8	Delivery of siHIFâ€1α to Reconstruct Tumor Normoxic Microenvironment for Effective Chemotherapeutic and Photodynamic Anticancer Treatments. Small, 2021, 17, e2100609.	10.0	13
9	Dual regulation of osteoclastogenesis and osteogenesis for osteoporosis therapy by iron oxide hydroxyapatite core/shell nanocomposites. International Journal of Energy Production and Management, 2021, 8, rbab027.	3.7	20
10	Integration of PEG-conjugated gadolinium complex and superparamagnetic iron oxide nanoparticles as T1â€“T2 dual-mode magnetic resonance imaging probes. International Journal of Energy Production and Management, 2021, 8, rbab064.	3.7	11
11	Proanthocyanidin-crosslinked collagen/konjac glucomannan hydrogel with improved mechanical properties and MRI trackable biodegradation for potential tissue engineering scaffolds. Journal of Materials Chemistry B, 2020, 8, 316-331.	5.8	20
12	Bioactive iron oxide nanoparticles suppress osteoclastogenesis and ovariectomy-induced bone loss through regulating the TRAF6-p62-CYLD signaling complex. Acta Biomaterialia, 2020, 103, 281-292.	8.3	38
13	Controlled aggregation of amphiphilic aggregationâ€induced emission polycation and superparamagnetic iron oxide nanoparticles as fluorescence/magnetic resonance imaging probes. Journal of Applied Polymer Science, 2020, 137, 48760.	2.6	4
14	Assembly-Controlled Magnetic Nanoparticle Clusters as MRI Contrast Agents. ACS Biomaterials Science and Engineering, 2020, 6, 2533-2542.	5.2	28
15	Magnetofection: Magic magnetic nanoparticles for efficient gene delivery. Chinese Chemical Letters, 2020, 31, 3041-3046.	9.0	56
16	Integration of Indocyanine Green Analogs as Nearâ€Infrared Fluorescent Carrier for Precise Imagingâ€Guided Gene Delivery. Small, 2020, 16, e1906538.	10.0	29
17	MRI Tracking of Dendritic Cells Loaded with Superparamagnetic Iron Oxide Nanoparticles. Methods in Molecular Biology, 2020, 2126, 107-116.	0.9	4
18	Accurate identification of myocardial viability after myocardial infarction with novel manganese chelateâ€based MR imaging. NMR in Biomedicine, 2019, 32, e4158.	2.8	4

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19	Iron oxide nanoparticles promote vascular endothelial cells survival from oxidative stress by enhancement of autophagy. International Journal of Energy Production and Management, 2019, 6, 221-229.	3.7	21
20	Simultaneous dual-colour tracking lipid droplets and lysosomes dynamics using a fluorescent probe. Chemical Science, 2019, 10, 2342-2348.	7.4	132
21	Phosphorylation of LIFR promotes prostate cancer progression by activating the AKT pathway. Cancer Letters, 2019, 451, 110-121.	7.2	20
22	Iron oxide nanoparticles promote macrophage autophagy and inflammatory response through activation of toll-like Receptor-4 signaling. Biomaterials, 2019, 203, 23-30.	11.4	102
23	Super-resolution imaging and real-time tracking lysosome in living cells by a fluorescent probe. Science China Chemistry, 2018, 61, 483-489.	8.2	18
24	White matter volume loss in amyotrophic lateral sclerosis: A meta-analysis of voxel-based morphometry studies. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 83, 110-117.	4.8	21
25	Abnormal dynamic functional connectivity of amygdalar subregions in untreated patients with first-episode major depressive disorder. Journal of Psychiatry and Neuroscience, 2018, 43, 262-272.	2.4	42
26	Biodegradable and Renal-Clearable Hollow Porous Iron Oxide Nanoboxes for in Vivo Imaging. Chemistry of Materials, 2018, 30, 7950-7961.	6.7	39
27	Bombesin functionalized ⁶⁴Cu-copper sulfide nanoparticles for targeted imaging of orthotopic prostate cancer. Nanomedicine, 2018, 13, 1695-1705.	3.3	23
28	Lactosylated N-Alkyl polyethylenimine coated iron oxide nanoparticles induced autophagy in mouse dendritic cells. International Journal of Energy Production and Management, 2018, 5, 141-149.	3.7	25
29	Albumin-based nanoparticles loaded with hydrophobic gadolinium chelates as T₁â€“T₂dual-mode contrast agents for accurate liver tumor imaging. Nanoscale, 2017, 9, 4516-4523.	5.6	50
30	Intrinsic disruption of white matter microarchitecture in first-episode, drug-naive major depressive disorder: A voxel-based meta-analysis of diffusion tensor imaging. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 76, 179-187.	4.8	56
31	Poly(ethylene glycol) modified Mn²⁺ complexes as contrast agents with a prolonged observation window in rat MRA. RSC Advances, 2017, 7, 54603-54609.	3.6	8
32	Disorganization of white matter architecture in major depressive disorder: a meta-analysis of diffusion tensor imaging with tract-based spatial statistics. Scientific Reports, 2016, 6, 21825.	3.3	109
33	Mesenchymal Stem Cells Combined with Hepatocyte Growth Factor Therapy for Attenuating Ischaemic Myocardial Fibrosis: Assessment using Multimodal Molecular Imaging. Scientific Reports, 2016, 6, 33700.	3.3	22
34	Control of the interparticle spacing in superparamagnetic iron oxide nanoparticle clusters by surface ligand engineering. Chinese Physics B, 2016, 25, 077504.	1.4	4
35	Reduction of polyethylenimine-coated iron oxide nanoparticles induced autophagy and cytotoxicity by lactosylation. International Journal of Energy Production and Management, 2016, 3, 223-229.	3.7	29
36	The effect of neighbor distance of magnetic nanoparticle clusters on magnetic resonance relaxation properties. Science Bulletin, 2016, 61, 1023-1030.	9.0	16

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37	Negatively Charged Magnetite Nanoparticle Clusters as Efficient MRI Probes for Dendritic Cell Labeling and In Vivo Tracking. Advanced Functional Materials, 2015, 25, 3581-3591.	14.9	43
38	Self-assembled superparamagnetic nanoparticles as MRI contrast agentsâ€" A review. Chinese Physics B, 2015, 24, 127506.	1.4	12
39	Surface and Interfacial Engineering of Iron Oxide Nanoplates for Highly Efficient Magnetic Resonance Angiography. ACS Nano, 2015, 9, 3012-3022.	14.6	124
40	Multivalent manganese complex decorated amphiphilic dextran micelles as sensitive MRI probes. Journal of Materials Chemistry B, 2015, 3, 1470-1473.	5.8	26
41	Superparamagnetic MRI probes for inÂvivo tracking of dendritic cell migration with a clinical 3ÂT scanner. Biomaterials, 2015, 58, 63-71.	11.4	39
42	Magnetic Resonance Imaging for Monitoring of Magnetic Polyelectrolyte Capsule In Vivo Delivery. BioNanoScience, 2014, 4, 59-70.	3.5	20
43	A novel fluorescent pH probe with valuable pK_abased on a twisted intramolecular charge transfer mechanism, and its applications in cell imaging. RSC Advances, 2014, 4, 36849-36853.	3.6	25
44	Delivery of siRNA by MRI-visible nanovehicles to overcome drug resistance in MCF-7/ADR human breast cancer cells. Biomaterials, 2014, 35, 9495-9507.	11.4	67
45	Superparamagnetic iron oxide nanoparticles for MR imaging and therapy: design considerations and clinical applications. Current Opinion in Pharmacology, 2014, 18, 18-27.	3.5	251
46	Amphiphilic starlike dextran wrapped superparamagnetic iron oxide nanoparticle clsuters as effective magnetic resonance imaging probes. Biomaterials, 2013, 34, 1193-1203.	11.4	89
47	Multifunctional Probes for Multimodality Imaging of Cancer. , 2012, , 863-903.		0
48	Near-infrared fluorescent amphiphilic polycation wrapped magnetite nanoparticles as multimodality probes. Science Bulletin, 2012, 57, 4012-4018.	1.7	14
49	Rigid Mn(ii) chelate as efficient MRI contrast agent for vascular imaging. Dalton Transactions, 2012, 41, 14480.	3.3	51
50	Tracking Tumor Cells in Lymphatics in a Mice Xenograft Model by Magnetic Resonance Imaging. Molecular Imaging, 2012, 11, 7290.2012.00007.	1.4	2
51	Nonclustered magnetite nanoparticle encapsulated biodegradable polymeric micelles with enhanced properties for in vivo tumor imaging. Journal of Materials Chemistry, 2011, 21, 4796.	6.7	62
52	Surface-Engineered Magnetic Nanoparticle Platforms for Cancer Imaging and Therapy. Accounts of Chemical Research, 2011, 44, 883-892.	15.6	520
53	Layer-by-layer capsules for magnetic resonance imaging and drug delivery. Advanced Drug Delivery Reviews, 2011, 63, 772-788.	13.7	161
54	Magnetic resonance imaging probes for labeling of chondrocyte cells. Journal of Materials Science: Materials in Medicine, 2011, 22, 601-606.	3.6	22

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55	Low molecular weight alkyl-polycation wrapped magnetite nanoparticle clusters as MRI probes for stem cell labeling and in vivo imaging. Biomaterials, 2011, 32, 528-537.	11.4	126
56	Amphiphilic dextran/magnetite nanocomposites as magnetic resonance imaging probes. Science Bulletin, 2009, 54, 2925-2933.	1.7	15
57	Manganese ferrite nanoparticle micellar nanocomposites as MRI contrast agent for liver imaging. Biomaterials, 2009, 30, 2919-2928.	11.4	325
58	Self-Assembly of Magnetite Nanocrystals with Amphiphilic Polyethylenimine: Structures and Applications in Magnetic Resonance Imaging. Journal of Nanoscience and Nanotechnology, 2009, 9, 378-385.	0.9	49
59	Cell labeling efficiency of layer-by-layer self-assembly modified silica nanoparticles. Journal of Materials Research, 2009, 24, 1317-1321.	2.6	15
60	Multifunctional Polymeric Micelles as Cancer-Targeted, MRI-Ultrasensitive Drug Delivery Systems. Nano Letters, 2006, 6, 2427-2430.	9.1	1,180