Zhongbing Huang

List of Publications by Year in Descending Order

87 papers	2,176 citations	24 h-index	44 g-index
93 ext. papers	2,524 ext. citations	5.7 avg, IF	4.75 L-index

#	Paper	IF	Citations
87	MBG/ PGA-PCL composite scaffolds provide highly tunable degradation and osteogenic features.. *Bioactive Materials*, **2022**, 15, 53-67	16.7	0
86	Gene delivery of chitosan-graft-polyethyleneimine vectors loaded on scaffolds for nerve regeneration.. *Carbohydrate Polymers*, **2022**, 290, 119499	10.3	2
85	High Biocompatible Poly(lactic-co-glycolic acid)-Based Nanosensitizer With Magnetic Resonance Imaging Capacity for Tumor Targeted Microwave Hyperthermia and Chemotherapy.. *Journal of Biomedical Nanotechnology*, **2022**, 18, 369-380	4	
84	Inhibitory Effects of Combined Bone Morphogenetic Protein 2, Vascular Endothelial Growth Factor, and Basic Fibroblast Growth Factor on Osteoclast Differentiation and Activity. *Tissue Engineering - Part A*, **2021**, 27, 1387-1398	3.9	1
83	Fluorescent hollow ZrO@CdTe nanoparticles-based lateral flow assay for simultaneous detection of C-reactive protein and troponin T. *Mikrochimica Acta*, **2021**, 188, 209	5.8	0
82	An Imbalanced Image Classification Method for the Cell Cycle Phase. *Information (Switzerland)*, **2021**, 12, 249	2.6	0
81	Preparation and properties of covalent organic framework nanoparticles with high drug loading. *Frontiers of Materials Science*, **2021**, 15, 465-470	2.5	0
80	Photothermal photodynamic therapy and enhanced radiotherapy of targeting copolymer-coated liquid metal nanoparticles on liver cancer. *Colloids and Surfaces B: Biointerfaces*, **2021**, 207, 112023	6	5
79	Rapid and simultaneous detection of heart-type fatty acid binding protein and cardiac troponin using a lateral flow assay based on metal organic framework@CdTe nanoparticles. *Nanoscale*, **2021**, 13, 7844-7850	7.7	6
78	Ion release behavior of vanadium-doped mesoporous bioactive glass particles and the effect of the released ions on osteogenic differentiation of BMSCs the FAK/MAPK signaling pathway. *Journal of Materials Chemistry B*, **2021**, 9, 7848-7865	7.3	2
77	Polydopamine/carboxylic graphene oxide-composited polypyrrole films for promoting adhesion and alignment of Schwann cells. *Colloids and Surfaces B: Biointerfaces*, **2020**, 191, 110972	6	9
76	Preparation of polyethylene glycol-polyacrylic acid block copolymer micelles with pH/hypoxic dual-responsive for tumor chemoradiotherapy. *Colloids and Surfaces B: Biointerfaces*, **2020**, 191, 110943	6	6
75	Preparation and enhanced properties of ZrMOF@CdTe nanoparticles with high-density quantum dots. *Frontiers of Materials Science*, **2020**, 14, 155-162	2.5	
74	Spaced TiO2 nanotube arrays for electrodeposition of MoO3 to achieve high electrochemical performance. *Journal of Alloys and Compounds*, **2020**, 820, 153066	5.7	6
73	Fabrication of doxorubicin and chlorotoxin-linked Eu-Gd2O3 nanorods with dual-model imaging and targeted therapy of brain tumor. *Chinese Chemical Letters*, **2020**, 31, 285-291	8.1	9
72	Fabrication of extracellular matrix-coated conductive polypyrrole-poly(l-lactide) fiber-films and their synergistic effect with (nerve growth factor)/(epidermal growth factor) on neurites growth. *Chinese Chemical Letters*, **2020**, 31, 1141-1146	8.1	2
71	Preparation of Graphene Oxide-Doped Polypyrrole Composite Films with Stable Conductivity and Their Effect on the Elongation and Alignment of Neurite. *ACS Biomaterials Science and Engineering*, **2019**, 5, 1268-1278	5.5	8

70	Preparation and characterization of peptide modified ultrasmall superparamagnetic iron oxides used as tumor targeting MRI contrast agent.. *RSC Advances*, **2019**, 9, 19397-19407	3.7	7
69	High Biocompatible ZIF-8 Coated by ZrO for Chemo-microwave Thermal Tumor Synergistic Therapy. *ACS Applied Materials & Interfaces*, **2019**, 11, 10520-10531	9.5	49
68	Fabrication of Chitosan/Polypyrrole-coated poly(L-lactic acid)/Polycaprolactone aligned fibre films for enhancement of neural cell compatibility and neurite growth. *Cell Proliferation*, **2019**, 52, e12588	7.9	21
67	Facile synthesis of a BiMoO/TiO nanotube arrays composite by the solvothermal method and its application for high-performance supercapacitor.. *RSC Advances*, **2019**, 9, 4693-4699	3.7	13
66	Zirconium metal-organic framework nanocrystal as microwave sensitizer for enhancement of tumor therapy. *Chinese Chemical Letters*, **2019**, 30, 481-484	8.1	13
65	Fabrication of carboxylic graphene oxide-composited polypyrrole film for neurite growth under electrical stimulation. *Frontiers of Materials Science*, **2019**, 13, 258-267	2.5	5
64	Preparation of carboxylic graphene oxide-composited polypyrrole conduits and their effect on sciatic nerve repair under electrical stimulation. *Journal of Biomedical Materials Research - Part A*, **2019**, 107, 2784-2795	5.4	23
63	Peptide-Decorated Ultrasmall Superparamagnetic Nanoparticles as Active Targeting MRI Contrast Agents for Ovarian Tumors. *ACS Applied Materials & Interfaces*, **2019**, 11, 41038-41050	9.5	11
62	Mitochondria-targeted zirconium metal-organic frameworks for enhancing the efficacy of microwave thermal therapy against tumors. *Biomaterials Science*, **2018**, 6, 1535-1545	7.4	35
61	Microwave-Activated Mn-Doped Zirconium Metal-Organic Framework Nanocubes for Highly Effective Combination of Microwave Dynamic and Thermal Therapies Against Cancer. *ACS Nano*, **2018**, 12, 2201-2210	16.7	107
60	Thermosensitive star polymer pompons with a core-arm structure as thermo-responsive controlled release drug carriers.. *RSC Advances*, **2018**, 8, 15604-15612	3.7	11
59	Fabrication of magnetic nanochains linked with CTX and curcumin for dual modal imaging detection and limitation of early tumour. *Cell Proliferation*, **2018**, 51, e12486	7.9	13
58	Synthesis of Macroporous Magnetic Fe□□Microparticles Via a Novel Organic Matter Assisted Open-Cell Hollow Sphere Assembly Method. *Materials*, **2018**, 11,	3.5	4
57	Improvement of Thermosensitive Liposome Stability by Cerasome Forming Lipid with Si-O-Si Network Structure. *Current Drug Delivery*, **2018**, 15, 585-593	3.2	2
56	Imaging-guided synergetic therapy of orthotopic transplantation tumor by superselectively arterial administration of microwave-induced microcapsules. *Biomaterials*, **2017**, 133, 144-153	15.6	24
55	Facile synthesis of a □MoO3 nanoplate/TiO2 nanotube composite for high electrochemical performance. *RSC Advances*, **2017**, 7, 22983-22989	3.7	14
54	RGD/CTX-conjugated multifunctional Eu-GdO NRs for targeting detection and inhibition of early tumor. *Journal of Materials Chemistry B*, **2017**, 5, 4863-4875	7.3	3
53	Dissolution behavior of CaO-MgO-SiO -based multiphase bioceramic powders and effects of the released ions on osteogenesis. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 3159-3168	5.4	9

52	Porous PLGA microspheres with recruited ions and doxorubicin for triple-combination therapy of larger hepatocellular carcinoma. *Journal of Materials Chemistry B*, **2017**, 5, 9025-9032	7.3	4
51	Glioma targeted delivery strategy of doxorubicin-loaded liposomes by dual-ligand modification. *Journal of Biomaterials Science, Polymer Edition*, **2017**, 28, 1695-1712	3.5	15
50	Ni3S2@polypyrrole composite supported on nickel foam with improved rate capability and cycling durability for asymmetric supercapacitor device applications. *Journal of Materials Science*, **2017**, 52, 3642-3656	4.3	36
49	Enhancement of neurite adhesion, alignment and elongation on conductive polypyrrole-poly(lactide acid) fibers with cell-derived extracellular matrix. *Colloids and Surfaces B: Biointerfaces*, **2017**, 149, 217-225	6	53
48	A novel akermanite/poly (lactic-co-glycolic acid) porous composite scaffold fabricated via a solvent casting-particulate leaching method improved by solvent self-proliferating process. *International Journal of Energy Production and Management*, **2017**, 4, 233-242	5.3	21
47	Fabrication of Eu-doped Gd(OH)3 Nanorods with Enhanced Magnetic- Resonance and Luminescence Imaging. *Current Drug Delivery*, **2017**, 14, 342-348	3.2	2
46	Fabrication of RGD-conjugated Gd(OH):Eu nanorods with enhancement of magnetic resonance, luminescence imaging and in vivo tumor targeting. *Dalton Transactions*, **2016**, 45, 14063-14070	4.3	5
45	Construction of a Hierarchical NiCo2S4@PPy Core-Shell Heterostructure Nanotube Array on Ni Foam for a High-Performance Asymmetric Supercapacitor. *ACS Applied Materials & Interfaces*, **2016**, 8, 24525-35	9.5	327
44	Functionalized magnetic nanochains with enhanced MR imaging: A novel nanosystem for targeting and inhibition of early glioma. *Colloids and Surfaces B: Biointerfaces*, **2016**, 140, 437-445	6	11
43	Fabrication of Gd/Eu-codoped SmPO4 nanorods for dual-modal magnetic resonance and bio-optical imaging. *Journal of Colloid and Interface Science*, **2016**, 466, 1-11	9.3	9
42	Preparation of Polypyrrole-Protein Composite Films and the Electrochemically Controlled Release of Proteins. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 2283-90	1.3	4
41	Fabrication of Aligned Conducting PPy-PLLA Fiber Films and Their Electrically Controlled Guidance and Orientation for Neurites. *ACS Applied Materials & Interfaces*, **2016**, 8, 12576-82	9.5	50
40	In Vivo Magnetic Resonance Imaging and Microwave Thermotherapy of Cancer Using Novel Chitosan Microcapsules. *Nanoscale Research Letters*, **2016**, 11, 334	5	11
39	An Efficient and Recyclable Urchin-Like Yolk–Shell Fe3O4@SiO2@Co3O4 Catalyst for Photocatalytic Water Oxidation. *Catalysis Letters*, **2015**, 145, 1067-1071	2.8	6
38	Fabrication of aligned, porous and conductive fibers and their effects on cell adhesion and guidance. *Colloids and Surfaces B: Biointerfaces*, **2015**, 134, 469-74	6	39
37	Fabrication of polypyrrole/proteins composite film and their electro-controlled release for axons outgrowth. *Electrochimica Acta*, **2015**, 185, 172-177	6.7	8
36	Facile preparation and bifunctional imaging of Eu-doped GdPO4 nanorods with MRI and cellular luminescence. *Dalton Transactions*, **2015**, 44, 3934-40	4.3	35
35	Encapsulating Ionic Liquid and Fe□□ Nanoparticles in Gelatin Microcapsules as Microwave Susceptible Agent for MR Imaging-guided Tumor Thermotherapy. *ACS Applied Materials & Interfaces*, **2015**, 7, 13612-9	9.5	33

34	Different effects of a novel CaO-MgO-SiO□based multiphase glass-ceramic on cell behaviors of normal and cancer cells in vitro. *Colloids and Surfaces B: Biointerfaces*, **2014**, 116, 1-8	6	5
33	One-pot gradient solvothermal synthesis of the Ag/Au□e3O4 composite nanoparticles and their applications. *RSC Advances*, **2014**, 4, 56057-56062	3.7	8
32	Fabrication and neuron cytocompatibility of iron oxide nanoparticles coated with silk-fibroin peptides. *Colloids and Surfaces B: Biointerfaces*, **2014**, 116, 465-71	6	29
31	A facile approach to synthesize rose-like ZnO/reduced graphene oxide composite: fluorescence and photocatalytic properties. *Journal of Materials Science*, **2014**, 49, 5658-5666	4.3	18
30	Localized delivery of growth factors for angiogenesis and bone formation in tissue engineering. *International Immunopharmacology*, **2013**, 16, 214-23	5.8	59
29	One-pot gradient solvothermal synthesis of Au□e3O4 hybrid nanoparticles for magnetically recyclable catalytic applications. *Journal of Materials Chemistry A*, **2013**, 1, 10513	13	26
28	A novel peptide specifically targeting ovarian cancer identified by in vivo phage display. *Journal of Peptide Science*, **2013**, 19, 730-6	2.1	18
27	Fabrication of conductive NGF-conjugated polypyrrole-poly(l-lactic acid) fibers and their effect on neurite outgrowth. *Colloids and Surfaces B: Biointerfaces*, **2013**, 110, 450-7	6	34
26	Preparation of ZnFe2O4 nanoparticles in the template of silk-fibroin peptide and their neuro-cytocompability in PC12 cells. *Colloids and Surfaces B: Biointerfaces*, **2013**, 107, 19-26	6	16
25	Inhibiting Effects of a Cyclic Peptide CNGRC on Proliferation and Migration of Tumor Cells In Vitro. *International Journal of Peptide Research and Therapeutics*, **2013**, 19, 163-173	2.1	3
24	A Facile Synthesis of Monodispersed Carbon-encapsulated Copper Nanoparticles with Excellent Oxidation Resistance from a Refluxing-derived Precursor. *Chemistry Letters*, **2013**, 42, 627-629	1.7	3
23	An Improved Method to Increase the Concentration of Graphene in Organic Solvent. *Chemistry Letters*, **2012**, 41, 747-749	1.7	8
22	Preparation and enhanced ferromagnetic, semi-conductive, and optical properties of Co-doped ZnO rod arrays **2012**, 9, 621-628		7
21	Histidine-Assisted Synthesis and Cellular Compatibility of Magnetic Cobalt Oxide Nanoparticles at Room Temperature. *Journal of Inorganic and Organometallic Polymers and Materials*, **2012**, 22, 492-499	3.2	7
20	Cellular compatibility of biomineralized ZnO nanoparticles based on prokaryotic and eukaryotic systems. *Langmuir*, **2011**, 27, 13206-11	4	33
19	Preparation and cell response of bio-mineralized Fe3O4 nanoparticles. *Journal of Colloid and Interface Science*, **2011**, 363, 393-402	9.3	26
18	In vitro bioactivity and cytocompatibility of tricalcium silicate. *Bulletin of Materials Science*, **2011**, 34, 1151-1155	1.7	5
17	Synthesis and characterization of vanadium carbide nanoparticles by thermal refluxing-derived precursors. *Journal of Materials Science*, **2011**, 46, 3693-3697	4.3	12

16	Preparation of titanium nitride nanoparticles from a novel refluxing derived precursor. *Journal Wuhan University of Technology, Materials Science Edition*, **2011**, 26, 429-433	1	7
15	Preparation, structure and properties of Mn-doped ZnO rod arrays. *CrystEngComm*, **2010**, 12, 192-198	3.3	34
14	Preparation and characterization of Ni-doped ZnO particles via a bioassisted process. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2010**, 372, 165-171	5.1	21
13	The preparation of BSA-PLLA microparticles in a batch supercritical anti-solvent process. *Carbohydrate Polymers*, **2009**, 77, 244-249	10.3	24
12	Preparation and properties of red phosphor CaO: Eu3+. *Journal of Materials Science*, **2009**, 44, 2388-2392	4.3	13
11	Equilibrium of drops on inclined fibers. *Journal of Colloid and Interface Science*, **2009**, 330, 399-403	9.3	15
10	Biomineralization of uniform gallium oxide rods with cellular compatibility. *Inorganic Chemistry*, **2009**, 48, 6471-9	5.1	24
9	Preparation and Optical Properties of Biomimic Hierarchical ZnO Column Arrays. *Crystal Growth and Design*, **2009**, 9, 707-714	3.5	12
8	Segmented nanofibrils of spiral silk in Uloborus walckenaerius spider. *Journal of Physical Chemistry B*, **2009**, 113, 5092-7	3.4	4
7	Characterization and bacterial response of zinc oxide particles prepared by a biomineralization process. *Journal of Physical Chemistry B*, **2009**, 113, 6047-53	3.4	37
6	Toxicological effect of ZnO nanoparticles based on bacteria. *Langmuir*, **2008**, 24, 4140-4	4	471
5	Synthesis and characterization of multiphase bioactive glass-ceramics in the CaO□MgO□SiO2 system with B2O3 additive. *Journal of Materials Research*, **2008**, 23, 2873-2879	2.5	5
4	Preparation and magnetic properties of Cu-ferrite nanorods and nanowires. *Journal of Colloid and Interface Science*, **2008**, 317, 530-5	9.3	18
3	Preparation and characterization of the biomineralized zinc oxide particles in spider silk peptides. *Journal of Colloid and Interface Science*, **2008**, 325, 356-62	9.3	32
2	Controlled Growth of Aligned Arrays of Cu□errite Nanorods. *Crystal Growth and Design*, **2006**, 6, 1931-1935	3.5	45
1	Preliminary study on the antigen-removal from extracellular matrix via different decellularization. *Tissue Engineering - Part C: Methods*,	2.9	1