

Zhongbing Huang

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Toxicological effect of ZnO nanoparticles based on bacteria. <i>Langmuir</i> , 2008 , 24, 4140-4	4	471
86	Construction of a Hierarchical NiCo ₂ S ₄ @PPy Core-Shell Heterostructure Nanotube Array on Ni Foam for a High-Performance Asymmetric Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 24525-35	9.5	327
85	Microwave-Activated Mn-Doped Zirconium Metal-Organic Framework Nanocubes for Highly Effective Combination of Microwave Dynamic and Thermal Therapies Against Cancer. <i>ACS Nano</i> , 2018 , 12, 2201-2210	16.7	107
84	Localized delivery of growth factors for angiogenesis and bone formation in tissue engineering. <i>International Immunopharmacology</i> , 2013 , 16, 214-23	5.8	59
83	Enhancement of neurite adhesion, alignment and elongation on conductive polypyrrole-poly(lactide acid) fibers with cell-derived extracellular matrix. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 149, 217-225	6	53
82	Fabrication of Aligned Conducting PPy-PLLA Fiber Films and Their Electrically Controlled Guidance and Orientation for Neurites. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12576-82	9.5	50
81	High Biocompatible ZIF-8 Coated by ZrO for Chemo-microwave Thermal Tumor Synergistic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 10520-10531	9.5	49
80	Controlled Growth of Aligned Arrays of Cu ₂ FeS ₂ Nanorods. <i>Crystal Growth and Design</i> , 2006 , 6, 1931-1935	3.5	45
79	Fabrication of aligned, porous and conductive fibers and their effects on cell adhesion and guidance. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 134, 469-74	6	39
78	Characterization and bacterial response of zinc oxide particles prepared by a biomineralization process. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 6047-53	3.4	37
77	Ni ₃ S ₂ @polypyrrole composite supported on nickel foam with improved rate capability and cycling durability for asymmetric supercapacitor device applications. <i>Journal of Materials Science</i> , 2017 , 52, 3642-3656	4.3	36
76	Mitochondria-targeted zirconium metal-organic frameworks for enhancing the efficacy of microwave thermal therapy against tumors. <i>Biomaterials Science</i> , 2018 , 6, 1535-1545	7.4	35
75	Facile preparation and bifunctional imaging of Eu-doped GdPO ₄ nanorods with MRI and cellular luminescence. <i>Dalton Transactions</i> , 2015 , 44, 3934-40	4.3	35
74	Fabrication of conductive NGF-conjugated polypyrrole-poly(l-lactic acid) fibers and their effect on neurite outgrowth. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 110, 450-7	6	34
73	Preparation, structure and properties of Mn-doped ZnO rod arrays. <i>CrystEngComm</i> , 2010 , 12, 192-198	3.3	34
72	Encapsulating Ionic Liquid and Fe ₃ O ₄ Nanoparticles in Gelatin Microcapsules as Microwave Susceptible Agent for MR Imaging-guided Tumor Thermotherapy. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 13612-9	9.5	33
71	Cellular compatibility of biomineralized ZnO nanoparticles based on prokaryotic and eukaryotic systems. <i>Langmuir</i> , 2011 , 27, 13206-11	4	33

70	Preparation and characterization of the biomineralized zinc oxide particles in spider silk peptides. <i>Journal of Colloid and Interface Science</i> , 2008 , 325, 356-62	9.3	32
69	Fabrication and neuron cytocompatibility of iron oxide nanoparticles coated with silk-fibroin peptides. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 116, 465-71	6	29
68	One-pot gradient solvothermal synthesis of Au@Fe ₃ O ₄ hybrid nanoparticles for magnetically recyclable catalytic applications. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 10513	13	26
67	Preparation and cell response of bio-mineralized Fe ₃ O ₄ nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2011 , 363, 393-402	9.3	26
66	Imaging-guided synergetic therapy of orthotopic transplantation tumor by superselectively arterial administration of microwave-induced microcapsules. <i>Biomaterials</i> , 2017 , 133, 144-153	15.6	24
65	The preparation of BSA-PLLA microparticles in a batch supercritical anti-solvent process. <i>Carbohydrate Polymers</i> , 2009 , 77, 244-249	10.3	24
64	Biomineralization of uniform gallium oxide rods with cellular compatibility. <i>Inorganic Chemistry</i> , 2009 , 48, 6471-9	5.1	24
63	Preparation of carboxylic graphene oxide-composited polypyrrole conduits and their effect on sciatic nerve repair under electrical stimulation. <i>Journal of Biomedical Materials Research - Part A</i> , 2019 , 107, 2784-2795	5.4	23
62	Fabrication of Chitosan/Polypyrrole-coated poly(L-lactic acid)/Polycaprolactone aligned fibre films for enhancement of neural cell compatibility and neurite growth. <i>Cell Proliferation</i> , 2019 , 52, e12588	7.9	21
61	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. <i>International Journal of Energy Production and Management</i> , 2017 , 4, 233-242	5.3	21
60	Preparation and characterization of Ni-doped ZnO particles via a bioassisted process. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2010 , 372, 165-171	5.1	21
59	A facile approach to synthesize rose-like ZnO/reduced graphene oxide composite: fluorescence and photocatalytic properties. <i>Journal of Materials Science</i> , 2014 , 49, 5658-5666	4.3	18
58	A novel peptide specifically targeting ovarian cancer identified by in vivo phage display. <i>Journal of Peptide Science</i> , 2013 , 19, 730-6	2.1	18
57	Preparation and magnetic properties of Cu-ferrite nanorods and nanowires. <i>Journal of Colloid and Interface Science</i> , 2008 , 317, 530-5	9.3	18
56	Preparation of ZnFe ₂ O ₄ nanoparticles in the template of silk-fibroin peptide and their neuro-cytocompatibility in PC12 cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 107, 19-26	6	16
55	Glioma targeted delivery strategy of doxorubicin-loaded liposomes by dual-ligand modification. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 1695-1712	3.5	15
54	Equilibrium of drops on inclined fibers. <i>Journal of Colloid and Interface Science</i> , 2009 , 330, 399-403	9.3	15
53	Facile synthesis of a HMoO ₃ nanoplate/TiO ₂ nanotube composite for high electrochemical performance. <i>RSC Advances</i> , 2017 , 7, 22983-22989	3.7	14

52	Facile synthesis of a BiMoO/TiO nanotube arrays composite by the solvothermal method and its application for high-performance supercapacitor.. <i>RSC Advances</i> , 2019 , 9, 4693-4699	3.7	13
51	Fabrication of magnetic nanochains linked with CTX and curcumin for dual modal imaging detection and limitation of early tumour. <i>Cell Proliferation</i> , 2018 , 51, e12486	7.9	13
50	Zirconium metal-organic framework nanocrystal as microwave sensitizer for enhancement of tumor therapy. <i>Chinese Chemical Letters</i> , 2019 , 30, 481-484	8.1	13
49	Preparation and properties of red phosphor CaO: Eu ³⁺ . <i>Journal of Materials Science</i> , 2009 , 44, 2388-2392	4.3	13
48	Synthesis and characterization of vanadium carbide nanoparticles by thermal refluxing-derived precursors. <i>Journal of Materials Science</i> , 2011 , 46, 3693-3697	4.3	12
47	Preparation and Optical Properties of Biomimic Hierarchical ZnO Column Arrays. <i>Crystal Growth and Design</i> , 2009 , 9, 707-714	3.5	12
46	Thermosensitive star polymer pompons with a core-arm structure as thermo-responsive controlled release drug carriers.. <i>RSC Advances</i> , 2018 , 8, 15604-15612	3.7	11
45	Functionalized magnetic nanochains with enhanced MR imaging: A novel nanosystem for targeting and inhibition of early glioma. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 140, 437-445	6	11
44	Peptide-Decorated Ultrasmall Superparamagnetic Nanoparticles as Active Targeting MRI Contrast Agents for Ovarian Tumors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41038-41050	9.5	11
43	In Vivo Magnetic Resonance Imaging and Microwave Thermotherapy of Cancer Using Novel Chitosan Microcapsules. <i>Nanoscale Research Letters</i> , 2016 , 11, 334	5	11
42	Polydopamine/carboxylic graphene oxide-composited polypyrrole films for promoting adhesion and alignment of Schwann cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 191, 110972	6	9
41	Fabrication of Gd/Eu-codoped SmPO ₄ nanorods for dual-modal magnetic resonance and bio-optical imaging. <i>Journal of Colloid and Interface Science</i> , 2016 , 466, 1-11	9.3	9
40	Dissolution behavior of CaO-MgO-SiO ₂ -based multiphase bioceramic powders and effects of the released ions on osteogenesis. <i>Journal of Biomedical Materials Research - Part A</i> , 2017 , 105, 3159-3168	5.4	9
39	Fabrication of doxorubicin and chlorotoxin-linked Eu-Gd ₂ O ₃ nanorods with dual-model imaging and targeted therapy of brain tumor. <i>Chinese Chemical Letters</i> , 2020 , 31, 285-291	8.1	9
38	Preparation of Graphene Oxide-Doped Polypyrrole Composite Films with Stable Conductivity and Their Effect on the Elongation and Alignment of Neurite. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 1268-1278	5.5	8
37	Fabrication of polypyrrole/proteins composite film and their electro-controlled release for axons outgrowth. <i>Electrochimica Acta</i> , 2015 , 185, 172-177	6.7	8
36	One-pot gradient solvothermal synthesis of the Ag/AuFe ₃ O ₄ composite nanoparticles and their applications. <i>RSC Advances</i> , 2014 , 4, 56057-56062	3.7	8
35	An Improved Method to Increase the Concentration of Graphene in Organic Solvent. <i>Chemistry Letters</i> , 2012 , 41, 747-749	1.7	8

34	Preparation and characterization of peptide modified ultrasmall superparamagnetic iron oxides used as tumor targeting MRI contrast agent.. <i>RSC Advances</i> , 2019 , 9, 19397-19407	3.7	7
33	Preparation and enhanced ferromagnetic, semi-conductive, and optical properties of Co-doped ZnO rod arrays 2012 , 9, 621-628		7
32	Histidine-Assisted Synthesis and Cellular Compatibility of Magnetic Cobalt Oxide Nanoparticles at Room Temperature. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012 , 22, 492-499	3.2	7
31	Preparation of titanium nitride nanoparticles from a novel refluxing derived precursor. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 429-433	1	7
30	An Efficient and Recyclable Urchin-Like Yolk@Shell Fe ₃ O ₄ @SiO ₂ @Co ₃ O ₄ Catalyst for Photocatalytic Water Oxidation. <i>Catalysis Letters</i> , 2015 , 145, 1067-1071	2.8	6
29	Preparation of polyethylene glycol-polyacrylic acid block copolymer micelles with pH/hypoxic dual-responsive for tumor chemoradiotherapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 191, 110943	6	6
28	Spaced TiO ₂ nanotube arrays for electrodeposition of MoO ₃ to achieve high electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2020 , 820, 153066	5.7	6
27	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. <i>Nanoscale</i> , 2021 , 13, 7844-7850	7.7	6
26	Fabrication of RGD-conjugated Gd(OH):Eu nanorods with enhancement of magnetic resonance, luminescence imaging and in vivo tumor targeting. <i>Dalton Transactions</i> , 2016 , 45, 14063-14070	4.3	5
25	Fabrication of carboxylic graphene oxide-composited polypyrrole film for neurite growth under electrical stimulation. <i>Frontiers of Materials Science</i> , 2019 , 13, 258-267	2.5	5
24	Different effects of a novel CaO-MgO-SiO ₂ -based multiphase glass-ceramic on cell behaviors of normal and cancer cells in vitro. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 116, 1-8	6	5
23	In vitro bioactivity and cytocompatibility of tricalcium silicate. <i>Bulletin of Materials Science</i> , 2011 , 34, 1151-1155	1.7	5
22	Synthesis and characterization of multiphase bioactive glass-ceramics in the CaO-MgO-BiO ₂ system with B ₂ O ₃ additive. <i>Journal of Materials Research</i> , 2008 , 23, 2873-2879	2.5	5
21	Photothermal photodynamic therapy and enhanced radiotherapy of targeting copolymer-coated liquid metal nanoparticles on liver cancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 207, 112023	6	5
20	Preparation of Polypyrrole-Protein Composite Films and the Electrochemically Controlled Release of Proteins. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 2283-90	1.3	4
19	Synthesis of Macroporous Magnetic Fe ₃ O ₄ Microparticles Via a Novel Organic Matter Assisted Open-Cell Hollow Sphere Assembly Method. <i>Materials</i> , 2018 , 11,	3.5	4
18	Porous PLGA microspheres with recruited ions and doxorubicin for triple-combination therapy of larger hepatocellular carcinoma. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 9025-9032	7.3	4
17	Segmented nanofibrils of spiral silk in Uloborus walckenaerius spider. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 5092-7	3.4	4

16	RGD/CTX-conjugated multifunctional Eu-GdO NRs for targeting detection and inhibition of early tumor. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 4863-4875	7.3	3
15	Inhibiting Effects of a Cyclic Peptide CNGRC on Proliferation and Migration of Tumor Cells In Vitro. <i>International Journal of Peptide Research and Therapeutics</i> , 2013 , 19, 163-173	2.1	3
14	A Facile Synthesis of Monodispersed Carbon-encapsulated Copper Nanoparticles with Excellent Oxidation Resistance from a Refluxing-derived Precursor. <i>Chemistry Letters</i> , 2013 , 42, 627-629	1.7	3
13	Fabrication of Eu-doped Gd(OH) ₃ Nanorods with Enhanced Magnetic- Resonance and Luminescence Imaging. <i>Current Drug Delivery</i> , 2017 , 14, 342-348	3.2	2
12	Improvement of Thermosensitive Liposome Stability by Cerasome Forming Lipid with Si-O-Si Network Structure. <i>Current Drug Delivery</i> , 2018 , 15, 585-593	3.2	2
11	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. <i>Chinese Chemical Letters</i> , 2020 , 31, 1141-1146	8.1	2
10	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. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 7848-7865	7.3	2
9	Gene delivery of chitosan-graft-polyethyleneimine vectors loaded on scaffolds for nerve regeneration.. <i>Carbohydrate Polymers</i> , 2022 , 290, 119499	10.3	2
8	Inhibitory Effects of Combined Bone Morphogenetic Protein 2, Vascular Endothelial Growth Factor, and Basic Fibroblast Growth Factor on Osteoclast Differentiation and Activity. <i>Tissue Engineering - Part A</i> , 2021 , 27, 1387-1398	3.9	1
7	Preliminary study on the antigen-removal from extracellular matrix via different decellularization. <i>Tissue Engineering - Part C: Methods</i> ,	2.9	1
6	Fluorescent hollow ZrO@CdTe nanoparticles-based lateral flow assay for simultaneous detection of C-reactive protein and troponin T. <i>Mikrochimica Acta</i> , 2021 , 188, 209	5.8	0
5	An Imbalanced Image Classification Method for the Cell Cycle Phase. <i>Information (Switzerland)</i> , 2021 , 12, 249	2.6	0
4	Preparation and properties of covalent organic framework nanoparticles with high drug loading. <i>Frontiers of Materials Science</i> , 2021 , 15, 465-470	2.5	0
3	MBG/ PGA-PCL composite scaffolds provide highly tunable degradation and osteogenic features.. <i>Bioactive Materials</i> , 2022 , 15, 53-67	16.7	0
2	Preparation and enhanced properties of ZrMOF@CdTe nanoparticles with high-density quantum dots. <i>Frontiers of Materials Science</i> , 2020 , 14, 155-162	2.5	
1	High Biocompatible Poly(lactic-co-glycolic acid)-Based Nanosensitizer With Magnetic Resonance Imaging Capacity for Tumor Targeted Microwave Hyperthermia and Chemotherapy.. <i>Journal of Biomedical Nanotechnology</i> , 2022 , 18, 369-380	4	