

Hai-Jun Zhang

List of Publications by Year in descending order

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71
papers

2,204
citations

218677

26
h-index

243625

44
g-index

72
all docs

72
docs citations

72
times ranked

2312
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibitor of apoptosis-stimulating protein of p53 inhibits ferroptosis and alleviates intestinal ischemia/reperfusion-induced acute lung injury. <i>Cell Death and Differentiation</i> , 2020, 27, 2635-2650.	11.2	281
2	Exosomes from adipose-derived stem cells overexpressing Nrf2 accelerate cutaneous wound healing by promoting vascularization in a diabetic foot ulcer rat model. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-14.	7.7	263
3	Effects of Ag, Cu or Ca addition on microstructure and comprehensive properties of biodegradable Zn-0.8Mn alloy. <i>Materials Science and Engineering C</i> , 2019, 99, 969-978.	7.3	86
4	Design biodegradable Zn alloys: Second phases and their significant influences on alloy properties. <i>Bioactive Materials</i> , 2020, 5, 210-218.	15.6	85
5	Long-term in vivo study of biodegradable Zn-Cu stent: A 2-year implantation evaluation in porcine coronary artery. <i>Acta Biomaterialia</i> , 2019, 97, 657-670.	8.3	82
6	Investigation of zinc-copper alloys as potential materials for craniomaxillofacial osteosynthesis implants. <i>Materials Science and Engineering C</i> , 2019, 103, 109826.	7.3	70
7	Influences of albumin on in vitro corrosion of pure Zn in artificial plasma. <i>Corrosion Science</i> , 2019, 153, 341-356.	6.6	70
8	Interfacial engineering for stabilizing polymer electrolytes with 4V cathodes in lithium metal batteries at elevated temperature. <i>Nano Energy</i> , 2020, 72, 104655.	16.0	68
9	Direct Asymmetric Vinylogous and Bisvinylogous Mannich-Type Reaction Catalyzed by a Copper(I) Complex. <i>Journal of the American Chemical Society</i> , 2017, 139, 2196-2199.	13.7	64
10	High-performance hot-warm rolled Zn-0.8Li alloy with nano-sized metastable precipitates and sub-micron grains for biodegradable stents. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2618-2624.	10.7	59
11	HiPSC-derived retinal ganglion cells grow dendritic arbors and functional axons on a tissue-engineered scaffold. <i>Acta Biomaterialia</i> , 2017, 54, 117-127.	8.3	52
12	Multi-scale stabilization of high-voltage LiCoO ₂ enabled by nanoscale solid electrolyte coating. <i>Energy Storage Materials</i> , 2020, 29, 71-77.	18.0	49
13	Hemocompatibility of biodegradable Zn-0.8 wt% (Cu, Mn, Li) alloys. <i>Materials Science and Engineering C</i> , 2019, 104, 109896.	7.3	46
14	Asymmetric Synthesis of α,β -Unsaturated γ -Lactones through Copper(I)-Catalyzed Direct Vinylogous Aldol Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 12270-12279.	13.7	45
15	Catalytic Asymmetric Construction of Halogenated Stereogenic Carbon Centers by Direct Vinylogous Mannich-Type Reaction. <i>Journal of the American Chemical Society</i> , 2018, 140, 15170-15175.	13.7	42
16	Single Atom-Modified Hybrid Transition Metal Carbides as Efficient Hydrogen Evolution Reaction Catalysts. <i>Advanced Functional Materials</i> , 2021, 31, 2104285.	14.9	42
17	Insight into role and mechanism of Li on the key aspects of biodegradable Zn Li alloys: Microstructure evolution, mechanical properties, corrosion behavior and cytotoxicity. <i>Materials Science and Engineering C</i> , 2020, 114, 111049.	7.3	40
18	Enhancement in mechanical and corrosion resistance properties of a biodegradable Zn-Fe alloy through second phase refinement. <i>Materials Science and Engineering C</i> , 2020, 116, 111197.	7.3	38

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19	Appropriately adapted properties of hot-extruded Zn ^{0.5} Cu ^x Fe alloys aimed for biodegradable guided bone regeneration membrane application. <i>Bioactive Materials</i> , 2021, 6, 975-989.	15.6	37
20	Comparison of complications in cranioplasty with various materials: a systematic review and meta-analysis. <i>British Journal of Neurosurgery</i> , 2020, 34, 388-396.	0.8	36
21	Caveolin-1 Limits the Contribution of BKCa Channel to MCF-7 Breast Cancer Cell Proliferation and Invasion. <i>International Journal of Molecular Sciences</i> , 2014, 15, 20706-20722.	4.1	32
22	Copper-Catalyzed Vinyllogous Aerobic Oxidation of Unsaturated Compounds with Air. <i>Journal of the American Chemical Society</i> , 2018, 140, 5300-5310.	13.7	32
23	Bioengineering CXCR4-overexpressing cell membrane functionalized ROS-responsive nanotherapeutics for targeting cerebral ischemia-reperfusion injury. <i>Theranostics</i> , 2021, 11, 8043-8056.	10.0	32
24	Hierarchical microstructure and two-stage corrosion behavior of a high-performance near-eutectic Zn-Li alloy. <i>Journal of Materials Science and Technology</i> , 2021, 80, 50-65.	10.7	32
25	Meta-analysis of the incidence of lead dislodgement with conventional and leadless pacemaker systems. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2018, 41, 1365-1371.	1.2	31
26	Theranostics for hepatocellular carcinoma with Fe ₃ O ₄ @ZnO nanocomposites. <i>Biomaterials Science</i> , 2016, 4, 288-298.	5.4	29
27	Meta-analysis of intracavitary electrocardiogram guidance for peripherally inserted central catheter placement. <i>Journal of Vascular Access</i> , 2019, 20, 577-582.	0.9	29
28	Copper(I)-catalyzed asymmetric decarboxylative Mannich reaction enabled by acidic activation of 2H-azirines. <i>Nature Communications</i> , 2019, 10, 1699.	12.8	28
29	Advances of wogonin, an extract from <i>Scutellaria baicalensis</i> , for the treatment of multiple tumors. <i>OncoTargets and Therapy</i> , 2016, 9, 2935.	2.0	25
30	Insertion of peripherally inserted central catheters with intracavitary electrocardiogram guidance: A randomized multicenter study in China. <i>Journal of Vascular Access</i> , 2019, 20, 524-529.	0.9	25
31	TUG1 enhances high glucose-impaired endothelial progenitor cell function via miR-29c-3p/PDGF-BB/Wnt signaling. <i>Stem Cell Research and Therapy</i> , 2020, 11, 441.	5.5	25
32	Significant refinement of coarse (Fe, Mn)Zn ₁₃ phase in biodegradable Zn ^{0.1} Mn-0.1Fe alloy with minor addition of rare earth elements. <i>Materials Characterization</i> , 2019, 158, 109993.	4.4	19
33	Microfluidic-Chip-Integrated Biosensors for Lung Disease Models. <i>Biosensors</i> , 2021, 11, 456.	4.7	18
34	Biodegradable scaffolds facilitate epiretinal transplantation of hiPSC-Derived retinal neurons in nonhuman primates. <i>Acta Biomaterialia</i> , 2021, 134, 289-301.	8.3	17
35	Suppression mechanism of initial pitting corrosion of pure Zn by Li alloying. <i>Corrosion Science</i> , 2021, 189, 109564.	6.6	16
36	Nanoerythrocyte Membrane-Enveloped ROS-Responsive 5-aminolevulinic Acid Prodrug Nanostructures with Robust Atheroprotection. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 2000021.	2.3	15

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37	Copper(I)-Catalyzed Regioselective Asymmetric Addition of 1,4-Pentadiene to Ketones. <i>Journal of the American Chemical Society</i> , 2021, 143, 4556-4562.	13.7	15
38	Osteogenic and angiogenic bioactive collagen entrapped calcium/zinc phosphates coating on biodegradable Zn for orthopedic implant applications. , 2022, 136, 212792.		15
39	Safety and efficacy of leadless pacemaker retrieval. <i>Journal of Cardiovascular Electrophysiology</i> , 2019, 30, 1671-1678.	1.7	14
40	Carbon Nanotube Polymer Scaffolds as a Conductive Alternative for the Construction of Retinal Sheet Tissue. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3167-3175.	3.5	12
41	Solely abluminal drug release from coronary stents could possibly improve reendothelialization. <i>Catheterization and Cardiovascular Interventions</i> , 2016, 88, E59-66.	1.7	11
42	Randomized clinical trial comparing abluminal biodegradable polymer sirolimus-eluting stents with durable polymer sirolimus-eluting stents. <i>Medicine (United States)</i> , 2016, 95, e4820.	1.0	11
43	Dexamethasone Provides Effective Immunosuppression for Improved Survival of Retinal Organoids after Epiretinal Transplantation. <i>Stem Cells International</i> , 2019, 2019, 1-14.	2.5	11
44	Effects of different positions of intravascular stent implantation in stenosed vessels on in-stent restenosis: An experimental and numerical simulation study. <i>Journal of Biomechanics</i> , 2020, 113, 110089.	2.1	11
45	Radiofrequency Ablation Versus Antiarrhythmic Drug Therapy for Atrial Fibrillation: Meta-analysis of Safety and Efficacy. <i>Journal of Cardiovascular Pharmacology</i> , 2019, 73, 241-247.	1.9	10
46	Establishing a Surgical Procedure for Rhesus Epiretinal Scaffold Implantation with hiPSC-Derived Retinal Progenitors. <i>Stem Cells International</i> , 2018, 2018, 1-10.	2.5	9
47	Unexpected Role of Nonimmune Cells: Amateur Phagocytes. <i>DNA and Cell Biology</i> , 2021, 40, 157-171.	1.9	9
48	Micro/Nano-Structured Metal-Organic/Inorganic Hybrid Coatings on Biodegradable Zn for Osteogenic and Biocompatible Improvement. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	9
49	Application of nanoparticles to reverse multi-drug resistance in cancer. <i>Nanotechnology Reviews</i> , 2016, 5, 489-496.	5.8	8
50	Research on elastic recoil and restoration of vessel pulsatility of Zn-Cu biodegradable coronary stents. <i>Biomedizinische Technik</i> , 2020, 65, 219-227.	0.8	8
51	Systematic Review and Meta-Analysis of Antibiotic-Impregnated Shunt Catheters on Anti-Infective Effect of Hydrocephalus Shunt. <i>Journal of Korean Neurosurgical Society</i> , 2021, 64, 297-308.	1.2	8
52	Targeted photo-chemo therapy of malignancy on the chest wall while cardiopulmonary avoidance based on Fe ₃ O ₄ @ZnO nanocomposites. <i>Oncotarget</i> , 2016, 7, 36602-36613.	1.8	8
53	New Ultrasound-Controlled Paclitaxel Releasing Balloon vs. Asymmetric Drug-Eluting Stent in Primary ST-Segment Elevation Myocardial Infarction—A Prospective Randomized Trial. <i>Circulation Journal</i> , 2022, 86, 642-650.	1.6	8
54	Improved antitumor efficacy of paclitaxel with nano-formulation in breast cancer. <i>Nanotechnology Reviews</i> , 2017, 6, 291-299.	5.8	7

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55	Drug release kinetics from a drug-eluting stent with asymmetrical coat. <i>Frontiers in Bioscience - Landmark</i> , 2017, 22, 407-415.	3.0	7
56	Self-Assembly Fabrication of Honeycomb-like Magneticâ€“Fluorescent Fe ₃ O ₄ â€“QDs Nanocomposites for Bimodal Imaging. <i>Langmuir</i> , 2020, 36, 14471-14477.	3.5	7
57	Influence of bovine serum albumin on corrosion behaviour of pure Zn in phosphate buffered saline. <i>Journal of Materials Science: Materials in Medicine</i> , 2021, 32, 95.	3.6	7
58	Randomized multicenter study on long-term complications of peripherally inserted central catheters positioned by electrocardiographic technique. <i>Phlebology</i> , 2020, 35, 614-622.	1.2	6
59	Chandler-Loop surveyed blood compatibility and dynamic blood triggered degradation behavior of Zn-4Cu alloy and Zn. <i>Materials Science and Engineering C</i> , 2021, 119, 111594.	7.3	6
60	Chromophobe renal cell carcinoma with and without sarcomatoid change: a clinicopathological, comparative genomic hybridization, and whole-exome sequencing study. <i>American Journal of Translational Research (discontinued)</i> , 2015, 7, 2482-99.	0.0	5
61	Ultrasound controlled paclitaxel releasing systemâ€“A novel method for improving the availability of coronary artery drug coated balloon. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 96, E119-E128.	1.7	4
62	PLGA-PLL-Peg-Tf-Based Targeted Nanoparticles Drug Delivery System Enhance Antitumor Efficacy Via Intrinsic Apoptosis Pathway. <i>Blood</i> , 2015, 126, 5558-5558.	1.4	4
63	A generalized solid strengthening rule for biocompatible Zn-based alloys, a comparison with Mg-based alloys. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22629-22638.	2.8	3
64	Influence of arm position change from adduction to abduction on intracavitary electrocardiogram. <i>Journal of Vascular Access</i> , 2021, 22, 292-298.	0.9	3
65	Activating bimetallic ZIF-derived polymers using facile steam-etching for the ORR. <i>New Journal of Chemistry</i> , 2022, 46, 13629-13635.	2.8	3
66	Drug-eluting balloons versus drug-eluting stents for small vessel coronary artery disease: a meta-analysis. <i>Coronary Artery Disease</i> , 2020, 31, 199-205.	0.7	2
67	Hydroxyapatite nanomaterials with tailored length regulated by different fatty acids. <i>Micro and Nano Letters</i> , 2021, 16, 649-655.	1.3	2
68	Improved liquid phase separation processes for generating biodegradable microspheres loaded with high concentrations of drugs for tumor embolization. <i>Polymer-Plastics Technology and Materials</i> , 2019, 58, 1005-1012.	1.3	1
69	An abluminal biodegradable polymer sirolimus-eluting stent versus a durable polymer everolimus-eluting stent in patients undergoing coronary revascularization: 3-year clinical outcomes of a randomized non-inferiority trial. <i>Scientific Reports</i> , 2019, 9, 18549.	3.3	0
70	ECG-guided PICC insertion using a new silicon catheter with a conductive tip: A retrospective clinical study. <i>Journal of Vascular Access</i> , 2021, , 112972982110025.	0.9	0
71	Sequence analysis of the mitochondrial genome from a large family with maternally inherited nonsyndromic deafness. <i>Chinese Journal of Medical Genetics</i> , 2005, 22, 368-71.	0.1	0