

Huan Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,641
citations

331259

21
h-index

301761

39
g-index

60
all docs

60
docs citations

60
times ranked

2131
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of mesoporous calcium silicate nanoparticles as a potential SD carrier to improve the solubility of curcumin. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 2258-2266.	1.3	6
2	Biodegradable Mg-based alloys: biological implications and restorative opportunities. <i>International Materials Reviews</i> , 2023, 68, 365-403.	9.4	16
3	Fabrication of GO-TiO ₂ /(Ca,Y)F ₂ :Tm,Yb composites with high-efficiency optical driving photocatalytic activity for degradation of organic dyes and bacteriostasis. <i>Rare Metals</i> , 2022, 41, 650-662.	3.6	18
4	Macroporous and Antibacterial Hydrogels Enabled by Incorporation of Mg-Cu Alloy Particles for Accelerating Skin Wound Healing. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 853-866.	1.5	7
5	Improve endothelialization of metallic cardiovascular stent via femtosecond laser induced micro/nanostructure dependent cells proliferation and drug delivery control. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112376.	2.5	8
6	A multi-functional SiO ₂ -releasing hydrogel with bioinspired mechanical properties and biodegradability for vascularized skeletal muscle regeneration. <i>Journal of Materials Chemistry B</i> , 2022, 10, 7540-7555.	2.9	6
7	A review of the effects and molecular mechanisms of dimethylcurcumin (ASC ⁹) on androgen receptor-related diseases. <i>Chemical Biology and Drug Design</i> , 2021, 97, 821-835.	1.5	14
8	Monetite, an important calcium phosphate compound—its synthesis, properties and applications in orthopedics. <i>Acta Biomaterialia</i> , 2021, 127, 41-55.	4.1	43
9	Development of hydrofluoric acid-cleaned silicon nitride implants for periprosthetic infection eradication and bone regeneration enhancement. <i>Materials Science and Engineering C</i> , 2021, 127, 112241.	3.8	10
10	Femtosecond laser-induced nanoporous layer for enhanced osteogenesis of titanium implants. <i>Materials Science and Engineering C</i> , 2021, 127, 112247.	3.8	12
11	Preparation of (CaY)F ₂ :Tm ³⁺ ,Yb ³⁺ deposited porous TiO ₂ matrix with highly near-infrared light photocatalytic activity. <i>Micro and Nano Letters</i> , 2021, 16, 83-89.	0.6	1
12	Effects of polydopamine coatings on nucleation modes of surface mineralization from simulated body fluid. <i>Scientific Reports</i> , 2020, 10, 14982.	1.6	22
13	Synthesis and Herbicidal Activity of Trifluoromethyl-Substituted Phenyl Alkyl Ketoxime Esters of Bispyribac. <i>ChemistrySelect</i> , 2020, 5, 4194-4199.	0.7	1
14	iRGD-paclitaxel conjugate nanoparticles for targeted paclitaxel delivery. <i>Drug Development Research</i> , 2019, 80, 1080-1088.	1.4	19
15	Injectable biomaterials for translational medicine. <i>Materials Today</i> , 2019, 28, 81-97.	8.3	82
16	Translation of bone wax and its substitutes: History, clinical status and future directions. <i>Journal of Orthopaedic Translation</i> , 2019, 17, 64-72.	1.9	22
17	The translatory aspects of calcium phosphates for orthopedic applications. , 2019, , 37-55.		3
18	Co-precipitation of calcium carbonate and curcumin in an ethanol medium as a novel approach for curcumin dissolution enhancement. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 51, 397-402.	1.4	12

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19	Methoxypoly(ethylene glycol)-retinoic acid Micelles Loaded with Dimethylcurcumin for Efficient Castration-Resistant Prostate Cancer Therapy. <i>ChemistrySelect</i> , 2019, 4, 12015-12021.	0.7	8
20	Application of β -CD/HA composite as a potential SD carrier to improve the dissolution of curcumin. <i>Micro and Nano Letters</i> , 2019, 14, 353-358.	0.6	0
21	Synthesis of mesoporous hydroxyapatite via a vitamin C templating hydrothermal route. <i>Materials Letters</i> , 2018, 218, 52-55.	1.3	25
22	Synthesis of mesoporous magnesium phosphates as dispersing carriers for cryptotanshinone solid dispersions. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 938-946.	1.1	1
23	Magnesium-based bioceramics in orthopedic applications. <i>Acta Biomaterialia</i> , 2018, 66, 23-43.	4.1	239
24	Using calcium sulfate cement-Hydroxypropyl methyl cellulose/sodium alginate composites as substitutes of bone wax. <i>International Journal of Applied Ceramic Technology</i> , 2018, 15, 903-909.	1.1	9
25	Nanotechnology-enabled materials for hemostatic and anti-infection treatments in orthopedic surgery. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 8325-8338.	3.3	29
26	Biomimetic coating technology for orthopedic implants. <i>Current Opinion in Chemical Engineering</i> , 2017, 15, 49-55.	3.8	64
27	Mesoporous hydroxyapatite nanoparticles hydrothermally synthesized in aqueous solution with hexametaphosphate and tea polyphenols. <i>Materials Science and Engineering C</i> , 2017, 71, 439-445.	3.8	30
28	Deposition of calcium phosphate coatings using condensed phosphates ($P_2O_7^{4-}$ and $P_3O_{10}^{5-}$) as phosphate source through induction heating. <i>Materials Science and Engineering C</i> , 2016, 69, 337-342.	3.8	5
29	Synthesis of β -TCP and CPP containing biphasic calcium phosphates by a robust technique. <i>Ceramics International</i> , 2016, 42, 11032-11038.	2.3	15
30	Preparation of Chinese mystery snail shells derived hydroxyapatite with different morphology using condensed phosphate sources. <i>Ceramics International</i> , 2016, 42, 16671-16676.	2.3	23
31	Microwave hydrothermal synthesis of calcium phosphates using inorganic condensed phosphate salts as precursors. <i>Materials Letters</i> , 2016, 180, 239-242.	1.3	5
32	Development of a silica sol reinforced monetite cement matrix. <i>Materials Technology</i> , 2015, 30, B237-B241.	1.5	2
33	Influence of ethanol content in the precipitation medium on the composition, structure and reactivity of magnesium-calcium phosphate. <i>Materials Science and Engineering C</i> , 2015, 53, 204-211.	3.8	20
34	Preparation of Yttrium Phosphate and Yttrium-Doped Calcium Phosphate Microspheres via Hydrated Ions Exchange. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, E146.	1.1	4
35	Rapid coating of AZ31 magnesium alloy with calcium deficient hydroxyapatite using microwave energy. <i>Materials Science and Engineering C</i> , 2015, 49, 364-372.	3.8	75
36	Development of nanosilica bonded monetite cement from egg shells. <i>Materials Science and Engineering C</i> , 2015, 50, 45-51.	3.8	26

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37	Microwave-assisted fabrication of strontium doped apatite coating on Ti6Al4V. <i>Materials Science and Engineering C</i> , 2015, 56, 174-180.	3.8	22
38	Microwave-assisted rapid preparation of Ca ₁₀ Na(PO ₄) ₇ using sodium triphosphate as a phosphorus source. <i>Ceramics International</i> , 2015, 41, 15111-15115.	2.3	4
39	Microwave-Assisted Production of Amorphous Calcium Magnesium Phosphate: Study From Co-Precipitation to Sintered Products. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, E7.	1.1	0
40	A fast route to modify biopolymer surface: A study on polyetheretherketone (PEEK). <i>Materials Letters</i> , 2014, 125, 96-98.	1.3	41
41	Microwave assisted solution combustion synthesis of strontium phosphate (SrP) whiskers. <i>Materials Letters</i> , 2014, 116, 286-288.	1.3	6
42	Development of monetite/phosphorylated chitosan composite bone cement. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014, 102, 260-266.	1.6	23
43	Formation of nanostructured fluorapatite via microwave assisted solution combustion synthesis. <i>Materials Science and Engineering C</i> , 2014, 37, 363-368.	3.8	22
44	Development of monetite-nanosilica bone cement: A preliminary study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2014, 102, 1620-1626.	1.6	19
45	Sustained release of small molecules from carbon nanotube-reinforced monetite calcium phosphate cement. <i>Materials Science and Engineering C</i> , 2014, 43, 92-96.	3.8	14
46	Cytocompatibility evaluation of microwave sintered biphasic calcium phosphate scaffolds synthesized using pH control. <i>Materials Science and Engineering C</i> , 2013, 33, 1710-1719.	3.8	20
47	Microwave assisted apatite coating deposition on Ti6Al4V implants. <i>Materials Science and Engineering C</i> , 2013, 33, 4435-4443.	3.8	34
48	Microwave assisted preparation of magnesium phosphate cement (MPC) for orthopedic applications: A novel solution to the exothermicity problem. <i>Materials Science and Engineering C</i> , 2013, 33, 4288-4294.	3.8	60
49	Development of multi-walled carbon nanotubes reinforced monetite bionanocomposite cements for orthopedic applications. <i>Materials Science and Engineering C</i> , 2013, 33, 4323-4330.	3.8	27
50	Deposition of PLA/CDHA composite coating via electrospraying. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 784-796.	1.9	8
51	Microwave assisted solution combustion synthesis (MASCS) of europium (Eu) doped chlorapatite nanowhiskers. <i>Materials Letters</i> , 2013, 108, 54-57.	1.3	7
52	The impacts of Mg ²⁺ on strontium phosphate: A preliminary study. <i>Materials Letters</i> , 2013, 113, 63-66.	1.3	6
53	Fabrication of novel poly(lactic acid)/amorphous magnesium phosphate bionanocomposite fibers for tissue engineering applications via electrospinning. <i>Materials Science and Engineering C</i> , 2013, 33, 2302-2310.	3.8	39
54	Microwave assisted synthesis of amorphous magnesium phosphate nanospheres. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 2831-2837.	1.7	42

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55	Novel microwave synthesis of amorphous calcium phosphate nanospheres. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 1142-1150.	1.6	45
56	Fabrication aspects of PLA-CaP/PLGA-CaP composites for orthopedic applications: A review. <i>Acta Biomaterialia</i> , 2012, 8, 1999-2016.	4.1	223
57	Biomimetic coating of bisphosphonate incorporated CDHA on Ti6Al4V. <i>Journal of Materials Science: Materials in Medicine</i> , 2012, 23, 365-374.	1.7	25
58	Hydrolysis of monetite/chitosan composites in $\hat{1}\pm$ -MEM and SBF solutions. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 1101-1109.	1.7	17
59	Fabrication of novel PLA/CDHA bionanocomposite fibers for tissue engineering applications via electrospinning. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 1183-1193.	1.7	54
60	Development of a silica sol-reinforced monetite cement matrix. <i>Materials Technology</i> , 0, , 1-6.	1.5	1