Min Zhu

List of Publications by Year
in descending order

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35 papers	1,979 citations	361413 20 h-index	361022 35 g-index
37 all docs	37 docs citations	37 times ranked	2521 citing authors

#	Article	IF	Citations
1	Significantly decreased depolarization hydrostatic pressure of 3Dâ€printed PZT95/5 ceramics with periodically distributed pores. Journal of the American Ceramic Society, 2022, 105, 412-418.	3.8	5
2	Scalable fabrication of NiCo2O4/reduced graphene oxide composites by ultrasonic spray as binder-free electrodes for supercapacitors with ultralong lifetime. Journal of Materials Science and Technology, 2022, 99, 260-269.	10.7	56
3	Drug-loaded zeolite imidazole framework-8-functionalized bioglass scaffolds with antibacterial activity for bone repair. Ceramics International, 2022, 48, 6890-6898.	4.8	8
4	A distinctive semiconductor-metalloid heterojunction: unique electronic structure and enhanced CO2 photoreduction activity. Journal of Colloid and Interface Science, 2022, 615, 821-830.	9.4	9
5	A Bismuth Species-Decorated ZnO/p-Si Photocathode for High Selectivity of Formate in CO₂ Photoelectrochemical Reduction. ACS Sustainable Chemistry and Engineering, 2022, 10, 2380-2387.	6.7	10
6	Crumpled graphene microspheres anchored on NiCo₂O₄ nanoparticles as an advanced composite electrode for asymmetric supercapacitors with ultralong cycling life. Dalton Transactions, 2022, 51, 4491-4501.	3.3	9
7	The role of rare earth elements in bone tissue engineering scaffolds - A review. Composites Part B: Engineering, 2022, 235, 109758.	12.0	27
8	Bioceramic-based scaffolds with antibacterial function for bone tissue engineering: A review. Bioactive Materials, 2022, 18, 383-398.	15.6	49
9	Fe₃O₄ nanoplates anchored on Ti₃C₂T_x MXene with enhanced pseudocapacitive and electrocatalytic properties. Nanoscale, 2021, 13, 15343-15351.	5.6	20
10	Mesoporous calcium silicate and titanium composite scaffolds via 3D-printing for improved properties in bone repair. Ceramics International, 2021, 47, 18905-18912.	4.8	4
11	Forsterite-hydroxyapatite composite scaffolds with photothermal antibacterial activity for bone repair. Journal of Advanced Ceramics, 2021, 10, 1095-1106.	17.4	15
12	Recent Advances in Biomaterial Scaffolds for Integrative Tumor Therapy and Bone Regeneration. Advanced Therapeutics, 2021, 4, 2000212.	3.2	15
13	3D printing of an integrated triphasic MBG-alginate scaffold with enhanced interface bonding for hard tissue applications. Journal of Materials Science: Materials in Medicine, 2020, 31, 113.	3.6	16
14	Fabrication of forsterite scaffolds with photothermal-induced antibacterial activity by 3D printing and polymer-derived ceramics strategy. Ceramics International, 2020, 46, 13607-13614.	4.8	18
15	Osteopontin sequence modified mesoporous calcium silicate scaffolds to promote angiogenesis in bone tissue regeneration. Journal of Materials Chemistry B, 2020, 8, 5849-5861.	5.8	18
16	Controllable Preparation and in Vitro Bioactivity of Bioglass Microspheres via Spray Drying Method. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2020, , 621.	1.3	2
17	3D printing of mesoporous bioactive glass/silk fibroin composite scaffolds for bone tissue engineering. Materials Science and Engineering C, 2019, 103, 109731.	7.3	116
18	3D-printed ternary SiO2CaO P2O5 bioglass-ceramic scaffolds with tunable compositions and properties for bone regeneration. Ceramics International, 2019, 45, 10997-11005.	4.8	21

#	Article	IF	Citations
19	3D printing of layered mesoporous bioactive glass/sodium alginate-sodium alginate scaffolds with controllable dual-drug release behaviors. Biomedical Materials (Bristol), 2019, 14, 065011.	3.3	36
20	Organosilicon polymer-derived ceramics: An overview. Journal of Advanced Ceramics, 2019, 8, 457-478.	17.4	119
21	3D-printed scaffolds of biomineralized hydroxyapatite nanocomposite on silk fibroin for improving bone regeneration. Applied Surface Science, 2019, 467-468, 345-353.	6.1	67
22	Three dimensional printing of calcium sulfate and mesoporous bioactive glass scaffolds for improving bone regeneration in vitro and in vivo. Scientific Reports, 2017, 7, 42556.	3.3	88
23	The effect of calcium sulfate incorporation on physiochemical and biological properties of 3D-printed mesoporous calcium silicate cement scaffolds. Microporous and Mesoporous Materials, 2017, 241, 11-20.	4.4	54
24	Three-dimensional printing of tricalcium silicate/mesoporous bioactive glass cement scaffolds for bone regeneration. Journal of Materials Chemistry B, 2016, 4, 7452-7463.	5.8	55
25	Three-dimensional printing of cerium-incorporated mesoporous calcium-silicate scaffolds for bone repair. Journal of Materials Science, 2016, 51, 836-844.	3.7	46
26	3D-printed hierarchical scaffold for localized isoniazid/rifampin drug delivery and osteoarticular tuberculosis therapy. Acta Biomaterialia, 2015, 16, 145-155.	8.3	114
27	Three-dimensional printed strontium-containing mesoporous bioactive glass scaffolds for repairing rat critical-sized calvarial defects. Acta Biomaterialia, 2015, 12, 270-280.	8.3	138
28	Effects of functional groups on the structure, physicochemical and biological properties of mesoporous bioactive glass scaffolds. Journal of Materials Chemistry B, 2015, 3, 1612-1623.	5.8	47
29	Three-dimensional printing of strontium-containing mesoporous bioactive glass scaffolds for bone regeneration. Acta Biomaterialia, 2014, 10, 2269-2281.	8.3	278
30	Three dimensionally printed mesoporous bioactive glass and poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) composite scaffolds for bone regeneration. Journal of Materials Chemistry B, 2014, 2, 6106.	5.8	91
31	3D-printed magnetic Fe₃O₄/MBG/PCL composite scaffolds with multifunctionality of bone regeneration, local anticancer drug delivery and hyperthermia. Journal of Materials Chemistry B, 2014, 2, 7583-7595.	5.8	245
32	Mesoporous Silica Nanoparticles/Hydroxyapatite Composite Coated Implants to Locally Inhibit Osteoclastic Activity. ACS Applied Materials & Interfaces, 2014, 6, 5456-5466.	8.0	33
33	Preparation of chitosan/mesoporous silica nanoparticle composite hydrogels for sustained co-delivery of biomacromolecules and small chemical drugs. Science and Technology of Advanced Materials, 2013, 14, 045005.	6.1	65
34	Substitutions of strontium in mesoporous calcium silicate and their physicochemical and biological properties. Acta Biomaterialia, 2013, 9, 6723-6731.	8.3	66
35	Preparation and characterization of multifunctional magnetic mesoporous calcium silicate materials. Science and Technology of Advanced Materials, 2013, 14, 055009.	6.1	19