

Yufang Zhu

List of Publications by Year in descending order

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85
papers

6,412
citations

53751

45
h-index

64755

79
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87
all docs

87
docs citations

87
times ranked

8378
citing authors

#	ARTICLE	IF	CITATIONS
1	A responsive microneedle system for efficient anti-melanoma by combining self-enhanced chemodynamic therapy with photothermal therapy. <i>Chemical Engineering Journal</i> , 2022, 431, 133466.	6.6	19
2	Drug-loaded zeolite imidazole framework-8-functionalized bioglass scaffolds with antibacterial activity for bone repair. <i>Ceramics International</i> , 2022, 48, 6890-6898.	2.3	8
3	Engineering metalloporphyrin-integrated nanosystems for targeted sono-/chemo- dynamic therapy of leptomeningeal carcinomatosis through intrathecal administration. <i>Chemical Engineering Journal</i> , 2022, 437, 135373.	6.6	12
4	Bioceramic-based scaffolds with antibacterial function for bone tissue engineering: A review. <i>Bioactive Materials</i> , 2022, 18, 383-398.	8.6	49
5	Porphyrin-basierte Metall-organische Gerüste für biomedizinische Anwendungen. <i>Angewandte Chemie</i> , 2021, 133, 5064-5091.	1.6	19
6	Porphyrin-Based Metal-Organic Frameworks for Biomedical Applications. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5010-5035.	7.2	311
7	Palladium Nanocrystals-Engineered Metal-Organic Frameworks for Enhanced Tumor Inhibition by Synergistic Hydrogen/Photodynamic Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2006853.	7.8	49
8	Rational Construction of Light-Driven Catalysts for CO ₂ Reduction. <i>Energy & Fuels</i> , 2021, 35, 5696-5715.	2.5	18
9	Mesoporous organosilica nanoparticles: Degradation strategies and application in tumor therapy. <i>View</i> , 2021, 2, 20200117.	2.7	21
10	Recent advances in microneedles for tumor therapy and diagnosis. <i>Applied Materials Today</i> , 2021, 23, 101036.	2.3	11
11	Metal-Organic Framework-Based Nanoagents for Effective Tumor Therapy by Dual Dynamics-Amplified Oxidative Stress. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45201-45213.	4.0	43
12	Forsterite-hydroxyapatite composite scaffolds with photothermal antibacterial activity for bone repair. <i>Journal of Advanced Ceramics</i> , 2021, 10, 1095-1106.	8.9	15
13	Recent Advances in Biomaterial Scaffolds for Integrative Tumor Therapy and Bone Regeneration. <i>Advanced Therapeutics</i> , 2021, 4, 2000212.	1.6	15
14	Silicone resin derived larnite/C scaffolds via 3D printing for potential tumor therapy and bone regeneration. <i>Chemical Engineering Journal</i> , 2020, 382, 122928.	6.6	60
15	Enhanced bone regeneration of 3D printed β -Ca ₂ SiO ₄ scaffolds by aluminum ions solid solution. <i>Ceramics International</i> , 2020, 46, 7783-7791.	2.3	13
16	2D MXene-Integrated 3D-Printing Scaffolds for Augmented Osteosarcoma Phototherapy and Accelerated Tissue Reconstruction. <i>Advanced Science</i> , 2020, 7, 1901511.	5.6	185
17	3D printing of an integrated triphasic MBG-alginate scaffold with enhanced interface bonding for hard tissue applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2020, 31, 113.	1.7	16
18	Nanoplatform-based cascade engineering for cancer therapy. <i>Chemical Society Reviews</i> , 2020, 49, 9057-9094.	18.7	109

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19	A facile synthesis of Ru/Nâ€C as an efficient and cost-effective electrocatalyst for hydrogen evolution. <i>New Journal of Chemistry</i> , 2020, 44, 7962-7967.	1.4	4
20	Fabrication of forsterite scaffolds with photothermal-induced antibacterial activity by 3D printing and polymer-derived ceramics strategy. <i>Ceramics International</i> , 2020, 46, 13607-13614.	2.3	18
21	Biodegradable hollow mesoporous organosilica-based nanosystems with dual stimuli-responsive drug delivery for efficient tumor inhibition by synergistic chemo- and photothermal therapy. <i>Applied Materials Today</i> , 2020, 19, 100655.	2.3	19
22	A two-dimensional MXene potentiates a therapeutic microneedle patch for photonic implantable medicine in the second NIR biowindow. <i>Nanoscale</i> , 2020, 12, 10265-10276.	2.8	47
23	Osteopontin sequence modified mesoporous calcium silicate scaffolds to promote angiogenesis in bone tissue regeneration. <i>Journal of Materials Chemistry B</i> , 2020, 8, 5849-5861.	2.9	18
24	Metal-organic framework-coated magnetite nanoparticles for synergistic magnetic hyperthermia and chemotherapy with pH-triggered drug release. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 1043-1054.	2.8	60
25	Three-dimensional printing of CaTiO ₃ incorporated porous ¹² -Ca ₂ SiO ₄ composite scaffolds for bone regeneration. <i>Applied Materials Today</i> , 2019, 16, 132-140.	2.3	20
26	Bacterial cellulose nanofibers promote stress and fidelity of 3D-printed silk based hydrogel scaffold with hierarchical pores. <i>Carbohydrate Polymers</i> , 2019, 221, 146-156.	5.1	113
27	A Self-Assembled Flower-Like Structure of Nickel-Cobalt Phosphide Nanosheets Supported on Nickel Foam for Electrochemical Hydrogen Evolution Reaction. <i>ChemistrySelect</i> , 2019, 4, 6295-6303.	0.7	8
28	3D printing of mesoporous bioactive glass/silk fibroin composite scaffolds for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2019, 103, 109731.	3.8	116
29	3D-printed ternary SiO ₂ CaO P ₂ O ₅ bioglass-ceramic scaffolds with tunable compositions and properties for bone regeneration. <i>Ceramics International</i> , 2019, 45, 10997-11005.	2.3	21
30	Morphology- and Size-Controlled Fabrication of CdS from Flower-Like to Spherical Structures and their Application for High-Performance Photoactivity. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2086-2092.	1.0	11
31	3D printing of layered mesoporous bioactive glass/sodium alginate-sodium alginate scaffolds with controllable dual-drug release behaviors. <i>Biomedical Materials (Bristol)</i> , 2019, 14, 065011.	1.7	36
32	Organosilicon polymer-derived ceramics: An overview. <i>Journal of Advanced Ceramics</i> , 2019, 8, 457-478.	8.9	119
33	Constructing the Band Alignment of Graphitic Carbon Nitride (g-C ₃ N ₄)/Copper(I) Oxide (Cu ₂ O) Composites by Adjusting the Contact Facet for Superior Photocatalytic Activity. <i>ACS Applied Energy Materials</i> , 2019, 2, 1803-1811.	2.5	29
34	3D-printed scaffolds of biomineralized hydroxyapatite nanocomposite on silk fibroin for improving bone regeneration. <i>Applied Surface Science</i> , 2019, 467-468, 345-353.	3.1	67
35	Dissolving Graphene/Poly(Acrylic Acid) Microneedles for Potential Transdermal Drug Delivery and Photothermal Therapy. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 2453-2459.	0.9	18
36	Increased activity of nitrogen-doped graphene-like carbon sheets modified by iron doping for oxygen reduction. <i>Journal of Colloid and Interface Science</i> , 2019, 536, 42-52.	5.0	32

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37	3D printing of pearl/CaSO ₄ composite scaffolds for bone regeneration. <i>Journal of Materials Chemistry B</i> , 2018, 6, 499-509.	2.9	48
38	3D printed porous β -Ca ₂ SiO ₄ scaffolds derived from preceramic resin and their physicochemical and biological properties. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 495-506.	2.8	40
39	Composite-dissolving microneedle patches for chemotherapy and photothermal therapy in superficial tumor treatment. <i>Biomaterials Science</i> , 2018, 6, 1414-1423.	2.6	96
40	Magnetic mesoporous silica nanoparticles coated with thermo-responsive copolymer for potential chemo- and magnetic hyperthermia therapy. <i>Microporous and Mesoporous Materials</i> , 2018, 256, 1-9.	2.2	104
41	Novel Route to Fe-Based Cathode as an Efficient Bifunctional Catalysts for Rechargeable Zn-Air Battery. <i>Advanced Energy Materials</i> , 2018, 8, 1800955.	10.2	146
42	3D printing of ceramic-based scaffolds for bone tissue engineering: an overview. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4397-4412.	2.9	187
43	3D printed mesoporous bioactive glass/metal-organic framework scaffolds with antitubercular drug delivery. <i>Microporous and Mesoporous Materials</i> , 2018, 272, 24-30.	2.2	70
44	Enhance the Bioactivity and Osseointegration of the Polyethylene Terephthalate-Based Artificial Ligament via Poly(Dopamine) Coating with Mesoporous Bioactive Glass. <i>Advanced Engineering Materials</i> , 2017, 19, 1600708.	1.6	17
45	Three dimensional printing of calcium sulfate and mesoporous bioactive glass scaffolds for improving bone regeneration in vitro and in vivo. <i>Scientific Reports</i> , 2017, 7, 42556.	1.6	88
46	Molecularly organic/inorganic hybrid hollow mesoporous organosilica nanocapsules with tumor-specific biodegradability and enhanced chemotherapeutic functionality. <i>Biomaterials</i> , 2017, 125, 23-37.	5.7	178
47	Superior Adsorption and Regenerable Dye Adsorbent Based on Flower-Like Molybdenum Disulfide Nanostructure. <i>Scientific Reports</i> , 2017, 7, 43599.	1.6	118
48	Achieving excellent activity and stability for oxygen reduction electrocatalysis by hollow mesoporous iron-nitrogen-doped graphitic carbon spheres. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12243-12251.	5.2	48
49	Metal-Organic Framework/Graphene Quantum Dot Nanoparticles Used for Synergistic Chemo- and Photothermal Therapy. <i>ACS Omega</i> , 2017, 2, 1249-1258.	1.6	140
50	The effect of calcium sulfate incorporation on physicochemical and biological properties of 3D-printed mesoporous calcium silicate cement scaffolds. <i>Microporous and Mesoporous Materials</i> , 2017, 241, 11-20.	2.2	54
51	Mesoporous Silica Nanoparticles Capped with Graphene Quantum Dots for Potential Chemo-Photothermal Synergistic Cancer Therapy. <i>Langmuir</i> , 2017, 33, 591-599.	1.6	108
52	Metalloporphyrin-Encapsulated Biodegradable Nanosystems for Highly Efficient Magnetic Resonance Imaging-Guided Sonodynamic Cancer Therapy. <i>Journal of the American Chemical Society</i> , 2017, 139, 1275-1284.	6.6	535
53	Effects of mesoporous bioglass on physicochemical and biological properties of calcium sulfate bone cements. <i>Applied Materials Today</i> , 2017, 9, 612-621.	2.3	25
54	Ultrafine WC nanoparticles anchored on co-encased, N-doped carbon nanotubes for efficient hydrogen evolution. <i>Energy Storage Materials</i> , 2017, 6, 104-111.	9.5	48

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55	Aldehyde-functionalized dendritic mesoporous silica nanoparticles as potential nanocarriers for pH-responsive protein drug delivery. <i>Materials Science and Engineering C</i> , 2017, 71, 452-459.	3.8	60
56	Graphene Quantum Dots@Capped Magnetic Mesoporous Silica Nanoparticles as a Multifunctional Platform for Controlled Drug Delivery, Magnetic Hyperthermia, and Photothermal Therapy. <i>Small</i> , 2017, 13, 1602225.	5.2	379
57	Fe ₃ O ₄ /Polycaprolactone Microneedles with Controlled Drug Delivery and Magnetic Hyperthermia. <i>Nano Advances</i> , 2017, 2, 29-35.	0.4	6
58	In situ formation of nitrogen-doped carbon nanoparticles on hollow carbon spheres as efficient oxygen reduction electrocatalysts. <i>Nanoscale</i> , 2016, 8, 18134-18142.	2.8	52
59	Three-dimensional printing of tricalcium silicate/mesoporous bioactive glass cement scaffolds for bone regeneration. <i>Journal of Materials Chemistry B</i> , 2016, 4, 7452-7463.	2.9	55
60	Preparation of magnetic mesoporous silica nanoparticles as a multifunctional platform for potential drug delivery and hyperthermia. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 229-238.	2.8	61
61	Three-dimensional printing of cerium-incorporated mesoporous calcium-silicate scaffolds for bone repair. <i>Journal of Materials Science</i> , 2016, 51, 836-844.	1.7	46
62	A smart magnetic nanosystem with controllable drug release and hyperthermia for potential cancer therapy. <i>RSC Advances</i> , 2015, 5, 99875-99883.	1.7	31
63	DNA-capped Fe ₃ O ₄ /SiO ₂ magnetic mesoporous silica nanoparticles for potential controlled drug release and hyperthermia. <i>RSC Advances</i> , 2015, 5, 22365-22372.	1.7	74
64	3D-printed hierarchical scaffold for localized isoniazid/rifampin drug delivery and osteoarticular tuberculosis therapy. <i>Acta Biomaterialia</i> , 2015, 16, 145-155.	4.1	114
65	Effect of amino groups of mesoporous silica nanoparticles on CpG oligodeoxynucleotide delivery. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 045006.	2.8	23
66	Three-dimensional printed strontium-containing mesoporous bioactive glass scaffolds for repairing rat critical-sized calvarial defects. <i>Acta Biomaterialia</i> , 2015, 12, 270-280.	4.1	138
67	Effects of functional groups on the structure, physicochemical and biological properties of mesoporous bioactive glass scaffolds. <i>Journal of Materials Chemistry B</i> , 2015, 3, 1612-1623.	2.9	47
68	Binding of CpG oligodeoxynucleotides to mesoporous silica nanoparticles for enhancing delivery efficiency. <i>Microporous and Mesoporous Materials</i> , 2015, 204, 91-98.	2.2	27
69	Three-dimensional printing of strontium-containing mesoporous bioactive glass scaffolds for bone regeneration. <i>Acta Biomaterialia</i> , 2014, 10, 2269-2281.	4.1	278
70	Magnetic mesoporous silica nanoparticles for potential delivery of chemotherapeutic drugs and hyperthermia. <i>Dalton Transactions</i> , 2014, 43, 15482-15490.	1.6	102
71	Magnetic mesoporous silica nanoparticles for CpG delivery to enhance cytokine induction via toll-like receptor 9. <i>RSC Advances</i> , 2014, 4, 45823-45830.	1.7	14
72	Three dimensionally printed mesoporous bioactive glass and poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) composite scaffolds for bone regeneration. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6106.	2.9	91

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73	3D-printed magnetic Fe ₃ O ₄ /MBG/PCL composite scaffolds with multifunctionality of bone regeneration, local anticancer drug delivery and hyperthermia. <i>Journal of Materials Chemistry B</i> , 2014, 2, 7583-7595.	2.9	245
74	Mesoporous Silica Nanoparticles/Hydroxyapatite Composite Coated Implants to Locally Inhibit Osteoclastic Activity. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5456-5466.	4.0	33
75	Magnetic mesoporous bioactive glass scaffolds: preparation, physicochemistry and biological properties. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1279.	2.9	53
76	Preparation of chitosan/mesoporous silica nanoparticle composite hydrogels for sustained co-delivery of biomacromolecules and small chemical drugs. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 045005.	2.8	65
77	Substitutions of strontium in mesoporous calcium silicate and their physicochemical and biological properties. <i>Acta Biomaterialia</i> , 2013, 9, 6723-6731.	4.1	66
78	Simple Cocasting Method to Prepare Magnetic Mesoporous FePt/C Composites and Their Protein Adsorption Property. <i>Journal of Chemistry</i> , 2013, 2013, 1-7.	0.9	2
79	Preparation and characterization of multifunctional magnetic mesoporous calcium silicate materials. <i>Science and Technology of Advanced Materials</i> , 2013, 14, 055009.	2.8	19
80	Fabrication of novel collagen-silica hybrid membranes with tailored biodegradation and strong cell contact guidance ability. <i>Journal of Materials Chemistry</i> , 2012, 22, 21885.	6.7	27
81	Composition-structure-property relationships of the CaO-MxOy-SiO ₂ -P ₂ O ₅ (M = Zr, Mg, Sr) mesoporous bioactive glass (MBG) scaffolds. <i>Journal of Materials Chemistry</i> , 2011, 21, 9208.	6.7	59
82	Hollow Mesoporous Silica/Poly(L-lysine) Particles for Codelivery of Drug and Gene with Enzyme-Triggered Release Property. <i>Journal of Physical Chemistry C</i> , 2011, 115, 13630-13636.	1.5	119
83	Cytosine-phosphodiester-guanine oligodeoxynucleotide (CpG ODN)-capped hollow mesoporous silica particles for enzyme-triggered drug delivery. <i>Dalton Transactions</i> , 2011, 40, 10203.	1.6	33
84	Comparison of the in vitro bioactivity and drug release property of mesoporous bioactive glasses (MBGs) and bioactive glasses (BGs) scaffolds. <i>Microporous and Mesoporous Materials</i> , 2009, 118, 176-182.	2.2	148
85	Preparation, characterization and in vitro bioactivity of mesoporous bioactive glasses (MBGs) scaffolds for bone tissue engineering. <i>Microporous and Mesoporous Materials</i> , 2008, 112, 494-503.	2.2	166