

Qin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

99
papers

2,987
citations

147801

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182427

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g-index

101
all docs

101
docs citations

101
times ranked

2224
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular perspective of efficiency and safety problems of chemical enhancers: bottlenecks and recent advances. <i>Drug Delivery and Translational Research</i> , 2022, 12, 1376-1394.	5.8	11
2	Current status of hypochlorite technology on the wastewater treatment and sludge disposal: Performance, principals and prospects. <i>Science of the Total Environment</i> , 2022, 803, 150085.	8.0	35
3	Effects of persulfate treatment on the fates of antibiotic resistance genes in waste activated sludge fermentation process and the underlying mechanism. <i>Bioresource Technology</i> , 2022, 345, 126474.	9.6	19
4	Synthesis and biological evaluation of ruthenium polypyridine complexes with 18 β -glycyrrhetic acid as antibacterial agents against <i>Staphylococcus aureus</i> . <i>Dalton Transactions</i> , 2022, 51, 1099-1111.	3.3	12
5	Acid-driven aggregation of selenol-functionalized zwitterionic gold nanoparticles improves the photothermal treatment efficacy of tumors. <i>Materials Chemistry Frontiers</i> , 2022, 6, 775-782.	5.9	2
6	Anti-tumor alkaloids from <i>Peganum harmala</i> . <i>Phytochemistry</i> , 2022, 197, 113107.	2.9	8
7	Tumor redox microenvironment modulating composite hydrogels for enhanced sonodynamic therapy of colorectal cancer. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1960-1968.	5.8	13
8	Benchmarking the Robustness of Object Detection Based on Near-Real Military Scenes. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-12.	1.2	1
9	Flexible Light Field Angular Superresolution via a Deep Coarse-to-Fine Framework. <i>Wireless Communications and Mobile Computing</i> , 2022, 2022, 1-10.	1.2	0
10	Bacterial extracellular vesicles as bioactive nanocarriers for drug delivery: Advances and perspectives. <i>Bioactive Materials</i> , 2022, 14, 169-181.	15.6	65
11	Persulfate-based strategy for promoted acesulfame removal during sludge anaerobic fermentation: Combined chemical and biological effects. <i>Journal of Hazardous Materials</i> , 2022, 434, 128922.	12.4	16
12	Enhancing Hole Transport of Quantum Dot Light-Emitting Diodes by a Cruciform Oligothiophene for Effective p-Type Doping. <i>Macromolecular Rapid Communications</i> , 2022, , 2200187.	3.9	0
13	Unveiling the behaviors and mechanisms of percarbonate on the sludge anaerobic fermentation for volatile fatty acids production. <i>Science of the Total Environment</i> , 2022, 838, 156054.	8.0	5
14	Super-strong CNT composite yarn with tight CNT packing <i>via</i> a compress-stretch process. <i>Nanoscale</i> , 2022, 14, 9078-9085.	5.6	9
15	Tumor extracellular matrix modulating strategies for enhanced antitumor therapy of nanomedicines. <i>Materials Today Bio</i> , 2022, 16, 100364.	5.5	12
16	Iron coupling with carbon fiber to stimulate biofilms formation in aerobic biological film systems for improved decentralized wastewater treatment: Performance, mechanisms and implications. <i>Bioresource Technology</i> , 2021, 319, 124151.	9.6	27
17	Distinct effects of hypochlorite types on the reduction of antibiotic resistance genes during waste activated sludge fermentation: Insights of bacterial community, cellular activity, and genetic expression. <i>Journal of Hazardous Materials</i> , 2021, 403, 124010.	12.4	74
18	A preliminary metatranscriptomic insight of eggshells conditioning on substrates metabolism during food wastes anaerobic fermentation. <i>Science of the Total Environment</i> , 2021, 761, 143214.	8.0	31

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19	Oxygen-producing proenzyme hydrogels for photodynamic-mediated metastasis-inhibiting combinational therapy. <i>Journal of Materials Chemistry B</i> , 2021, 9, 5255-5263.	5.8	11
20	Immunotherapy of Tumor RNA-Loaded Lipid Nanoparticles Against Hepatocellular Carcinoma. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 1553-1564.	6.7	29
21	Capacitance Loss Mechanism and Prediction Based on Electrochemical Corrosion in Metallized Film Capacitors. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2021, 28, 654-662.	2.9	20
22	Near-infrared photoactivated nanomedicines for photothermal synergistic cancer therapy. <i>Nano Today</i> , 2021, 37, 101073.	11.9	182
23	Lipopolysaccharide-induced TNF α factor (LITAF) promotes inflammatory responses and activates apoptosis in zebrafish <i>Danio rerio</i> . <i>Gene</i> , 2021, 780, 145487.	2.2	12
24	Hyalase-Mediated Cascade Degradation of a Matrix Barrier and Immune Cell Penetration by a Photothermal Microneedle for Efficient Anticancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26790-26799.	8.0	40
25	Influence of Laser Energy Density and Printing Angle on the Electrical Properties of PA12 Made by SLS. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2021, 28, 906-914.	2.9	2
26	Identification of Glutathione S-Transferase Genes in Hami Melon (<i>Cucumis melo</i> var. <i>saccharinus</i>) and Their Expression Analysis Under Cold Stress. <i>Frontiers in Plant Science</i> , 2021, 12, 672017.	3.6	16
27	Surface Reconstruction-Induced Efficient CsPbI ₂ Br Perovskite Solar Cell using Phenylethylammonium Iodide. <i>ACS Applied Energy Materials</i> , 2021, 4, 5583-5589.	5.1	17
28	Identification and expression analysis of group II C-type lectin domain containing receptors in grass carp <i>Ctenopharyngodon idella</i> . <i>Gene</i> , 2021, 789, 145668.	2.2	2
29	Monitoring the Activation of Caspases-1/3/4 for Describing the Pyroptosis Pathways of Cancer Cells. <i>Analytical Chemistry</i> , 2021, 93, 12022-12031.	6.5	9
30	A Carbodiimide Cross-Linked Silk Fibroin/Sodium Alginate Composite Hydrogel with Tunable Properties for Sustained Drug Delivery. <i>Macromolecular Materials and Engineering</i> , 2021, 306, 2100470.	3.6	14
31	Exosome-guided bone targeted delivery of Antagomir-188 as an anabolic therapy for bone loss. <i>Bioactive Materials</i> , 2021, 6, 2905-2913.	15.6	106
32	Wound dressing gel with resisted bacterial penetration and enhanced re-epithelization for corneal epithelial-stromal regeneration. <i>Applied Materials Today</i> , 2021, 24, 101119.	4.3	13
33	Metatranscriptomic insights of the metabolic process enhancement during food wastes fermentation driven by linear alkylbenzene sulphonates. <i>Journal of Cleaner Production</i> , 2021, 315, 128145.	9.3	60
34	Distribution patterns of microbial community and functional characteristics in full-scale wastewater treatment plants: Focusing on the influent types. <i>Chemosphere</i> , 2021, 281, 130899.	8.2	17
35	Biological functions of m6A methyltransferases. <i>Cell and Bioscience</i> , 2021, 11, 15.	4.8	33
36	Therapeutic approach for global myocardial injury using bone marrow-derived mesenchymal stem cells by cardiac support device in rats. <i>Biomedical Microdevices</i> , 2021, 23, 5.	2.8	3

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37	¹³¹ I-Labeled gold nanoframeworks for radiotherapy-combined second near-infrared photothermal therapy of cancer. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9316-9323.	5.8	7
38	Bone Regeneration Using MMP-Cleavable Peptides-Based Hydrogels. <i>Gels</i> , 2021, 7, 199.	4.5	21
39	Liposome-based nanocomplexes with pH-sensitive second near-infrared photothermal property for combinational immunotherapy. <i>Applied Materials Today</i> , 2021, 25, 101258.	4.3	8
40	Electrochemical/Fe ³⁺ /peroxymonosulfate system for the degradation of Acid Orange 7 adsorbed on activated carbon fiber cathode. <i>Chemosphere</i> , 2020, 241, 125125.	8.2	45
41	Dehydrative Glycosylation Enabled by a Comproportionation Reaction of 2- <i>Ar</i> -1,3-dithiane 1-Oxide. <i>Chinese Journal of Chemistry</i> , 2020, 38, 43-49.	4.9	12
42	Promotion of short-chain fatty acids production and fermented sludge properties via persulfate treatments with different activators: Performance and mechanisms. <i>Bioresource Technology</i> , 2020, 295, 122278.	9.6	86
43	Potential influences of exogenous pollutants occurred in waste activated sludge on anaerobic digestion: A review. <i>Journal of Hazardous Materials</i> , 2020, 383, 121176.	12.4	182
44	Influences of different iron forms activated peroxydisulfate on volatile fatty acids production during waste activated sludge anaerobic fermentation. <i>Science of the Total Environment</i> , 2020, 705, 135878.	8.0	35
45	Correlations of nitrogen removal and core functional genera in full-scale wastewater treatment plants: Influences of different treatment processes and influent characteristics. <i>Bioresource Technology</i> , 2020, 297, 122455.	9.6	85
46	A Novel Audio Extraction and Restoration System for Optical Soundtrack. , 2020, , .		0
47	An Oxygen-Enriched Photodynamic Nanospray for Postsurgical Tumor Regression. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 6415-6423.	5.2	2
48	The mechanism of m6A methyltransferase METTL3-mediated autophagy in reversing gefitinib resistance in NSCLC cells by Î ² -elemene. <i>Cell Death and Disease</i> , 2020, 11, 969.	6.3	105
49	Improved Relativistic Cycle-Consistent GAN With Dilated Residual Network and Multi-Attention for Speech Enhancement. <i>IEEE Access</i> , 2020, 8, 183272-183285.	4.2	9
50	Pegaharmols A-B, Axially Chiral Î ² -Carboline-quinazoline Dimers from the Roots of <i>Peganum harmala</i> . <i>Organic Letters</i> , 2020, 22, 7522-7525.	4.6	24
51	A cation exchange strategy to construct a targeting nanoprobe for enhanced T ₁ -weighted MR imaging of tumors. <i>Journal of Materials Chemistry B</i> , 2020, 8, 8519-8526.	5.8	3
52	Continuous waste activated sludge and food waste co-fermentation for synchronously recovering vivianite and volatile fatty acids at different sludge retention times: Performance and microbial response. <i>Bioresource Technology</i> , 2020, 313, 123610.	9.6	33
53	All-inorganic CsPb ₂ Br Perovskite Solar Cell with Open-Circuit Voltage over 1.3%V by Balancing Electron and Hole Transport. <i>Solar Rrl</i> , 2020, 4, 2000016.	5.8	30
54	Shifts of microbial community and metabolic function during food wastes and waste activated sludge co-fermentation in semi-continuous-flow reactors: Effects of fermentation substrate and zero-valent iron. <i>Bioresource Technology</i> , 2020, 313, 123686.	9.6	33

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55	A novel approach of synchronously recovering phosphorus as vivianite and volatile fatty acids during waste activated sludge and food waste co-fermentation: Performance and mechanisms. <i>Bioresource Technology</i> , 2020, 305, 123078.	9.6	42
56	Deep Auxiliary Learning for Point Cloud Generation. <i>IEEE Access</i> , 2020, 8, 18538-18545.	4.2	1
57	Enhanced volatile fatty acids production from waste activated sludge with synchronous phosphorus fixation and pathogens inactivation by calcium hypochlorite stimulation. <i>Science of the Total Environment</i> , 2020, 712, 136500.	8.0	47
58	Effects of different hypochlorite types on the waste activated sludge fermentation from the perspectives of volatile fatty acids production, microbial community and activity, and characteristics of fermented sludge. <i>Bioresource Technology</i> , 2020, 307, 123227.	9.6	40
59	Novel strategy to stimulate the food wastes anaerobic fermentation performance by eggshell wastes conditioning and the underlying mechanisms. <i>Chemical Engineering Journal</i> , 2020, 398, 125560.	12.7	115
60	Transcriptomic responses of S100 family to bacterial and viral infection in zebrafish. <i>Fish and Shellfish Immunology</i> , 2019, 94, 685-696.	3.6	9
61	Phosphorus recovery as vivianite from waste activated sludge via optimizing iron source and pH value during anaerobic fermentation. <i>Bioresource Technology</i> , 2019, 293, 122088.	9.6	77
62	Review on the determination and distribution patterns of a widespread contaminant artificial sweetener in the environment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 19078-19096.	5.3	30
63	Promoting the anaerobic production of short-chain fatty acids from food wastes driven by the reuse of linear alkylbenzene sulphonates-enriched laundry wastewater. <i>Bioresource Technology</i> , 2019, 282, 301-309.	9.6	34
64	Potentials and challenges of phosphorus recovery as vivianite from wastewater: A review. <i>Chemosphere</i> , 2019, 226, 246-258.	8.2	154
65	Enhancing the anaerobic bioconversion of complex organics in food wastes for volatile fatty acids production by zero-valent iron and persulfate stimulation. <i>Science of the Total Environment</i> , 2019, 669, 540-546.	8.0	52
66	Fine-Grained Footstep Image Classification. , 2019, , .		0
67	Mechanisms of oral absorption improvement for insoluble drugs by the combination of phospholipid complex and SNEDDS. <i>Drug Delivery</i> , 2019, 26, 1155-1166.	5.7	15
68	Immunomodulatory application of engineered hydrogels in regenerative medicine. <i>Applied Materials Today</i> , 2019, 14, 126-136.	4.3	34
69	Ecotoxicity and environmental fates of newly recognized contaminants-artificial sweeteners: A review. <i>Science of the Total Environment</i> , 2019, 653, 1149-1160.	8.0	41
70	How Do Biocides That Occur in Waste Activated Sludge Affect the Resource Recovery for Short-Chain Fatty Acids Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1648-1657.	6.7	40
71	Synergistic effects of iron and persulfate on the efficient production of volatile fatty acids from waste activated sludge: Understanding the roles of bioavailable substrates, microbial community & activities, and environmental factors. <i>Biochemical Engineering Journal</i> , 2019, 141, 71-79.	3.6	39
72	Designed construction of tween 60@2 ¹² -CD self-assembly vesicles as drug delivery carrier for cancer chemotherapy. <i>Drug Delivery</i> , 2018, 25, 623-631.	5.7	7

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73	Dimethyl Sulfoxide Serves as a Dual Synthon: Construction of 5-Methyl Pyrimidine Derivatives via Four Component Oxidative Annulation. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2267-2271.	4.3	59
74	Trap Characteristic and Potential Trap Model of Water Trees in XLPE. , 2018, , .		4
75	Value-Based Local Connection Scheduling Algorithm for Distributed Video Transcoding System. , 2018, , .		0
76	Improving anaerobic fermentation of waste activated sludge using iron activated persulfate treatment. <i>Bioresource Technology</i> , 2018, 268, 68-76.	9.6	98
77	Switchable Access to 3-Carboxylate-4-quinolones and 1-Vinyl-3-carboxylate-4-quinolones via Oxidative Cyclization of Isatins and Alkynes. <i>Organic Letters</i> , 2018, 20, 4231-4234.	4.6	29
78	Inhibition of 1, 4-dioxane on the denitrification process by altering the viability and metabolic activity of <i>Paracoccus denitrificans</i> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 27274-27282.	5.3	10
79	Efficient production of short-chain fatty acids from anaerobic fermentation of liquor wastewater and waste activated sludge by breaking the restrictions of low bioavailable substrates and microbial activity. <i>Bioresource Technology</i> , 2018, 268, 549-557.	9.6	46
80	Study on the Voltage Maintaining Performance of High Energy Density Capacitor. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 3401-3407.	1.3	3
81	A highly zinc-selective ratiometric fluorescent probe based on AIE luminogen functionalized coordination polymer nanoparticles. <i>RSC Advances</i> , 2017, 7, 21446-21451.	3.6	29
82	Adsorption Kinetics and Adsorption Isotherms of Bovin Serum Albumin (BSA) onto Magnetic ZnFe ₂ O ₄ Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2899-2905.	0.9	4
83	Design of oversampled nonuniform filter banks with arbitrary rational frequency partitioning. <i>Signal, Image and Video Processing</i> , 2017, 11, 689-696.	2.7	3
84	Batch filtering of multi-baseline SAR interferograms. , 2017, , .		0
85	Large coverage surface deformation monitoring with multiple insar techniques and multiple sensor SAR datasets: a case study in Linfen-Yuncheng basin, China. , 2016, , .		0
86	Mapping overall taiyuan graben basin deformation with SBAS-InSAR technique. , 2016, , .		0
87	Landslide detection and monitoring with insar technique over upper reaches of jinsha river, china. , 2016, , .		6
88	Research on CR-based offset technique for mining deformation monitoring. , 2016, , .		0
89	Clinical Characteristics, Treatment Patterns, and Outcomes of Primary Canaliculitis among Patients in Beijing, China. <i>BioMed Research International</i> , 2015, 2015, 1-6.	1.9	14
90	Polychlorinated biphenyl quinone induces endothelial barrier dysregulation by setting the cross talk between VE-cadherin, focal adhesion, and MAPK signaling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H1205-H1214.	3.2	9

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91	Surface modification of coronary stents with SiCOH plasma nanocoatings for improving endothelialization and anticoagulation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2015, 103, 464-472.	3.4	14
92	Two-dimensional deformation monitoring over Qingxu (China) by integrating C-, L- and X-bands SAR images. <i>Remote Sensing Letters</i> , 2014, 5, 27-36.	1.4	14
93	Recent ground deformation of Taiyuan basin (China) investigated with C-, L-, and X-bands SAR images. <i>Journal of Geodynamics</i> , 2013, 70, 28-35.	1.6	23
94	Time-series deformation monitoring over mining regions with SAR intensity-based offset measurements. <i>Remote Sensing Letters</i> , 2013, 4, 436-445.	1.4	68
95	An iterative Goldstein SAR interferogram filter. <i>International Journal of Remote Sensing</i> , 2012, 33, 3443-3455.	2.9	20
96	Cadmium hydroxide nanowires – new high capacity Ni–Cd battery anode materials without memory effect. <i>Journal of Materials Chemistry</i> , 2012, 22, 13922.	6.7	27
97	Synthesis and preliminary evaluation of curcumin analogues as cytotoxic agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 1010-1014.	2.2	38
98	Electrical properties of poly(phenylene sulfide)/multiwalled carbon nanotube composites prepared by simple mixing and compression. <i>Journal of Applied Polymer Science</i> , 2008, 109, 720-726.	2.6	43
99	Albumin-Stabilized Manganese Oxide/Semiconducting Polymer Nanocomposites for Photothermal-Chemodynamic Therapy of Hepatic Carcinoma. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	4.1	3