

Zhen Li

List of Publications by Year in descending order

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93
papers

2,185
citations

279778

23
h-index

265191

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95
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95
docs citations

95
times ranked

3074
citing authors

#	ARTICLE	IF	CITATIONS
1	Allele-defined genome of the autopolyploid sugarcane <i>Saccharum spontaneum</i> L.. <i>Nature Genetics</i> , 2018, 50, 1565-1573.	21.4	463
2	Accuracy of Magnetically Controlled Capsule Endoscopy, Compared With Conventional Gastroscopy, in Detection of Gastric Diseases. <i>Clinical Gastroenterology and Hepatology</i> , 2016, 14, 1266-1273.e1.	4.4	170
3	Influence of thermostating on nonequilibrium molecular dynamics simulations of heat conduction in solids. <i>Journal of Chemical Physics</i> , 2019, 151, 234105.	3.0	126
4	Spatial and temporal distributions of air pollutant emissions from open crop straw and biomass burnings in China from 2002 to 2016. <i>Environmental Chemistry Letters</i> , 2018, 16, 301-309.	16.2	74
5	Unexpected rise of ozone in urban and rural areas, and sulfur dioxide in rural areas during the coronavirus city lockdown in Hangzhou, China: implications for air quality. <i>Environmental Chemistry Letters</i> , 2020, 18, 1713-1723.	16.2	68
6	Density functional theory (DFT) and natural bond orbital (NBO) study of vibrational spectra and intramolecular hydrogen bond interaction of l-ornithineâ€“l-aspartate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 338-346.	3.9	57
7	Experimental and numerical study on heavy metal contaminant migration and retention behavior of engineered barrier in tailings pond. <i>Environmental Pollution</i> , 2019, 252, 1010-1018.	7.5	57
8	Metabolites analysis, metabolic enzyme activities and bioaccumulation in the clam <i>Ruditapes philippinarum</i> exposed to benzo[a]pyrene. <i>Ecotoxicology and Environmental Safety</i> , 2014, 107, 251-259.	6.0	52
9	Inorganic-organic CdSe-diethylenetriamine nanobelts for enhanced visible photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 166-173.	9.4	44
10	Sources of volatile organic compounds in suburban homes in Shanghai, China, and the impact of air filtration on compound concentrations. <i>Chemosphere</i> , 2019, 231, 256-268.	8.2	41
11	Effects of Surfactants and Lipids on the Preparation of Solid Lipid Nanoparticles Using Double Emulsion Method. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 254-259.	2.4	39
12	Response of detoxification gene mRNA expression and selection of molecular biomarkers in the clam <i>Ruditapes philippinarum</i> exposed to benzo[a]pyrene. <i>Environmental Pollution</i> , 2014, 189, 1-8.	7.5	39
13	The impact of household air cleaners on the oxidative potential of PM2.5 and the role of metals and sources associated with indoor and outdoor exposure. <i>Environmental Research</i> , 2020, 181, 108919.	7.5	39
14	Cured meat intake is associated with worsening asthma symptoms. <i>Thorax</i> , 2017, 72, 206-212.	5.6	38
15	Polydopamine functional reduced graphene oxide for enhanced mechanical and electrical properties of waterborne polyurethane nanocomposites. <i>Journal of Coatings Technology Research</i> , 2018, 15, 1333-1341.	2.5	36
16	Predicted impact of thermal power generation emission control measures in the Beijing-Tianjin-Hebei region on air pollution over Beijing, China. <i>Scientific Reports</i> , 2018, 8, 934.	3.3	35
17	The impact of household air cleaners on the chemical composition and children's exposure to PM2.5 metal sources in suburban Shanghai. <i>Environmental Pollution</i> , 2019, 253, 190-198.	7.5	34
18	Longitudinal study of diet quality and change in asthma symptoms in adults, according to smoking status. <i>British Journal of Nutrition</i> , 2017, 117, 562-571.	2.3	32

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19	Large scale control of surface ozone by relative humidity observed during warm seasons in China. <i>Environmental Chemistry Letters</i> , 2021, 19, 3981-3989.	16.2	29
20	Studies on crystallinity state of puerarin loaded solid lipid nanoparticles prepared by double emulsion method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 99, 689-693.	3.6	28
21	Closed-loop drip irrigation control using a hybrid wireless sensor and actuator network. <i>Science China Information Sciences</i> , 2011, 54, 577-588.	4.3	24
22	Malondialdehyde in Nasal Fluid: A Biomarker for Monitoring Asthma Control in Relation to Air Pollution Exposure. <i>Environmental Science & Technology</i> , 2020, 54, 11405-11413.	10.0	24
23	Exendin-4 Protects Mitochondria from Reactive Oxygen Species Induced Apoptosis in Pancreatic Beta Cells. <i>PLoS ONE</i> , 2013, 8, e76172.	2.5	23
24	Imaging characteristics of initial chest computed tomography and clinical manifestations of patients with COVID-19 pneumonia. <i>Japanese Journal of Radiology</i> , 2020, 38, 533-538.	2.4	23
25	City-level air quality improvement in the Beijing-Tianjin-Hebei region from 2016/17 to 2017/18 heating seasons: Attributions and process analysis. <i>Environmental Pollution</i> , 2021, 274, 116523.	7.5	23
26	A Bionic Fish Cilia Median-Low Frequency Three-Dimensional Piezoresistive MEMS Vector Hydrophone. <i>Nano-Micro Letters</i> , 2014, 6, 136-142.	27.0	22
27	A Green and Highly Efficient Naphthalimide Visible Photoinitiator with an Ability Initiating Free Radical Polymerization under Air. <i>Macromolecular Chemistry and Physics</i> , 2018, 219, 1800256.	2.2	22
28	Local production, downward and regional transport aggravated surface ozone pollution during the historical orange-alert large-scale ozone episode in eastern China. <i>Environmental Chemistry Letters</i> , 2022, 20, 1577-1588.	16.2	19
29	High-altitude and long-range transport of aerosols causing regional severe haze during extreme dust storms explains why afforestation does not prevent storms. <i>Environmental Chemistry Letters</i> , 2019, 17, 1333-1340.	16.2	18
30	Common source areas of air pollution vary with haze intensity in the Yangtze River Delta, China. <i>Environmental Chemistry Letters</i> , 2020, 18, 957-965.	16.2	18
31	Effectively enhancing the enantioseparation ability of β -cyclodextrin derivatives by <i>de novo</i> design and molecular modeling. <i>Analyst</i> , 2017, 142, 3699-3706.	3.5	16
32	Does the oxidative stress play a role in the associations between outdoor air pollution and persistent asthma in adults? Findings from the EGEA study. <i>Environmental Health</i> , 2019, 18, 90.	4.0	16
33	Silicone-Thioxanthone: A Multifunctionalized Visible Light Photoinitiator with an Ability to Modify the Cured Polymers. <i>Polymers</i> , 2019, 11, 695.	4.5	16
34	Characterization Studies on the Ionic Liquid-Templated Mesoporous Silica with Wormlike Pores. <i>Journal of Dispersion Science and Technology</i> , 2008, 29, 1029-1034.	2.4	15
35	Defect-mediated electron-hole separation in an inorganic-organic CdS _x Se _{1-x} DETA solid solution under amine molecule-assisted fabrication and microwave-assisted method for promoting photocatalytic H ₂ evolution. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3550-3560.	4.9	15
36	The Role of Nutritional Factors in Asthma: Challenges and Opportunities for Epidemiological Research. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3013.	2.6	15

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37	Silencing of <i>ISLR</i> inhibits tumour progression and glycolysis by inactivating the IL-6/JAK/STAT3 pathway in non-small cell lung cancer. <i>International Journal of Molecular Medicine</i> , 2021, 48, .	4.0	14
38	In-situ fabrication of NiSe ₂ /MoSe ₂ hollow rod array for enhanced catalysts for efficient hydrogen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 611-619.	9.4	14
39	Activating Surface Lattice Oxygen of a Cu/Zn _{1-x} Cu _x O Catalyst through Interface Interactions for CO Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 9882-9890.	8.0	13
40	Stability Analysis of Vaneless Space in High-Head Pump-Turbine under Turbine Mode: Computational Fluid Dynamics Simulation and Particle Imaging Velocimetry Measurement. <i>Machines</i> , 2022, 10, 143.	2.2	13
41	Construction of CoP/Co ₂ P Coexisting Bifunctional Self-Supporting Electrocatalysts for High-Efficiency Oxygen Evolution and Hydrogen Evolution. <i>ACS Omega</i> , 2022, 7, 12846-12855.	3.5	13
42	Hybrid effect of gas flow and light excitation in carbon/silicon Schottky solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 3330.	6.7	12
43	Molecular cloning and characterization of a MXR-related P-glycoprotein cDNA in scallop <i>Chlamys farreri</i> : transcriptional response to benzo(a)pyrene, tetrabromobisphenol A and endosulfan. <i>Ecotoxicology and Environmental Safety</i> , 2014, 110, 136-142.	6.0	12
44	Role of Leptin in the Association Between Body Adiposity and Persistent Asthma: A Longitudinal Study. <i>Obesity</i> , 2019, 27, 894-898.	3.0	12
45	Synthesis and Characterization of Mesoporous Silica Templated by Amphiphilic RTILs. <i>Journal of Dispersion Science and Technology</i> , 2008, 29, 1066-1071.	2.4	11
46	Effects of Chloramphenicol on the Characterization of Solid Lipid Nanoparticles and Nanostructured Lipid Carriers. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 1008-1014.	2.4	11
47	Identification of differentially expressed genes in the digestive gland of manila clam <i>Ruditapes philippinarum</i> exposed to BDE-47. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 161, 15-20.	2.6	11
48	Adaptation and validation of Mandarin Chinese version of the pediatric Voice Handicap Index (pVHI). <i>International Journal of Pediatric Otorhinolaryngology</i> , 2018, 104, 19-24.	1.0	11
49	Experimental and Numerical Simulation Study on the Flow Characteristics of the Draft Tube in Francis Turbine. <i>Machines</i> , 2022, 10, 230.	2.2	11
50	Rheological Properties of Wormlike Micelles Formed by Cetyltrimethylammonium Bromide and Sodium Laurate. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 92-99.	2.4	10
51	Preparation and Characterization of Tris(trimethylsiloxy)silyl Modified Polyurethane Acrylates and Their Application in Textile Treatment. <i>Polymers</i> , 2020, 12, 1629.	4.5	10
52	Converting the Charge Transfer in ZnO/Zn _x Cd _{1-x} S Nanocomposite from Type-II to Type-I Scheme for Efficient Photocatalytic Hydrogen Production. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	10
53	Nano Filling Effect of Nonmeat Protein Emulsion on the Rheological Property of Myofibrillar Protein Gel. <i>Foods</i> , 2022, 11, 629.	4.3	10
54	The Mediating Role of Overweight and Obesity in the Prospective Association between Overall Dietary Quality and Healthy Aging. <i>Nutrients</i> , 2018, 10, 515.	4.1	9

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55	Particle Image Velocimetry Test for the Inter-Blade Vortex in a Francis Turbine. <i>Processes</i> , 2021, 9, 1968.	2.8	9
56	The Modeling Study about Impacts of Emission Control Policies for Chinese 14th Five-Year Plan on PM _{2.5} and O ₃ in Yangtze River Delta, China. <i>Atmosphere</i> , 2022, 13, 26.	2.3	9
57	Study on nonlinear conductivity of copper-titanate-calcium/liquid silicone rubber composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019, 26, 681-688.	2.9	8
58	Studies on the Effects of Additional Components on Micellization of CTAB via Surface Tension Measurements. <i>Journal of Dispersion Science and Technology</i> , 2008, 29, 1209-1213.	2.4	7
59	Interferon Regulatory Factor-1 Exerts Inhibitory Effect on Neointimal Formation after Vascular Injury. <i>Chinese Medical Sciences Journal</i> , 2009, 24, 91-96.	0.4	7
60	Improved performance of vanadium redox battery using methylsulfonic acid solution as supporting electrolyte. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, .	2.0	7
61	Study on the formation and rheological properties of sucrose stearate lamellar liquid crystals. <i>Journal of Dispersion Science and Technology</i> , 2017, 38, 152-158.	2.4	7
62	Suppression of convective precipitation by elevated man-made aerosols is responsible for large-scale droughts in north China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8327-E8328.	7.1	7
63	Effect of CuSO ₄ on the Hydromechanical Behavior of Compacted Tailings. <i>Mine Water and the Environment</i> , 2020, 39, 103-111.	2.0	7
64	Synergistic effect of cocatalytic NiSe ₂ on stable 1T-MoS ₂ for hydrogen evolution. <i>RSC Advances</i> , 2021, 11, 6842-6849.	3.6	7
65	Rapid assessments of light-duty gasoline vehicle emissions using on-road remote sensing and machine learning. <i>Science of the Total Environment</i> , 2022, 815, 152771.	8.0	7
66	Phase Behavior and Rheological Properties of Concentrated Lecithin Aqueous Solutions with Additives. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 1540-1547.	2.4	6
67	Design and Stereochemical Research (DFT, ECD and Crystal Structure) of Novel Bedaquiline Analogs as Potent Antituberculosis Agents. <i>Molecules</i> , 2016, 21, 875.	3.8	6
68	Regio- and Steric Effects on Single Molecule Conductance of Phenanthrenes. <i>Nano Letters</i> , 2021, 21, 10333-10340.	9.1	6
69	Operational Data-Driven Intelligent Modelling and Visualization System for Real-World, On-Road Vehicle Emissions—A Case Study in Hangzhou City, China. <i>Sustainability</i> , 2022, 14, 5434.	3.2	6
70	Validation of the Mandarin Chinese Version of the Pediatric Voice-Related Quality of Life (pVRQOL). <i>Journal of Voice</i> , 2019, 33, 325-332.	1.5	5
71	Effects of demographic, audiologic, and hearing-aid-related variables on the outcomes of using hearing aids. <i>European Archives of Oto-Rhino-Laryngology</i> , 2022, 279, 3857-3865.	1.6	5
72	Study on nonlinear conductivity of copper-titanate-calcium/liquid silicone rubber composites. <i>IEEE Transactions on Dielectrics and Electrical Insulation</i> , 2019, 26, 681-688.	2.9	4

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73	A Realizable Green Strategy to Negative Polyurethane Photoresists through the Application of a Silicone Resin Photoinitiator. <i>ACS Applied Polymer Materials</i> , 2021, 3, 929-936.	4.4	4
74	Sound absorption performance of a conch-imitating cavity structure. <i>Science Progress</i> , 2022, 105, 003685042210751.	1.9	4
75	Computed tomography manifestations in super early stage 2019 novel coronavirus pneumonia. <i>Acta Radiologica</i> , 2021, 62, 360-367.	1.1	3
76	Non-stop industries were the main source of air pollution during the 2020 coronavirus lockdown in the North China Plain. <i>Environmental Chemistry Letters</i> , 2021, , 1-11.	16.2	3
77	Study on the mechanism of tunable ferromagnetic composites with different rare earth ions. <i>RSC Advances</i> , 2021, 11, 37246-37253.	3.6	3
78	Novel imidazo[1,2-a]pyridine derivatives as potent ATX allosteric inhibitors: Design, synthesis and promising in vivo anti-fibrotic efficacy in mice lung model. <i>Bioorganic Chemistry</i> , 2022, 120, 105590.	4.1	3
79	Inhibitory effect of angiotensin II type 1 receptor-associated protein on vascular smooth muscle cell growth and neointimal formation. <i>Chinese Medical Sciences Journal</i> , 2007, 22, 22-6.	0.4	3
80	Effectiveness of benzbromarone versus febuxostat in gouty patients: a retrospective study. <i>Clinical Rheumatology</i> , 2022, 41, 2121-2128.	2.2	3
81	Influence of a water regulation event on the age of Yellow River water in the Bohai. <i>Journal of Ocean University of China</i> , 2017, 16, 727-737.	1.2	2
82	Diagnostic absolute configuration determination of clavulanate potassium: A comprehensive investigation of chiroptical spectroscopies and theoretical calculations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 160, 351-359.	2.8	2
83	Characterization of sediment toxicity in Shanghai Harbor using toxicity tests and digital gene expression analysis based on clams <i>Ruditapes phillipinarum</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 204, 111065.	6.0	2
84	A three-dimensional flower-like Mn ²⁺ /Ni ²⁺ /Co ²⁺ /O microstructure as a high-performance electrocatalyst for the methanol oxidation reaction. <i>New Journal of Chemistry</i> , 2022, 46, 7657-7662.	2.8	2
85	Ca ²⁺ -Chelation-Induced Fabrication of Multistimuli-Responsive Charged Nanogels from Phospholipid-Polymer Conjugates and Use for Drug/Protein Loading. <i>Langmuir</i> , 2022, 38, 6612-6622.	3.5	2
86	Increasing the Purity of Lafutidine Using a "Suicide Substrate". <i>Organic Process Research and Development</i> , 2018, 22, 1081-1085.	2.7	1
87	A class of azocarbazole-based carboxylates: High-efficiency ionic unimolecular photobase generators for thiol-epoxy click polymerization under blue light. <i>Journal of Polymer Science</i> , 2021, 59, 3020-3028.	3.8	1
88	A lower value for quantitative ultrasound at radius is an additional indicator of metabolic syndrome and cardiovascular disease risk. <i>Clinical Endocrinology</i> , 2013, 79, 348-355.	2.4	0
89	Continuous model and verification of G-type Zhang reciprocal (ZR) conquering 1/0 singularity of four kinds. , 2015, , .		0
90	Solving online for time-varying pth root via ZD from real domain to complex domain. , 2015, , .		0

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91	Radio Frequency Magnetron Sputtering of $\text{GdBa}_2\text{Cu}_3\text{O}_7$ / $\text{La}_{0.67}\text{Sr}_{0.33}\text{MnO}_3$ Quasi-bilayer Films on SrTiO_3 (STO) Single-crystal Substrates. Journal of Visualized Experiments, 2019, . . .	0.3	0
92	Therapeutic potential of functional MRI in the squamous cell cancer of head and neck. Current Medical Imaging, 2021, 17, .	0.8	0
93	Adaptation and Validation of the Mandarin Chinese Version of the Pediatric Voice Handicap Index-10 (pVHI-10). Journal of Voice, 2024, 38, 243.e31-243.e35.	1.5	0