

Zhe Zhang

List of Publications by Year in descending order

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61
papers

1,825
citations

394421

19
h-index

276875

41
g-index

63
all docs

63
docs citations

63
times ranked

2446
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploiting Noncovalently Conformational Locking as a Design Strategy for High Performance Fused-Ring Electron Acceptor Used in Polymer Solar Cells. <i>Journal of the American Chemical Society</i> , 2017, 139, 3356-3359.	13.7	499
2	Fabrication of Chitosan Nanofiltration Membranes by the Film Casting Strategy for Effective Removal of Dyes/Salts in Textile Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2512-2522.	6.7	120
3	Enhancing the Performance of Organic Solar Cells by Hierarchically Supramolecular Self-Assembly of Fused-Ring Electron Acceptors. <i>Chemistry of Materials</i> , 2018, 30, 4307-4312.	6.7	116
4	Palladium Single Atoms on TiO ₂ as a Photocatalytic Sensing Platform for Analyzing the Organophosphorus Pesticide Chlorpyrifos. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 232-236.	13.8	103
5	Intra- and intermolecular self-assembly of a 20-nm-wide supramolecular hexagonal grid. <i>Nature Chemistry</i> , 2020, 12, 468-474.	13.6	88
6	Simultaneous enhancement of the molecular planarity and the solubility of non-fullerene acceptors: effect of aliphatic side-chain substitution on the photovoltaic performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7776-7783.	10.3	87
7	Supersnowflakes: Stepwise Self-Assembly and Dynamic Exchange of Rhombus Star-Shaped Supramolecules. <i>Journal of the American Chemical Society</i> , 2017, 139, 8174-8185.	13.7	76
8	Graphene oxide modified membrane for highly efficient wastewater treatment by dynamic combination of nanofiltration and catalysis. <i>Journal of Hazardous Materials</i> , 2020, 397, 122774.	12.4	67
9	Oral Hygiene and Risk of Nasopharyngeal Carcinoma—A Population-Based Case–Control Study in China. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2016, 25, 1201-1207.	2.5	46
10	Co-biodegradation of pyrene and other PAHs by the bacterium <i>Acinetobacter johnsonii</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 465-470.	6.0	40
11	Caffeic acid phenethyl ester suppressed growth and metastasis of nasopharyngeal carcinoma cells by inactivating the NF- κ B pathway. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 1335-1345.	4.3	40
12	Giant Truncated Metallo-Tetrahedron with Unexpected Supramolecular Aggregation Induced Emission Enhancement. <i>Journal of the American Chemical Society</i> , 2020, 142, 7987-7994.	13.7	38
13	The rational design of specific SOD1 inhibitors via copper coordination and their application in ROS signaling research. <i>Chemical Science</i> , 2016, 7, 6251-6262.	7.4	37
14	Direct Self-Assembly of a 2D and 3D Star of David. <i>Angewandte Chemie</i> , 2017, 129, 5342-5346.	2.0	36
15	Nasopharyngeal Epstein-Barr Virus Load: An Efficient Supplementary Method for Population-Based Nasopharyngeal Carcinoma Screening. <i>PLoS ONE</i> , 2015, 10, e0132669.	2.5	35
16	Temperature- and Mechanical-Force-Responsive Self-Assembled Rhomboidal Metallacycle. <i>Organometallics</i> , 2019, 38, 4244-4249.	2.3	33
17	Construction of Macromolecular Pinwheels Using Predesigned Metalloligands. <i>Journal of the American Chemical Society</i> , 2020, 142, 21691-21701.	13.7	28
18	Palladium Single Atoms on TiO ₂ as a Photocatalytic Sensing Platform for Analyzing the Organophosphorus Pesticide Chlorpyrifos. <i>Angewandte Chemie</i> , 2020, 132, 238-242.	2.0	26

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19	Pyrrolidone-based polymers capable of reversible iodine capture for reuse in antibacterial applications. <i>Journal of Hazardous Materials</i> , 2020, 384, 121305.	12.4	22
20	Implementation of a long-term monitoring approach for the operational safety of highway tunnel structures in a severely seismic area of China. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1993.	4.0	20
21	Numerical simulation of plasma power deposition on hollow cathode walls using particle-in-cell and Monte Carlo collision method. <i>Physics of Plasmas</i> , 2018, 25, 103512.	1.9	19
22	Dysregulation of Ketone Body Metabolism Is Associated With Poor Prognosis for Clear Cell Renal Cell Carcinoma Patients. <i>Frontiers in Oncology</i> , 2019, 9, 1422.	2.8	16
23	Structure-Guided Designing Pre-Organization in Bivalent Aptamers. <i>Journal of the American Chemical Society</i> , 2022, 144, 4507-4514.	13.7	16
24	Alteration and prognostic values of collagen gene expression in patients with gastric cancer under different treatments. <i>Pathology Research and Practice</i> , 2020, 216, 152831.	2.3	15
25	3-Hydroxyflavone derivatives: promising scaffolds for fluorescent imaging in cells. <i>RSC Advances</i> , 2021, 11, 28851-28862.	3.6	14
26	Stepwise Self-Assembly and Dynamic Exchange of Supramolecular Nanocages Based on Terpyridine Building Blocks. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800404.	3.9	13
27	Pollen-mediated gene flow ensures connectivity among spatially discrete sub-populations of <i>Phalaenopsis pulcherrima</i> , a tropical food-deceptive orchid. <i>BMC Plant Biology</i> , 2019, 19, 597.	3.6	12
28	Beclin 1 deficiency causes hepatic cell apoptosis via endoplasmic reticulum stress in zebrafish larvae. <i>FEBS Letters</i> , 2020, 594, 1155-1165.	2.8	12
29	Tailoring the catalytic activity of nickel sites in NiFe ₂ O ₄ by cobalt substitution for highly enhanced oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2021, 5, 2668-2677.	4.9	12
30	Assembling Shape-Persistent High-Order Sierpiński Triangular Fractals. <i>IScience</i> , 2020, 23, 101064.	4.1	11
31	Residence characteristics and risk of nasopharyngeal carcinoma in southern China: A population-based case-control study. <i>Environment International</i> , 2021, 151, 106455.	10.0	11
32	Designing narcissistic self-sorting terpyridine moieties with high coordination selectivity for complex metallo-supramolecules. <i>Communications Chemistry</i> , 2021, 4, .	4.5	11
33	Supramolecular cuboctahedra with aggregation-induced emission enhancement and external binding ability. <i>Chemical Science</i> , 2022, 13, 5999-6007.	7.4	10
34	Reproductive history and risk of nasopharyngeal carcinoma: A population-based case-control study in southern China. <i>Oral Oncology</i> , 2019, 88, 102-108.	1.5	8
35	The Contribution of Genetic Diversity to Subdivide Populations Living in the Silk Road of China. <i>PLoS ONE</i> , 2014, 9, e97344.	2.5	8
36	Epigenetic inactivation of hydroxymethylglutaryl CoA synthase reduces ketogenesis and facilitates tumor cell motility in clear cell renal carcinoma. <i>Pathology Research and Practice</i> , 2021, 227, 153622.	2.3	7

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37	A parallelogram metallomacrocyclic bearing self-catenation and its derivative supramolecular isomerism. <i>Chemical Communications</i> , 2020, 56, 8444-8447.	4.1	6
38	Two highly related odorant receptors specifically detect $\hat{1}\pm$ -bile acid pheromones in sea lamprey (<i>Petromyzon marinus</i>). <i>Journal of Biological Chemistry</i> , 2020, 295, 12153-12166.	3.4	6
39	Modeling and thermodynamics of methylene blue and acid blue 80 adsorption onto potato residue based activated carbon. <i>Chemical Research in Chinese Universities</i> , 2015, 31, 627-632.	2.6	5
40	Molecular Characterization and Chemotactic Function of CXCL8 in Northeast Chinese Lamprey (<i>Lethenteron morii</i>). <i>Frontiers in Immunology</i> , 2020, 11, 1738.	4.8	5
41	Clover leaf-shaped supramolecules assembled using a predesigned metallo-organic ligand. <i>Organic Chemistry Frontiers</i> , 2021, 8, 3244-3249.	4.5	5
42	Evolution of Water Layer Adsorption on the GaN(0001) Surface and Its Influence on Electronic Properties. <i>Journal of Physical Chemistry C</i> , 2021, 125, 667-674.	3.1	5
43	A facile method for preparation of PGS@ZB and gasol alternating synergistic effect for fire resistance of EVA. <i>Fire and Materials</i> , 2019, 43, 868-879.	2.0	4
44	Structures and properties characterization of acrylonitrilebutadiene-styrene/organo-palygorskite clay composites. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 1068-1071.	1.0	3
45	Ultraviolet light triggers the conversion of Cu ²⁺ -bound Al ²⁴² aggregates into cytotoxic species in a copper chelation-independent manner. <i>Scientific Reports</i> , 2015, 5, 13897.	3.3	3
46	From Dimeric to Octameric Metallo-Supramolecular Macrocycles Based on Sterically Congested Ligand-assisted Self-Assembly with Zn(II), Cd(II), and Fe(II). <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000095.	3.9	3
47	Genetic Divergence between Two Sympatric Ecotypes of <i>Phalaenopsis pulcherrima</i> on Hainan Island. <i>Diversity</i> , 2021, 13, 446.	1.7	3
48	Fuzzy decoupling predictive functional control for nonlinear hydro-turbine governing systems with mechanical time delay of the hydraulic servo system. <i>JVC/Journal of Vibration and Control</i> , 2023, 29, 1292-1306.	2.6	3
49	Metal ion determined self-assembly using terpyridine building blocks. <i>Organic Chemistry Frontiers</i> , 2022, 9, 2343-2350.	4.5	3
50	Stepwise Self-Assembly and Dynamic Exchange of Supramolecular Snowflakes. <i>Israel Journal of Chemistry</i> , 2019, 59, 237-247.	2.3	2
51	Effective Video Frame Acquisition for Image Stitching. <i>IEEE Access</i> , 2020, 8, 217086-217097.	4.2	2
52	Latest research and developing tendency of hyperbranched polymers fabrication. <i>Journal of Polymer Research</i> , 2021, 28, 1.	2.4	2
53	Temporal variability of organophosphate insecticide metabolites over one year in Chinese adults. <i>Science of the Total Environment</i> , 2021, 796, 149041.	8.0	2
54	Performance testing of an x-ray telescope prototype at Shanghai Synchrotron Radiation Facility. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019, 5, 1.	1.8	2

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55	Video image mosaic via multi-module cooperation. Optoelectronics Letters, 2021, 17, 688-692.	0.8	2
56	Epigenetic inactivation of ACAT1 promotes epithelial-mesenchymal transition of clear cell renal cell carcinoma. Genes and Genomics, 2022, , 1.	1.4	2
57	An organic-Ru ²⁺ cluster-initiated dendritic faced metallo-octahedron and its unpredictable photoactivity. Chemical Communications, 2022, , .	4.1	2
58	Constitutive activity of a spermine receptor is maintained by a single site in the C-terminal. Biochemical and Biophysical Research Communications, 2020, 526, 389-395.	2.1	1
59	DNA Ring-Opening Polymerization Driven by Base Stacking. ChemBioChem, 2021, 22, 1621-1626.	2.6	1
60	Object-aware Ghost Identification and Elimination for Dynamic Scene Mosaic. IEEE Transactions on Circuits and Systems for Video Technology, 2021, , 1-1.	8.3	1
61	Ultrasonic Assisted Dynamic Inverse Emulsion: A Novel Polymerization Technique to Prepare Conductive Polyaniline/Palygorskite Composite. Advanced Materials Research, 0, 873, 507-513.	0.3	0