

# Kai Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,460  
citations

516710

16  
h-index

414414

32  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2117  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Synthesis of a Low Bandgap Small Molecule Acceptor for Efficient Polymer Solar Cells. <i>Advanced Materials</i> , 2016, 28, 8283-8287.	21.0	421
2	PARylation regulates stress granule dynamics, phase separation, and neurotoxicity of disease-related RNA-binding proteins. <i>Cell Research</i> , 2019, 29, 233-247.	12.0	175
3	Highly Enantioselective Palladium-Catalyzed Alkylation of Acyclic Amides. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 1741-1744.	13.8	131
4	Stress Induces Dynamic, Cytotoxicity-Antagonizing TDP-43 Nuclear Bodies via Paraspeckle LncRNA NEAT1-Mediated Liquid-Liquid Phase Separation. <i>Molecular Cell</i> , 2020, 79, 443-458.e7.	9.7	118
5	Disordering the Atomic Structure of Co(II) Oxide via B-Doping: An Efficient Oxygen Vacancy Introduction Approach for High Oxygen Evolution Reaction Electrocatalysts. <i>Small</i> , 2018, 14, e1802760.	10.0	88
6	Facile Dispersion of Nanosized NiFeP for Highly Effective Catalysis of Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7206-7211.	6.7	46
7	Construction of a hierarchical carbon nanotube/MXene membrane with distinct fusiform channels for efficient molecular separation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 22666-22673.	10.3	39
8	Zinc Substitution-Induced Subtle Lattice Distortion Mediates the Active Center of Cobalt Diselenide Electrocatalysts for Enhanced Oxygen Evolution. <i>Small</i> , 2020, 16, e1907001.	10.0	37
9	Arrayed Cobalt Phosphide Electrocatalyst Achieves Low Energy Consumption and Persistent H <sub>2</sub> Liberation from Anodic Chemical Conversion. <i>Nano-Micro Letters</i> , 2020, 12, 154.	27.0	29
10	Intensification of anodic charge transfer by contaminant degradation for efficient H <sub>2</sub> production. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10297-10303.	10.3	28
11	Low electronegativity Mn bulk doping intensifies charge storage of Ni <sub>2</sub> P redox shuttle for membrane-free water electrolysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4073-4082.	10.3	26
12	Numerical Computation and Experimental Verification of the Jet Region in a Fluidized Bed. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 3696-3704.	3.7	24
13	The Drama of Wallerian Degeneration: The Cast, Crew, and Script. <i>Annual Review of Genetics</i> , 2021, 55, 93-113.	7.6	22
14	Tuning the Topology from fcu to pcu: Synthesis and Magnetocaloric Effect of Metal-Organic Frameworks Based on a Hexanuclear Gd(III)-Hydroxy Cluster. <i>Crystal Growth and Design</i> , 2019, 19, 55-59.	3.0	17
15	Single-Atomic Ruthenium Active Sites on Ti <sub>3</sub> C <sub>2</sub> MXene with Oxygen-Terminated Surface Synchronize Enhanced Activity and Selectivity for Electrocatalytic Nitrogen Reduction to Ammonia. <i>ChemSusChem</i> , 2022, 15, e202102352.	6.8	17
16	Rapid depletion of ESCRT protein Vps4 underlies injury-induced autophagic impediment and Wallerian degeneration. <i>Science Advances</i> , 2019, 5, eaav4971.	10.3	14
17	Zero-dimensional plate-shaped copper halide crystals with green-yellow emissions. <i>Materials Advances</i> , 2021, 2, 3744-3751.	5.4	12
18	A stable LnMOF as a highly efficient and selective luminescent sensor for detecting malachite green in water and real samples. <i>RSC Advances</i> , 2020, 10, 6129-6134.	3.6	11

#	ARTICLE	IF	CITATIONS
19	CHMP2B regulates TDP-43 phosphorylation and cytotoxicity independent of autophagy via CK1. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	11
20	CFD simulation of jet behaviour and voidage profile in a gas–solid fluidized bed. <i>International Journal of Energy Research</i> , 2004, 28, 1065-1074.	4.5	10
21	1-Vinylpyrrole-2-carbaldehyde oximes: synthesis, isomerization, and spectral properties. <i>Monatshefte für Chemie</i> , 2009, 140, 1475-1480.	1.8	7
22	Facile and scalable synthesis of Ti <sub>6</sub> Mn <sub>2</sub> oxo-cluster nanocrystals with flower-like morphology and excellent photocatalytic properties. <i>Dalton Transactions</i> , 2020, 49, 2444-2451.	3.3	7
23	A Flavin-Dependent Monooxygenase Mediates Divergent Oxidation of Rifamycin. <i>Organic Letters</i> , 2021, 23, 2342-2346.	4.6	6
24	Heterologous characterization of mechercharmycin A biosynthesis reveals alternative insights into post-translational modifications for RiPPs. <i>Cell Chemical Biology</i> , 2022, 29, 650-659.e5.	5.2	6
25	A novel series of giant cobalt-calixarene macrocycles: ring-expansion and modulation of pore apertures through recrystallization. <i>Dalton Transactions</i> , 2021, 50, 6181-6187.	3.3	4
26	Quantitative Proteomic Analysis of Mouse Sciatic Nerve Reveals Post-injury Upregulation of ADP-Dependent Glucokinase Promoting Macrophage Phagocytosis. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 777621.	2.9	4
27	A Highly Enantio- and Diastereoselective Cu-Catalyzed 1,3-Dipolar Cycloaddition of Azomethine Ylides with Nitroalkenes. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2828-2828.	13.8	3
28	Characterizing Post-EPKS Modifications of 16-Deacetyl-rifamycin Revealed Two Dehydrogenases Diverting the Aromatization Mode of Naphthalenic Ring in Ansamycin Biosynthesis. <i>Chinese Journal of Chemistry</i> , 0, , .	4.9	1