

# Zhenbang Cao

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

957  
citations

516215

16  
h-index

525886

27  
g-index

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28  
docs citations

28  
times ranked

1064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biodegradable 2D Fe-Al Hydroxide for Nanocatalytic Tumor-Dynamic Therapy with Tumor Specificity. <i>Advanced Science</i> , 2018, 5, 1801155.	5.6	100
2	2D Layered Double Hydroxide Nanoparticles: Recent Progress toward Preclinical/Clinical Nanomedicine. <i>Small Methods</i> , 2020, 4, 1900343.	4.6	100
3	Biocatalytic self-propelled submarine-like metal-organic framework microparticles with pH-triggered buoyancy control for directional vertical motion. <i>Materials Today</i> , 2019, 28, 10-16.	8.3	73
4	Enrichment of heavy metals in fine particles of municipal solid waste incinerator (MSWI) fly ash and associated health risk. <i>Waste Management</i> , 2015, 43, 239-246.	3.7	66
5	Enhanced colloidal stability and protein resistance of layered double hydroxide nanoparticles with phosphonic acid-terminated PEG coating for drug delivery. <i>Journal of Colloid and Interface Science</i> , 2018, 521, 242-251.	5.0	62
6	Liquid-Metal-Enabled Mechanical-Energy-Induced CO <sub>2</sub> Conversion. <i>Advanced Materials</i> , 2022, 34, e2105789.	11.1	58
7	Inhibiting evaporation of heavy metal by controlling its chemical speciation in MSWI fly ash. <i>Fuel</i> , 2015, 158, 764-769.	3.4	56
8	Exploring Interfacial Graphene Oxide Reduction by Liquid Metals: Application in Selective Biosensing. <i>ACS Nano</i> , 2021, 15, 19661-19671.	7.3	52
9	Electroplating sludge derived zinc-ferrite catalyst for the efficient photo-Fenton degradation of dye. <i>Journal of Environmental Management</i> , 2017, 193, 146-153.	3.8	41
10	Layered double hydroxide nanoparticles: Impact on vascular cells, blood cells and the complement system. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 404-410.	5.0	39
11	Chemotaxis-Driven 2D Nanosheet for Directional Drug Delivery toward the Tumor Microenvironment. <i>Small</i> , 2020, 16, e2002732.	5.2	39
12	Manganese-Based Magnetic Layered Double Hydroxide Nanoparticle: A pH-Sensitive and Concurrently Enhanced <sup>1</sup> T <sub>2</sub> / <sup>2</sup> T <sub>2</sub> -Weighted Dual-Mode Magnetic Resonance Imaging Contrast Agent. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2555-2562.	2.6	37
13	Cell-Mediated Biointerfacial Phenolic Assembly for Probiotic Nano Encapsulation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	34
14	Polydopamine Shell as a Ga <sup>3+</sup> Reservoir for Triggering Gallium-Indium Phase Separation in Eutectic Gallium-Indium Nanoalloys. <i>ACS Nano</i> , 2021, 15, 16839-16850.	7.3	27
15	Two-Dimensional Ultra-Thin Nanosheets with Extraordinarily High Drug Loading and Long Blood Circulation for Cancer Therapy. <i>Small</i> , 2022, 18, e2200299.	5.2	24
16	Liquid metal enabled continuous flow reactor: A proof-of-concept. <i>Matter</i> , 2021, 4, 4022-4041.	5.0	20
17	Enhanced arsenite immobilization via ternary layered double hydroxides and application to paddy soil remediation. <i>RSC Advances</i> , 2017, 7, 20320-20326.	1.7	15
18	Metal-organic frameworks as protective matrices for peptide therapeutics. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 356-363.	5.0	15

#	ARTICLE	IF	CITATIONS
19	Oscillatory bifurcation patterns initiated by seeded surface solidification of liquid metals. , 2022, 1, 158-169.		15
20	Improvement on Fluorine Migration from SF <sub>6</sub> to SiF <sub>4</sub> by an Efficient Mediator of Fe <sub>2</sub> O <sub>3</sub> /Cr <sub>2</sub> O <sub>3</sub> Composites. ACS Applied Materials & Interfaces, 2019, 11, 16538-16545.	4.0	13
21	Post-transition metal/polymer composites for the separation and sensing of alkali metal ions. Journal of Materials Chemistry A, 2021, 9, 19854-19864.	5.2	12
22	Ag-Ga Bimetallic Nanostructures Ultrasonically Prepared from Silver-Liquid Gallium Core-Shell Systems Engineered for Catalytic Applications. ACS Applied Nano Materials, 2022, 5, 6820-6831.	2.4	12
23	Reuse of hazardous calcium fluoride sludge from the integrated circuit industry. Waste Management and Research, 2013, 31, 1154-1159.	2.2	11
24	A dual enzyme-mimicking radical generator for enhanced photodynamic therapy via series-parallel catalysis. Nanoscale, 2021, 13, 17386-17395.	2.8	10
25	The Kinetics Study of Dissolving SnPb Solder by Hydrometallurgy. Environmental Engineering Science, 2019, 36, 1236-1243.	0.8	9
26	Insights into the Interfacial Contact and Charge Transport of Gas-Sensing Liquid Metal Marbles. ACS Applied Materials & Interfaces, 2022, 14, 30112-30123.	4.0	9
27	Mechanism of Dissolving Tin Solders from Waste Printed Circuit Board Assemblies by Cyclic Fluoboric Acid Composite System. Environmental Engineering Science, 2019, 36, 903-911.	0.8	4
28	Targeted Drug Delivery: 2D Layered Double Hydroxide Nanoparticles: Recent Progress toward Preclinical/Clinical Nanomedicine (Small Methods 2/2020). Small Methods, 2020, 4, 2070008.	4.6	4