

# 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

28  
all docs

28  
docs citations

28  
times ranked

1064  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquidâ€Metalâ€Enabled Mechanicalâ€Energyâ€Induced CO <sub>2</sub> Conversion. <i>Advanced Materials</i> , 2022, 34, e2105789.	11.1	58
2	Oscillatory bifurcation patterns initiated by seeded surface solidification of liquid metals. , 2022, 1, 158-169.		15
3	Cellâ€Mediated Biinterfacial Phenolic Assembly for Probiotic Nano Encapsulation. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	34
4	Agâ€Ga Bimetallic Nanostructures Ultrasonically Prepared from Silverâ€Liquid Gallium Coreâ€Shell Systems Engineered for Catalytic Applications. <i>ACS Applied Nano Materials</i> , 2022, 5, 6820-6831.	2.4	12
5	Twoâ€Dimensional Ultraâ€Thin Nanosheets with Extraordinarily High Drug Loading and Long Blood Circulation for Cancer Therapy. <i>Small</i> , 2022, 18, e2200299.	5.2	24
6	Insights into the Interfacial Contact and Charge Transport of Gas-Sensing Liquid Metal Marbles. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 30112-30123.	4.0	9
7	A dual enzyme-mimicking radical generator for enhanced photodynamic therapy via parallel catalysis. <i>Nanoscale</i> , 2021, 13, 17386-17395.	2.8	10
8	Post-transition metal/polymer composites for the separation and sensing of alkali metal ions. <i>Journal of Materials Chemistry A</i> , 2021, 9, 19854-19864.	5.2	12
9	Polydopamine Shell as a Ga <sup>3+</sup> Reservoir for Triggering Galliumâ€Indium Phase Separation in Eutectic Galliumâ€Indium Nanoalloys. <i>ACS Nano</i> , 2021, 15, 16839-16850.	7.3	27
10	Exploring Interfacial Graphene Oxide Reduction by Liquid Metals: Application in Selective Biosensing. <i>ACS Nano</i> , 2021, 15, 19661-19671.	7.3	52
11	Liquid metal enabled continuous flow reactor: A proof-of-concept. <i>Matter</i> , 2021, 4, 4022-4041.	5.0	20
12	2D Layered Double Hydroxide Nanoparticles: Recent Progress toward Preclinical/Clinical Nanomedicine. <i>Small Methods</i> , 2020, 4, 1900343.	4.6	100
13	Chemotaxisâ€Driven 2D Nanosheet for Directional Drug Delivery toward the Tumor Microenvironment. <i>Small</i> , 2020, 16, e2002732.	5.2	39
14	Metal-organic frameworks as protective matrices for peptide therapeutics. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 356-363.	5.0	15
15	Targeted Drug Delivery: 2D Layered Double Hydroxide Nanoparticles: Recent Progress toward Preclinical/Clinical Nanomedicine ( <i>Small Methods</i> 2/2020). <i>Small Methods</i> , 2020, 4, 2070008.	4.6	4
16	The Kinetics Study of Dissolving SnPb Solder by Hydrometallurgy. <i>Environmental Engineering Science</i> , 2019, 36, 1236-1243.	0.8	9
17	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
18	Manganese-Based Magnetic Layered Double Hydroxide Nanoparticle: A pH-Sensitive and Concurrently Enhanced T <sub>1</sub> -Weighted Dual-Mode Magnetic Resonance Imaging Contrast Agent. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2555-2562.	2.6	37

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19	Mechanism of Dissolving Tin Solders from Waste Printed Circuit Board Assemblies by Cyclic Fluoboric Acid Composite System. <i>Environmental Engineering Science</i> , 2019, 36, 903-911.	0.8	4
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. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 16538-16545.	4.0	13
21	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
22	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
23	Biodegradable 2D Fe-Al Hydroxide for Nanocatalytic Tumor Dynamic Therapy with Tumor Specificity. <i>Advanced Science</i> , 2018, 5, 1801155.	5.6	100
24	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
25	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
26	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
27	Inhibiting evaporation of heavy metal by controlling its chemical speciation in MSWI fly ash. <i>Fuel</i> , 2015, 158, 764-769.	3.4	56
28	Reuse of hazardous calcium fluoride sludge from the integrated circuit industry. <i>Waste Management and Research</i> , 2013, 31, 1154-1159.	2.2	11