

# Lei Zhang

## List of Publications by Year in descending order

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14  
papers

550  
citations

1051969

10  
h-index

1255698

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

962  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective separation of single-walled carbon nanotubes in aqueous solution by assembling redox nanoclusters. <i>Nanoscale</i> , 2022, 14, 953-961.	2.8	7
2	Highly conjugated three-dimensional van der Waals heterostructure-based nanocomposite films for ultrahigh-responsive TEA gas sensors at room temperature. <i>Journal of Materials Chemistry A</i> , 2022, 10, 2995-3008.	5.2	20
3	A wafer-scale two-dimensional platinum monosulfide ultrathin film via metal sulfurization for high performance photoelectronics. <i>Materials Advances</i> , 2022, 3, 1497-1505.	2.6	14
4	Polyoxometalate steric hindrance driven chirality-selective separation of subnanometer carbon nanotubes. <i>Chemical Science</i> , 2022, 13, 5920-5928.	3.7	10
5	Direct Visualization of the Evolution of a Single-Atomic Cobalt Catalyst from Melting Nanoparticles with Carbon Dissolution. <i>Advanced Science</i> , 2022, 9, e2200592.	5.6	15
6	Kinetic diffusion-controlled synthesis of twinned intermetallic nanocrystals for CO-resistant catalysis. <i>Science Advances</i> , 2022, 8, .	4.7	16
7	Atomic origins of the strong metal-support interaction in silica supported catalysts. <i>Chemical Science</i> , 2021, 12, 12651-12660.	3.7	36
8	Host-Guest Molecular Interaction Enabled Separation of Large-Diameter Semiconducting Single-Walled Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2021, 143, 10120-10130.	6.6	44
9	Rational design of crystalline two-dimensional frameworks with highly complicated topological structures. <i>Nature Communications</i> , 2019, 10, 4609.	5.8	54
10	Maximizing sinusoidal channels of HZSM-5 for high shape-selectivity to p-xylene. <i>Nature Communications</i> , 2019, 10, 4348.	5.8	102
11	Photoinduced synthesis of Bi <sub>2</sub> O <sub>3</sub> nanotubes based on oriented attachment. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1424-1428.	5.2	9
12	Achieving Highly Efficient Catalysts for Hydrogen Evolution Reaction by Electronic State Modification of Platinum on Versatile Ti <sub>3</sub> C <sub>2</sub> T <sub>3</sub> (MXene). <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 4266-4273.	3.2	79
13	Observation of Interpenetration Isomerism in Covalent Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2018, 140, 6763-6766.	6.6	144
14	Discovery of Layered Indium Hydroxide via a Hydroperoxyl Anion Coordinated Precursor at Room Temperature. <i>Chemistry - A European Journal</i> , 2018, 24, 15491-15494.	1.7	0