

# Yankai Pan

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

511  
citations

758635

12  
h-index

1125271

13  
g-index

13  
all docs

13  
docs citations

13  
times ranked

697  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-dimensional CaO/carbon heterostructures with unprecedented catalytic performance in room-temperature H <sub>2</sub> S oxidization. <i>Applied Catalysis B: Environmental</i> , 2021, 280, 119444.	10.8	42
2	Lightweight and Flexible Phenolic Aerogels with Three-Dimensional Foam Reinforcement for Acoustic and Thermal Insulation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 1241-1249.	1.8	28
3	Unveiling the Nature of Room-Temperature O <sub>2</sub> Activation and O <sub>2</sub> <sup>•-</sup> Enrichment on MgO-Loaded Porous Carbons with Efficient H <sub>2</sub> S Oxidation. <i>ACS Catalysis</i> , 2021, 11, 5974-5983.	5.5	53
4	Probing the room-temperature oxidative desulfurization activity of three-dimensional alkaline graphene aerogel. <i>Applied Catalysis B: Environmental</i> , 2020, 262, 118266.	10.8	59
5	Grafting polyethyleneimine on electrospun nanofiber separator to stabilize lithium metal anode for lithium sulfur batteries. <i>Chemical Engineering Journal</i> , 2020, 388, 124258.	6.6	50
6	Rapid Gas-Engineering to the Manufacture of Graphene-Like Mesoporous Carbon Nanosheets with a Large Aspect Ratio. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 47792-47801.	4.0	10
7	Expediting polysulfide catalytic conversion for lithium-sulfur batteries <i>via in situ</i> implanted ultrafine Fe <sub>3</sub> O <sub>4</sub> nanocrystals in carbon nanospheres. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24117-24127.	5.2	33
8	Tunable Production of Jet-Fuel Range Alkanes and Aromatics by Catalytic Pyrolysis of LDPE over Biomass-Derived Activated Carbons. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 17451-17461.	1.8	23
9	Colloidal dispersion of Nb <sub>2</sub> O <sub>5</sub> /reduced graphene oxide nanocomposites as functional coating layer for polysulfide shuttle suppression and lithium anode protection of Li-S battery. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 11-20.	5.0	27
10	Self-propelled nanoemulsion assembly of organosilane to the synthesis of high-surface-area hollow carbon spheres for enhanced energy storage. <i>Chemical Engineering Journal</i> , 2020, 400, 124973.	6.6	15
11	Promoting sulfur immobilization by a hierarchical morphology of hollow carbon nanosphere clusters for high-stability Li-S battery. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6250-6258.	5.2	50
12	Sulfur film sandwiched between few-layered MoS <sub>2</sub> electrocatalysts and conductive reduced graphene oxide as a robust cathode for advanced lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5899-5909.	5.2	95
13	A substrate-influenced three-dimensional unoriented dispersion pathway for dendrite-free lithium metal anodes. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14910-14918.	5.2	26