

# Ang Li

## List of Publications by Year in descending order

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31  
papers

2,336  
citations

361413

20  
h-index

434195

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1458  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape-stabilized phase change materials based on porous supports for thermal energy storage applications. <i>Chemical Engineering Journal</i> , 2019, 356, 641-661.	12.7	459
2	Nanoconfinement effects on thermal properties of nanoporous shape-stabilized composite PCMs: A review. <i>Nano Energy</i> , 2018, 53, 769-797.	16.0	260
3	Highly graphitized 3D network carbon for shape-stabilized composite PCMs with superior thermal energy harvesting. <i>Nano Energy</i> , 2018, 49, 86-94.	16.0	200
4	Optimization strategies of composite phase change materials for thermal energy storage, transfer, conversion and utilization. <i>Energy and Environmental Science</i> , 2020, 13, 4498-4535.	30.8	181
5	Different dimensional nanoadditives for thermal conductivity enhancement of phase change materials: Fundamentals and applications. <i>Nano Energy</i> , 2021, 85, 105948.	16.0	164
6	Construction of CNT@Cr-MIL-101-NH <sub>2</sub> hybrid composite for shape-stabilized phase change materials with enhanced thermal conductivity. <i>Chemical Engineering Journal</i> , 2018, 350, 164-172.	12.7	139
7	Advanced multifunctional composite phase change materials based on photo-responsive materials. <i>Nano Energy</i> , 2021, 80, 105454.	16.0	129
8	Smart integration of carbon quantum dots in metal-organic frameworks for fluorescence-functionalized phase change materials. <i>Energy Storage Materials</i> , 2019, 18, 349-355.	18.0	105
9	Core-sheath structural carbon materials for integrated enhancement of thermal conductivity and capacity. <i>Applied Energy</i> , 2018, 217, 369-376.	10.1	91
10	Nanoconfinement effects of N-doped hierarchical carbon on thermal behaviors of organic phase change materials. <i>Energy Storage Materials</i> , 2019, 18, 280-288.	18.0	86
11	Hierarchical 3D Reduced Graphene Porous-Carbon-Based PCMs for Superior Thermal Energy Storage Performance. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 32093-32101.	8.0	85
12	Modulation of the charge transfer behavior of Ni(II)-doped NH <sub>2</sub> -MIL-125(Ti): Regulation of Ni ions content and enhanced photocatalytic CO <sub>2</sub> reduction performance. <i>Chemical Engineering Journal</i> , 2021, 406, 126886.	12.7	83
13	Ambient pressure dried flexible silica aerogel for construction of monolithic shape-stabilized phase change materials. <i>Solar Energy Materials and Solar Cells</i> , 2019, 201, 110122.	6.2	44
14	Construction of dual ligand Ti-based MOFs with enhanced photocatalytic CO <sub>2</sub> reduction performance. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 48, 101528.	6.8	39
15	Enhancement in mechanical and corrosion resistance properties of a biodegradable Zn-Fe alloy through second phase refinement. <i>Materials Science and Engineering C</i> , 2020, 116, 111197.	7.3	38
16	Cobalt-tuned nickel phosphide nanoparticles for highly efficient electrocatalysis. <i>Applied Surface Science</i> , 2019, 479, 1254-1261.	6.1	34
17	Engineering attractive interaction in ZIF-based phase change materials for boosting electro- and photo- driven thermal energy storage. <i>Chemical Engineering Journal</i> , 2022, 430, 133007.	12.7	27
18	Network Structural CNTs Penetrate Porous Carbon Support for Phase Change Materials with Enhanced Electro-thermal Performance. <i>Advanced Electronic Materials</i> , 2020, 6, 1901428.	5.1	26

#	ARTICLE	IF	CITATIONS
19	Metal-organic framework derived magnetic phase change nanocage for fast-charging solar-thermal energy conversion. <i>Nano Energy</i> , 2022, 99, 107383.	16.0	26
20	Fine-Tuning the Metal Oxo Cluster Composition and Phase Structure of Ni/Ti Bimetallic MOFs for Efficient CO <sub>2</sub> Reduction. <i>Journal of Physical Chemistry C</i> , 2021, 125, 9200-9209.	3.1	23
21	Self-assembly engineering toward large-area defect-rich TiO <sub>2</sub> (B) nanosheets-based free-standing films for high-performance lithium-ion batteries. <i>Journal of Power Sources</i> , 2020, 448, 227458.	7.8	18
22	Encapsulation of lauric acid in reduced graphene-N-doped porous carbon supporting scaffold for multi-functional phase change composites. <i>Renewable Energy</i> , 2021, 170, 661-668.	8.9	18
23	The reinforced photothermal effect of conjugated dye/graphene oxide-based phase change materials: Fluorescence resonance energy transfer and applications in solar-thermal energy storage. <i>Chemical Engineering Journal</i> , 2022, 428, 130605.	12.7	17
24	Metalloporphyrin-Decorated Titanium Dioxide Nanosheets for Efficient Photocatalytic Carbon Dioxide Reduction. <i>Inorganic Chemistry</i> , 2021, 60, 18337-18346.	4.0	14
25	Molecular insights into the interaction mechanism between C18 phase change materials and methyl-modified carbon nanotubes. <i>Ceramics International</i> , 2021, 47, 23564-23570.	4.8	8
26	Fabrication and Elastic Properties of TiO <sub>2</sub> Nanohelix Arrays through a Pressure-Induced Hydrothermal Method. <i>ACS Nano</i> , 2021, 15, 14174-14184.	14.6	7
27	Understanding molecular motion mechanism of phase change materials in mesoporous MCM-41. <i>Microporous and Mesoporous Materials</i> , 2021, 312, 110741.	4.4	6
28	Assembly of flexible nanohelix films: stress-exporting insights into the electrochemical performance of lithium-ion batteries. <i>Materials Today Nano</i> , 2021, 16, 100141.	4.6	4
29	Influence and mechanism of spreading and solidification behavior on cross section geometry of tin single tracks formed by liquid metal flow rapid cooling additive manufacturing. <i>Ferroelectrics</i> , 2018, 528, 139-149.	0.6	3
30	Facile synthesis of Ag-CuO/SBA-15 for aerobic epoxidation of olefins with high activity. <i>Nanotechnology</i> , 2019, 30, 434002.	2.6	1
31	Cobalt-embedded few-layered carbon nanosheets toward enhanced hydrogen evolution: Rational design and insight into structure-performance correlation. <i>Journal of Energy Chemistry</i> , 2021, 58, 156-161.	12.9	1