

Wen Luo

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

632
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

864
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent functionalization of graphene by azobenzene with molecular hydrogen bonds for long-term solar thermal storage. <i>Scientific Reports</i> , 2013, 3, 3260.	3.3	126
2	Photo-responsive carbon nanomaterials functionalized by azobenzene moieties: structures, properties and application. <i>Nanoscale</i> , 2012, 4, 6118.	5.6	95
3	A high energy density azobenzene/graphene hybrid: a nano-templated platform for solar thermal storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11787-11795.	10.3	89
4	A supramolecular assembly of cross-linked azobenzene/polymers for a high-performance light-driven actuator. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16453-16460.	10.3	63
5	High-energy, stable and recycled molecular solar thermal storage materials using AZO/graphene hybrids by optimizing hydrogen bonds. <i>Nanoscale</i> , 2015, 7, 16214-16221.	5.6	61
6	A layer-nanostructured assembly of PbS quantum dot/multiwalled carbon nanotube for a high-performance photoswitch. <i>Scientific Reports</i> , 2014, 4, 3777.	3.3	44
7	Molecular regulation of nano-structured solid-state AZO-SWCNTs assembly film for the high-energy and short-term solar thermal storage. <i>Solar Energy Materials and Solar Cells</i> , 2019, 193, 198-205.	6.2	36
8	Enhanced Thermal Conductivity and Durability of a Paraffin Wax Nanocomposite Based on Carbon-Coated Aluminum Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12603-12609.	3.1	24
9	In Situ Formed Weave Cage-Like Nanostructure Wrapped Mesoporous Micron Silicon Anode for Enhanced Stable Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 29726-29736.	8.0	22
10	In Situ Generated Carbon Nanosheet-Covered Micron-Sized Porous Si Composite for Long-Cycling Life Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 535-544.	5.1	21
11	Enhanced Stability Lithium-Ion Battery Based on Optimized Graphene/Si Nanocomposites by Templated Assembly. <i>ACS Omega</i> , 2019, 4, 18195-18202.	3.5	20
12	A high energy, reusable and daily-utilization molecular solar thermal conversion and storage material based on azobenzene/multi-walled carbon nanotubes hybrid. <i>Thermochimica Acta</i> , 2017, 657, 163-169.	2.7	19
13	High-energy and light-actuated phase change composite for solar energy storage and heat release. <i>Surfaces and Interfaces</i> , 2021, 24, 101071.	3.0	6
14	Experimental investigation on thermal performance of silica cooling plate-cum aluminate thermal plate-coupled forced convection-based pouch battery thermal management system. <i>International Journal of Energy Research</i> , 2019, 43, 7604.	4.5	4
15	Long-Term Stable Hollowed Silicon for Li-Ion Batteries Based on an Improved Low-Temperature Molten Salt Strategy. <i>ACS Omega</i> , 2020, 5, 27368-27373.	3.5	1
16	Templating assembly of NIR light-actuated TPU/SCNT-C60 flexible structures with high conductivity and controllable recovery behavior. <i>Surfaces and Interfaces</i> , 2021, 25, 101230.	3.0	1