

# Liu Luo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3093525/publications.pdf>

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14  
papers

1,549  
citations

623734

14  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

2531  
citing authors

#	ARTICLE	IF	CITATIONS
1	Yolk@Shelled C@Fe <sub>3</sub> O <sub>4</sub> Nanoboxes as Efficient Sulfur Hosts for High-Performance Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2017, 29, 1702707.	21.0	455
2	A 3D Lithiophilic Mo <sub>2</sub> N@Modified Carbon Nanofiber Architecture for Dendrite-Free Lithium-Metal Anodes in a Full Cell. <i>Advanced Materials</i> , 2019, 31, e1904537.	21.0	139
3	TiS <sub>2</sub> @Polysulfide Hybrid Cathode with High Sulfur Loading and Low Electrolyte Consumption for Lithium-Sulfur Batteries. <i>ACS Energy Letters</i> , 2018, 3, 568-573.	17.4	138
4	Long-Life Lithium-Sulfur Batteries with a Bifunctional Cathode Substrate Configured with Boron Carbide Nanowires. <i>Advanced Materials</i> , 2018, 30, e1804149.	21.0	120
5	<i>In-Situ</i> Assembled VS <sub>4</sub> as a Polysulfide Mediator for High-Loading Lithium-Sulfur Batteries. <i>ACS Energy Letters</i> , 2020, 5, 1177-1185.	17.4	120
6	Rational Design of a Dual-Function Hybrid Cathode Substrate for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1801014.	19.5	103
7	A three-dimensional self-assembled SnS <sub>2</sub> -nano-dots@graphene hybrid aerogel as an efficient polysulfide reservoir for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7659-7667.	10.3	95
8	In Situ Clickable Zwitterionic Starch-Based Hydrogel for 3D Cell Encapsulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 4442-4455.	8.0	91
9	A trifunctional multi-walled carbon nanotubes/polyethylene glycol (MWCNT/PEG)-coated separator through a layer-by-layer coating strategy for high-energy Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16805-16811.	10.3	72
10	Rational Design of High-Loading Sulfur Cathodes with a Poached-Egg-Shaped Architecture for Long-Cycle Lithium-Sulfur Batteries. <i>ACS Energy Letters</i> , 2017, 2, 2205-2211.	17.4	67
11	Janus composite nanoparticle-incorporated mixed matrix membranes for CO <sub>2</sub> separation. <i>Journal of Membrane Science</i> , 2015, 489, 1-10.	8.2	62
12	A nickel-foam@carbon-shell with a pie-like architecture as an efficient polysulfide trap for high-energy Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15002-15007.	10.3	44
13	Self-supported MoO <sub>2</sub> /MoS <sub>2</sub> nano-sheets embedded in a carbon cloth as a binder-free substrate for high-energy lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2021, 367, 137482.	5.2	24
14	An Artificial Protective Coating toward Dendrite-Free Lithium-Metal Anodes for Lithium-Sulfur Batteries. <i>Energy Technology</i> , 2020, 8, 2000348.	3.8	19