

# Sung-Ju Cho

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

1,912  
citations

471509

17  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

3001  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bendable and Thin Sulfide Solid Electrolyte Film: A New Electrolyte Opportunity for Free-Standing and Stackable High-Energy All-Solid-State Lithium-Ion Batteries. <i>Nano Letters</i> , 2015, 15, 3317-3323.	9.1	233
2	COF-Net on CNT-Net as a Molecularly Designed, Hierarchical Porous Chemical Trap for Polysulfides in Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2016, 16, 3292-3300.	9.1	216
3	Thin, Deformable, and Safety-Reinforced Plastic Crystal Polymer Electrolytes for High-Performance Flexible Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2014, 24, 44-52.	14.9	195
4	Printable Solid-State Lithium-Ion Batteries: A New Route toward Shape-Conformable Power Sources with Aesthetic Versatility for Flexible Electronics. <i>Nano Letters</i> , 2015, 15, 5168-5177.	9.1	182
5	Flexible/shape-versatile, bipolar all-solid-state lithium-ion batteries prepared by multistage printing. <i>Energy and Environmental Science</i> , 2018, 11, 321-330.	30.8	141
6	Nanomaterial Sulfur batteries based on all-fibrous cathode/separator assemblies and reinforced Li metal anodes: towards ultrahigh energy density and flexibility. <i>Energy and Environmental Science</i> , 2019, 12, 177-186.	30.8	138
7	Excellent Compatibility of Solvate Ionic Liquids with Sulfide Solid Electrolytes: Toward Favorable Ionic Contacts in Bulk-Type All-Solid-State Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1500865.	19.5	134
8	Heterolayered, One-Dimensional Nanobuilding Block Mat Batteries. <i>Nano Letters</i> , 2014, 14, 5677-5686.	9.1	111
9	Hetero-Nanonet Rechargeable Paper Batteries: Toward Ultrahigh Energy Density and Origami Foldability. <i>Advanced Functional Materials</i> , 2015, 25, 6029-6040.	14.9	111
10	Mechanically compliant and lithium dendrite growth-suppressing composite polymer electrolytes for flexible lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4949.	10.3	110
11	A shape-deformable and thermally stable solid-state electrolyte based on a plastic crystal composite polymer electrolyte for flexible/safer lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10854-10861.	10.3	68
12	Electrical Conductivity Gradient Based on Heterofibrous Scaffolds for Stable Lithium-Metal Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 1908868.	14.9	64
13	Nonflammable Lithium Metal Full Cells with Ultra-high Energy Density Based on Coordinated Carbonate Electrolytes. <i>IScience</i> , 2020, 23, 100844.	4.1	58
14	All-Solid-State Printed Bipolar Li-S Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1901841.	19.5	45
15	Monolithic heterojunction quasi-solid-state battery electrolytes based on thermodynamically immiscible dual phases. <i>Energy and Environmental Science</i> , 2019, 12, 559-565.	30.8	27
16	An effective coupling of nanostructured Si and gel polymer electrolytes for high-performance lithium-ion battery anodes. <i>RSC Advances</i> , 2016, 6, 6960-6966.	3.6	23
17	Direct ultraviolet-assisted conformal coating of nanometer-thick poly(tris(2-(acryloyloxy)ethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Sources, 2013, 244, 389-394.	7.8	22
18	Nitrile Electrolyte Strategy for 4.9 V-Class Lithium-Metal Batteries Operating in Flame. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.8	10

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19	Liquid-Based Janus Electrolyte for Sustainable Redox Mediation in Lithium-Oxygen Batteries. <i>Advanced Energy Materials</i> , 2021, 11, 2102096.	19.5	9
20	Flexible Batteries: Thin, Deformable, and Safety-Reinforced Plastic Crystal Polymer Electrolytes for High-Performance Flexible Lithium-Ion Batteries ( <i>Adv. Funct. Mater.</i> 1/2014). <i>Advanced Functional Materials</i> , 2014, 24, 172-172.	14.9	5
21	DNA-directed amphiphilic self-assembly as a chemifunctional/multiscale-structuring strategy for high-performance Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4084-4092.	10.3	3
22	Lithium-Ion Batteries: Excellent Compatibility of Solvate Ionic Liquids with Sulfide Solid Electrolytes: Toward Favorable Ionic Contacts in Bulk-Type All-Solid-State Lithium-Ion Batteries ( <i>Adv. Energy Mater.</i> )	10.3	1
23	Molecularly designed, dual-doped mesoporous carbon/SWCNT nanoshields for lithium battery electrode materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 14996-15005.	10.3	1