

Yanna NuLi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97
papers

4,558
citations

37
h-index

66
g-index

99
ext. papers

5,361
ext. citations

9.6
avg, IF

5.95
L-index

#	Paper	IF	Citations
97	A new flame-retardant polymer electrolyte with enhanced Li-ion conductivity for safe lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2022 , 65, 616-622	12	6
96	Electrochemical polymerization of nonflammable electrolyte enabling fast-charging lithium-sulfur battery. <i>Energy Storage Materials</i> , 2022 , 50, 387-394	19.4	4
95	Artificial Alloy/Li3N Double-Layer Enabling Stable High-Capacity Lithium Metal Anodes. <i>ACS Applied Energy Materials</i> , 2021 , 4, 13132-13139	6.1	1
94	A Se-Doped S@CMK3 Composite as a High-Performance Cathode for Magnesium Sulfur Batteries with Mg ²⁺ /Li ⁺ Hybrid Electrolytes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 25959-25967	3.8	2
93	A Novel Filler for Gel Polymer Electrolyte with a High Lithium-Ion Transference Number toward Stable Cycling for Lithium-Metal Anodes in Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 48622-48633	9.5	1
92	TiC MXene with pillared structure for hybrid magnesium-lithium batteries cathode material with long cycle life and high rate capability. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 2455-2455	9.3	2
91	Sulfurized Polyacrylonitrile Cathode Derived from Intermolecular Cross-Linked Polyacrylonitrile for a Rechargeable Lithium Battery. <i>ACS Applied Energy Materials</i> , 2021 , 4, 5706-5712	6.1	3
90	Coupling-Agent-Coordinated Uniform Polymer Coating on LiNiCoMnO for Improved Electrochemical Performance at Elevated Temperatures. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 26971-26980	9.5	2
89	Sulfurized-Pyrolyzed Polyacrylonitrile Cathode for Magnesium-Sulfur Batteries Containing Mg ²⁺ /Li ⁺ Hybrid Electrolytes. <i>Chemical Engineering Journal</i> , 2021 , 427, 130902	14.7	6
88	Iron Phosphide Confined in Carbon Nanofibers as a Free-Standing Flexible Anode for High-Performance Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 34074-34083	9.5	5
87	A high-performance rechargeable Mg/Li hybrid battery using CNT@TiO nanocables as the cathode. <i>Journal of Colloid and Interface Science</i> , 2021 , 581, 307-313	9.3	8
86	2D Ti3C2 MXene embedded with Co(II)(OH) _n nanoparticles as the cathode material for hybrid magnesium-lithium-ion batteries. <i>Journal of Materials Science</i> , 2021 , 56, 2464-2473	4.3	4
85	Silica-nanoresin crosslinked composite polymer electrolyte for ambient-temperature all-solid-state lithium batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 6502-6511	7.8	8
84	A Chlorine-Free Electrolyte Based on Non-nucleophilic Magnesium Bis(diisopropyl)amide and Ionic Liquid for Rechargeable Magnesium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32957-32967	9.5	5
83	An Efficient Bulky Mg[B(Otfe) ₄] ₂ Electrolyte and Its Derivatively General Design Strategy for Rechargeable Magnesium Batteries. <i>ACS Energy Letters</i> , 2021 , 6, 3212-3220	20.1	11
82	SnSe /FeSe Nanocubes Capsulated in Nitrogen-Doped Carbon Realizing Stable Sodium-Ion Storage at Ultrahigh Rate.. <i>Small Methods</i> , 2021 , 5, e2100437	12.8	4
81	A crosslinking hydrogel binder for high-sulfur content S@pPAN cathode in rechargeable lithium batteries. <i>Journal of Energy Chemistry</i> , 2021 , 60, 360-367	12	5

80	Recent progress on selenium-based cathode materials for rechargeable magnesium batteries: A mini review. <i>Journal of Materials Science and Technology</i> , 2021 , 91, 168-177	9.1	5
79	High Molecular Weight Polyacrylonitrile Precursor for S@pPAN Composite Cathode Materials with High Specific Capacity for Rechargeable Lithium Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 33702-33709	9.5	11
78	Designing an intrinsically safe organic electrolyte for rechargeable batteries. <i>Energy Storage Materials</i> , 2020 , 31, 382-400	19.4	29
77	Towards practical LiS battery with dense and flexible electrode containing lean electrolyte. <i>Energy Storage Materials</i> , 2020 , 27, 307-315	19.4	42
76	Metal Organic Framework (MOF)-Derived carbon-encapsulated cuprous sulfide cathode based on displacement reaction for Hybrid Mg ²⁺ /Li ⁺ batteries. <i>Journal of Power Sources</i> , 2020 , 445, 227325	8.9	32
75	Effect of copper to Selenium@Microporous carbon cathode for MgBe batteries with nucleophilic electrolyte. <i>Electrochimica Acta</i> , 2020 , 330, 135354	6.7	4
74	A superb 3D composite lithium metal anode prepared by in-situ lithiation of sulfurized polyacrylonitrile. <i>Energy Storage Materials</i> , 2020 , 33, 452-459	19.4	7
73	Integrated Composite Polymer Electrolyte Cross-Linked with SiO ₂ -Reinforced Layer for Enhanced Li-Ion Conductivity and Lithium Dendrite Inhibition. <i>ACS Applied Energy Materials</i> , 2020 , 3, 8552-8561	6.1	7
72	Sodium Polyacrylate as a Promising Aqueous Binder of Cathodes for MagnesiumSulfur Batteries. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 20712-20721	3.8	9
71	A new class of electrolytes based on magnesium bis(diisopropyl)amide for magnesium-sulfur batteries. <i>Chemical Communications</i> , 2019 , 55, 6086-6089	5.8	23
70	Stable Na Metal Anode Enabled by a Reinforced Multistructural SEI Layer. <i>Advanced Functional Materials</i> , 2019 , 29, 1901924	15.6	49
69	Electrolytes for advanced lithium ion batteries using silicon-based anodes. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 9432-9446	13	54
68	Highly Reversible Lithium-Metal Anode and Lithium-Sulfur Batteries Enabled by an Intrinsic Safe Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 33419-33427	9.5	15
67	LiCrTiO ₄ Nanowires as High-Performance Cathodes for MagnesiumLithium Hybrid Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14539-14544	8.3	6
66	A novel magnesium electrolyte containing a magnesium bis(diisopropyl)amide-magnesium chloride complex for rechargeable magnesium batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18295-18303	13	22
65	High Active Magnesium Trifluoromethanesulfonate-Based Electrolytes for Magnesium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9062-9072	9.5	37
64	MLiTiO (M = Sr, Ba, and Pb): new cathode materials for magnesium-lithium hybrid batteries. <i>Dalton Transactions</i> , 2019 , 48, 17566-17571	4.3	3
63	Highly Reversible and Rechargeable Safe Zn Batteries Based on a Triethyl Phosphate Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2760-2764	16.4	206

62	An Intrinsic Flame-Retardant Organic Electrolyte for Safe Lithium-Sulfur Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 791-795	16.4	100
61	Highly Reversible and Rechargeable Safe Zn Batteries Based on a Triethyl Phosphate Electrolyte. <i>Angewandte Chemie</i> , 2019 , 131, 2786-2790	3.6	39
60	Bicomponent electrolyte additive excelling fluoroethylene carbonate for high performance Si-based anodes and lithiated Si-S batteries. <i>Energy Storage Materials</i> , 2019 , 20, 388-394	19.4	21
59	Safer lithium-sulfur battery based on nonflammable electrolyte with sulfur composite cathode. <i>Chemical Communications</i> , 2018 , 54, 4132-4135	5.8	51
58	Recent progress and perspective on lithium metal anode protection. <i>Energy Storage Materials</i> , 2018 , 14, 199-221	19.4	140
57	Duplex component additive of tris(trimethylsilyl) phosphite-vinylene carbonate for lithium sulfur batteries. <i>Energy Storage Materials</i> , 2018 , 14, 75-81	19.4	26
56	Hybrid Mg ²⁺ /Li ⁺ batteries with Cu ₂ Se cathode based on displacement reaction. <i>Electrochimica Acta</i> , 2018 , 261, 503-512	6.7	30
55	Silicon Microparticle Anodes with Self-Healing Multiple Network Binder. <i>Joule</i> , 2018 , 2, 950-961	27.8	196
54	Nano-/Microhierarchical-Structured LiMnFePO Cathode Material for Advanced Lithium Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43552-43560	9.5	13
53	A conductive selenized polyacrylonitrile cathode in nucleophilic Mg ²⁺ /Li ⁺ hybrid electrolytes for magnesium-selenium batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17075-17085	13	20
52	A compatible carbonate electrolyte with lithium anode for high performance lithium sulfur battery. <i>Electrochimica Acta</i> , 2018 , 282, 555-562	6.7	27
51	An Intrinsic Flame-Retardant Organic Electrolyte for Safe Lithium-Sulfur Batteries. <i>Angewandte Chemie</i> , 2018 , 131, 801	3.6	
50	 Carbon Cathode with a High Sulfur Content for Magnesium-Sulfur Batteries with Nucleophilic Electrolytes. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 26764-26776	3.8	37
49	Lithium sulfur batteries with compatible electrolyte both for stable cathode and dendrite-free anode. <i>Energy Storage Materials</i> , 2018 , 15, 299-307	19.4	66
48	AlF-Modified carbon nanofibers as a multifunctional 3D interlayer for stable lithium metal anodes. <i>Chemical Communications</i> , 2018 , 54, 8347-8350	5.8	20
47	Electrospun V ₂ MoO ₈ as a cathode material for rechargeable batteries with Mg metal anode. <i>Nano Energy</i> , 2017 , 34, 26-35	17.1	71
46	Natural karaya gum as an excellent binder for silicon-based anodes in high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1919-1924	13	71
45	Effects of binders on the electrochemical performance of rechargeable magnesium batteries. <i>Journal of Power Sources</i> , 2017 , 341, 219-229	8.9	27

44	Prelithiation Activates Fe(MoO) Cathode for Rechargeable Hybrid Mg/Li Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38455-38466	9.5	19
43	Application of a Sulfur Cathode in Nucleophilic Electrolytes for Magnesium/Sulfur Batteries. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A2504-A2512	3.9	45
42	High performance nano-sized LiMn _{1-x} FexPO ₄ cathode materials for advanced lithium-ion batteries. <i>RSC Advances</i> , 2017 , 7, 43708-43715	3.7	5
41	Superior rate capability of a sulfur composite cathode in a tris(trimethylsilyl)borate-containing functional electrolyte. <i>Chemical Communications</i> , 2016 , 52, 14430-14433	5.8	15
40	Guar gum as a novel binder for sulfur composite cathodes in rechargeable lithium batteries. <i>Chemical Communications</i> , 2016 , 52, 13479-13482	5.8	52
39	A new ether-based electrolyte for dendrite-free lithium-metal based rechargeable batteries. <i>Scientific Reports</i> , 2016 , 6, 21771	4.9	131
38	Magnesium Borohydride-Based Electrolytes Containing 1-butyl-1-methylpiperidinium bis(trifluoromethyl sulfonyl)imide Ionic Liquid for Rechargeable Magnesium Batteries. <i>Journal of the Electrochemical Society</i> , 2016 , 163, D682-D688	3.9	27
37	Scalable and Cost-Effective Preparation of Hierarchical Porous Silicon with a High Conversion Yield for Superior Lithium-Ion Storage. <i>Energy Technology</i> , 2016 , 4, 593-599	3.5	15
36	Effect of Mg ²⁺ /Li ⁺ mixed electrolytes on a rechargeable hybrid battery with Li ₄ Ti ₅ O ₁₂ cathode and Mg anode. <i>RSC Advances</i> , 2016 , 6, 3231-3234	3.7	41
35	Polydopamine Wrapping Silicon Cross-linked with Polyacrylic Acid as High-Performance Anode for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2899-904	9.5	79
34	A new electrolyte with good compatibility to a lithium anode for non-aqueous Li ₂ O ₂ batteries. <i>RSC Advances</i> , 2016 , 6, 47820-47823	3.7	7
33	A High-Performance Rechargeable Mg(2+)/Li(+) Hybrid Battery Using One-Dimensional Mesoporous TiO ₂ (B) Nanoflakes as the Cathode. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7111-7119	9.5	71
32	Oxidized starch as a superior binder for silicon anodes in lithium-ion batteries. <i>RSC Advances</i> , 2016 , 6, 97084-97088	3.7	26
31	A novel rechargeable battery with a magnesium anode, a titanium dioxide cathode, and a magnesium borohydride/tetraglyme electrolyte. <i>Chemical Communications</i> , 2015 , 51, 2641-4	5.8	101
30	Surface Modification of Li _{1.2} Ni _{0.13} Mn _{0.54} Co _{0.13} O ₂ by Hydrazine Vapor as Cathode Material for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15821-9	9.5	47
29	Molybdenum dioxide hollow microspheres for cathode material in rechargeable hybrid battery using magnesium anode. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 3347-3353	2.6	29
28	Surgical suture inspired wire microelectrodes implant for enhancing functional electrical stimulation. <i>Microsystem Technologies</i> , 2015 , 21, 611-617	1.7	
27	Highly Reversible Lithium-ions Storage of Molybdenum Dioxide Nanoplates for High Power Lithium-ion Batteries. <i>ChemSusChem</i> , 2015 , 8, 2621-4	8.3	8

26	Nanoporous silicon from low-cost natural clinoptilolite for lithium storage. <i>RSC Advances</i> , 2015 , 5, 56772-56779	3.7	9
25	High concentration magnesium borohydride/tetraglyme electrolyte for rechargeable magnesium batteries. <i>Journal of Power Sources</i> , 2015 , 276, 255-261	8.9	45
24	Towards a safe lithium-sulfur battery with a flame-inhibiting electrolyte and a sulfur-based composite cathode. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 10099-104	16.4	137
23	TPPi as a flame retardant for rechargeable lithium batteries with sulfur composite cathodes. <i>Chemical Communications</i> , 2014 , 50, 7011-3	5.8	42
22	A polyimide ion-conductive protection layer to suppress side reactions on Li ₄ Ti ₅ O ₁₂ electrodes at elevated temperature. <i>RSC Advances</i> , 2014 , 4, 10280-10283	3.7	10
21	Cu ₂ O nanowires as anode materials for Li-ion rechargeable batteries. <i>Science China Technological Sciences</i> , 2014 , 57, 1073-1076	3.5	7
20	A novel thiolate-based electrolyte system for rechargeable magnesium batteries. <i>Electrochimica Acta</i> , 2014 , 121, 258-263	6.7	14
19	Carbyne polysulfide as a novel cathode material for rechargeable magnesium batteries. <i>Scientific World Journal, The</i> , 2014 , 2014, 107918	2.2	12
18	Fabrication and degradation characteristic of sputtered iridium oxide neural microelectrodes for FES application 2014 ,		4
17	Towards a Safe Lithium Sulfur Battery with a Flame-Inhibiting Electrolyte and a Sulfur-Based Composite Cathode. <i>Angewandte Chemie</i> , 2014 , 126, 10263-10268	3.6	18
16	Low-cost SiO ₂ -based anode using green binders for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2013 , 17, 2461-2469	2.6	26
15	Nonflammable electrolyte for rechargeable lithium battery with sulfur based composite cathode materials. <i>Journal of Power Sources</i> , 2013 , 223, 18-22	8.9	41
14	Carbonyl-β-Cyclodextrin as a Novel Binder for Sulfur Composite Cathodes in Rechargeable Lithium Batteries. <i>Advanced Functional Materials</i> , 2013 , 23, 1194-1201	15.6	220
13	Boron-based electrolyte solutions with wide electrochemical windows for rechargeable magnesium batteries. <i>Energy and Environmental Science</i> , 2012 , 5, 9100	35.4	163
12	Facile approach to an advanced nanoporous silicon/carbon composite anode material for lithium ion batteries. <i>RSC Advances</i> , 2012 , 2, 5701	3.7	33
11	Polyacrylonitrile/graphene composite as a precursor to a sulfur-based cathode material for high-rate rechargeable LiS batteries. <i>Energy and Environmental Science</i> , 2012 , 5, 6966	35.4	415
10	Reversible Deposition and Dissolution of Magnesium from Imidazolium-Based Ionic Liquids. <i>International Journal of Electrochemistry</i> , 2012 , 2012, 1-8	2.4	11
9	A novel pyrolyzed polyacrylonitrile-sulfur@MWCNT composite cathode material for high-rate rechargeable lithium/sulfur batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6807		174

8	Electrochemical intercalation of Mg ²⁺ in 3D hierarchically porous magnesium cobalt silicate and its application as an advanced cathode material in rechargeable magnesium batteries. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12437		48
7	MgFeSiO ₄ prepared via a molten salt method as a new cathode material for rechargeable magnesium batteries. <i>Science Bulletin</i> , 2011 , 56, 386-390		48
6	Novel Three-Dimensional Mesoporous Silicon for High Power Lithium-Ion Battery Anode Material. <i>Advanced Energy Materials</i> , 2011 , 1, 1036-1039	21.8	352
5	Mesoporous magnesium manganese silicate as cathode materials for rechargeable magnesium batteries. <i>Chemical Communications</i> , 2010 , 46, 3794-6	5.8	111
4	Nanostructured NiO/C composite for lithium-ion battery anode. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1951-5	1.3	9
3	Ultra-fine porous SnO ₂ nanopowder prepared via a molten salt process: a highly efficient anode material for lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2009 , 19, 3253		102
2	Electrochemical Intercalation of Mg ²⁺ in Magnesium Manganese Silicate and Its Application as High-Energy Rechargeable Magnesium Battery Cathode. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 12594-12597	3.8	74
1	A new class of cathode materials for rechargeable magnesium batteries: Organosulfur compounds based on sulfur-sulfur bonds. <i>Electrochemistry Communications</i> , 2007 , 9, 1913-1917	5.1	120