

Yonggao Xia

List of Publications by Year in descending order

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114
papers

5,771
citations

70961

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82410

72
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all docs

119
docs citations

119
times ranked

6358
citing authors

#	ARTICLE	IF	CITATIONS
1	PEDOT:PSS for Flexible and Stretchable Electronics: Modifications, Strategies, and Applications. <i>Advanced Science</i> , 2019, 6, 1900813.	5.6	563
2	Gas-liquid interfacial modification of oxygen activity in layered oxide cathodes for lithium-ion batteries. <i>Nature Communications</i> , 2016, 7, 12108.	5.8	531
3	Nucleation of dislocations and their dynamics in layered oxide cathode materials during battery charging. <i>Nature Energy</i> , 2018, 3, 641-647.	19.8	281
4	Morphological Evolution of High-Voltage Spinel $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ Cathode Materials for Lithium-Ion Batteries: The Critical Effects of Surface Orientations and Particle Size. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4661-4675.	4.0	212
5	Abundant nanoscale defects to eliminate voltage decay in Li-rich cathode materials. <i>Energy Storage Materials</i> , 2019, 16, 220-227.	9.5	144
6	A high-capacity $\text{P2 Na}_2/3\text{Ni}_1/3\text{Mn}_2/3\text{O}_2$ cathode material for sodium ion batteries with oxygen activity. <i>Journal of Power Sources</i> , 2018, 395, 16-24.	4.0	133
7	Durable high-rate capability $\text{Na}_0.44\text{MnO}_2$ cathode material for sodium-ion batteries. <i>Nano Energy</i> , 2016, 27, 602-610.	8.2	126
8	Self-Templating Construction of 3D Hierarchical Macro-/Mesoporous Silicon from OD Silica Nanoparticles. <i>ACS Nano</i> , 2017, 11, 889-899.	7.3	100
9	Thermally boosted upconversion and downshifting luminescence in $\text{Sc}_2(\text{MoO}_4)_3\text{:Yb/Er}$ with two-dimensional negative thermal expansion. <i>Nature Communications</i> , 2022, 13, 2090.	5.8	99
10	Enhanced Electrochemical Performance with Surface Coating by Reactive Magnetron Sputtering on Lithium-Rich Layered Oxide Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 9185-9193.	4.0	98
11	Understanding and Controlling Anionic Electrochemical Activity in High-Capacity Oxides for Next Generation Li-Ion Batteries. <i>Chemistry of Materials</i> , 2017, 29, 908-915.	3.2	97
12	Electrochemical properties of $0.6\text{Li}[\text{Li}_{1/3}\text{Mn}_{2/3}]\text{O}_2 \sim 0.4\text{LiNi}_x\text{Mn}_y\text{Co}_{1-x-y}\text{O}_2$ cathode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2012, 218, 128-133.	4.0	93
13	Improving the cyclability performance of lithium-ion batteries by introducing lithium difluorophosphate (LiPO_2F_2) additive. <i>RSC Advances</i> , 2017, 7, 26052-26059.	1.7	93
14	Structure and electrochemistry of B doped $\text{Li}(\text{Li}_{0.2}\text{Ni}_{0.13}\text{Co}_{0.13}\text{Mn}_{0.54})_1\text{-B O}_2$ as cathode materials for lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 327, 273-280.	4.0	91
15	Morphology controlled synthesis and modification of high-performance LiMnPO_4 cathode materials for Li-ion batteries. <i>Journal of Materials Chemistry</i> , 2012, 22, 21144.	6.7	90
16	Synthesis process and luminescence properties of Tm^{3+} in AWO_4 (A=Ca, Sr, Ba) blue phosphors. <i>Journal of Alloys and Compounds</i> , 2009, 487, 758-762.	2.8	89
17	Synthesis and luminescence properties of $\text{Tb}^{3+}:\text{NaGd}(\text{WO}_4)_2$ novel green phosphors. <i>Journal of Luminescence</i> , 2009, 129, 668-671.	1.5	87
18	Polyimide matrix-enhanced cross-linked gel separator with three-dimensional heat-resistance skeleton for high-safety and high-power lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9134.	5.2	86

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19	Porous membrane with high curvature, three-dimensional heat-resistance skeleton: a new and practical separator candidate for high safety lithium ion battery. <i>Scientific Reports</i> , 2015, 5, 8255.	1.6	80
20	Silicon/carbon lithium-ion battery anode with 3D hierarchical macro-/mesoporous silicon network: Self-templating synthesis via magnesiothermic reduction of silica/carbon composite. <i>Journal of Power Sources</i> , 2019, 412, 93-104.	4.0	77
21	Surface structural conversion and electrochemical enhancement by heat treatment of chemical pre-delithiation processed lithium-rich layered cathode material. <i>Journal of Power Sources</i> , 2014, 268, 683-691.	4.0	74
22	Solvothermal synthesis of Fe-doping LiMnPO ₄ nanomaterials for Li-ion batteries. <i>Journal of Power Sources</i> , 2014, 248, 246-252.	4.0	72
23	Si/Ag/C Nanohybrids with <i>in Situ</i> Incorporation of Super-Small Silver Nanoparticles: Tiny Amount, Huge Impact. <i>ACS Nano</i> , 2018, 12, 861-875.	7.3	67
24	The structure, morphology, and electrochemical properties of Li _{1+x} Ni _{1/6} Co _{1/6} Mn _{4/6} O _{2.25+x/2} (0.1% \leq x \leq 0.7) cathode materials. <i>Electrochimica Acta</i> , 2012, 66, 61-66.	2.6	61
25	One-step hydrothermal method synthesis of core-shell LiNi _{0.5} Mn _{1.5} O ₄ spinel cathodes for Li-ion batteries. <i>Journal of Power Sources</i> , 2014, 256, 66-71.	4.0	61
26	A comparative study on the oxidation state of lattice oxygen among Li _{1.14} Ni _{0.136} Co _{0.136} Mn _{0.544} O ₂ , Li ₂ MnO ₃ , LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ and LiCoO ₂ for the initial charge-discharge. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11930-11939.	5.2	61
27	Structural insights into composition design of Li-rich layered cathode materials for high-energy rechargeable battery. <i>Materials Today</i> , 2021, 51, 15-26.	8.3	60
28	First observation of mutual energy transfer of Mn ⁴⁺ Er ³⁺ via different excitation in Gd ₂ ZnTiO ₆ :Mn ⁴⁺ /Er ³⁺ phosphors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 9098-9105.	2.7	57
29	Fluorinated Electrolytes for Li-Ion Batteries: The Lithium Difluoro(oxalato)borate Additive for Stabilizing the Solid Electrolyte Interphase. <i>ACS Omega</i> , 2017, 2, 8741-8750.	1.6	55
30	Photoluminescence green in microspheres of CaWO ₄ :Tb ³⁺ processed in conventional hydrothermal. <i>Optical Materials</i> , 2009, 31, 1513-1516.	1.7	53
31	Cocktail therapy towards high temperature/high voltage lithium metal battery via solvation sheath structure tuning. <i>Energy Storage Materials</i> , 2021, 38, 599-608.	9.5	53
32	Effects of Na ⁺ contents on electrochemical properties of Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O ₂ cathode materials. <i>Journal of Power Sources</i> , 2013, 240, 530-535.	4.0	52
33	New perspective to understand the effect of electrochemical prelithiation behaviors on silicon monoxide. <i>RSC Advances</i> , 2018, 8, 14473-14478.	1.7	52
34	Hydrothermal synthesis and photoluminescence of SrWO ₄ :Tb ³⁺ novel green phosphor. <i>Materials Research Bulletin</i> , 2009, 44, 1863-1866.	2.7	50
35	Synthesis of Three-Dimensional Nanoporous Li-Rich Layered Cathode Oxides for High Volumetric and Power Energy Density Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3661-3666.	4.0	50
36	Localized concentration reversal of lithium during intercalation into nanoparticles. <i>Science Advances</i> , 2018, 4, eaao2608.	4.7	50

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37	Identifying the chemical and structural irreversibility in $\text{LiNi}_{0.8}\text{Co}_{0.15}\text{Al}_{0.05}\text{O}_2$ as a model compound for classical layered intercalation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4189-4198.	5.2	48
38	Scalable in Situ Synthesis of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ /Carbon Nanohybrid with Supersmall $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Nanoparticles Homogeneously Embedded in Carbon Matrix. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2591-2602.	4.0	47
39	A 3D porous Li-rich cathode material with an in situ modified surface for high performance lithium ion batteries with reduced voltage decay. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7230-7237.	5.2	46
40	Photoluminescence properties of $\text{NaGd}(\text{MoO}_4)_2:\text{Eu}^{3+}$ nanophosphors prepared by sol-gel method. <i>Materials Research Bulletin</i> , 2010, 45, 1145-1149.	2.7	44
41	Silicon lithium-ion battery anode with enhanced performance: Multiple effects of silver nanoparticles. <i>Journal of Materials Science and Technology</i> , 2018, 34, 1902-1911.	5.6	44
42	Boosting energy efficiency of Li-rich layered oxide cathodes by tuning oxygen redox kinetics and reversibility. <i>Energy Storage Materials</i> , 2021, 35, 388-399.	9.5	42
43	Class Electrolytes Based on Fluorinated Solvents for Li-ion Batteries with Excellent Cyclability. <i>ChemElectroChem</i> , 2015, 2, 1707-1712.	1.7	41
44	Concentration-gradient $\text{LiMn}_{0.8}\text{Fe}_{0.2}\text{PO}_4$ cathode material for high performance lithium ion battery. <i>Journal of Power Sources</i> , 2016, 304, 293-300.	4.0	41
45	Microwave synthesis of spherical spinel $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ as cathode material for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2012, 518, 68-73.	2.8	40
46	From $\sim 20^\circ\text{C}$ to 150°C : a lithium secondary battery with a wide temperature window obtained via manipulated competitive decomposition in electrolyte solution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9307-9318.	5.2	40
47	Constructing durable carbon layer on $\text{LiMn}_{0.8}\text{Fe}_{0.2}\text{PO}_4$ with superior long-term cycling performance for lithium-ion battery. <i>Electrochimica Acta</i> , 2016, 191, 200-206.	2.6	39
48	Green Facile Scalable Synthesis of Titania/Carbon Nanocomposites: New Use of Old Dental Resins. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18461-18468.	4.0	38
49	Luminescence properties of monodispersed spherical $\text{BaWO}_4:\text{Eu}^{3+}$ microphosphors for white light-emitting diodes. <i>Journal of Materials Science</i> , 2011, 46, 1184-1189.	1.7	37
50	Metastability and Reversibility of Anionic Redox-Based Cathode for High-Energy Rechargeable Batteries. <i>Cell Reports Physical Science</i> , 2020, 1, 100028.	2.8	37
51	Eliminating Voltage Decay of Lithium-Rich $\text{Li}_{1.14}\text{Mn}_{0.54}\text{Ni}_{0.14}\text{Co}_{0.14}\text{O}_2$ Cathodes by Controlling the Electrochemical Process. <i>Chemistry - A European Journal</i> , 2015, 21, 7503-7510.	1.7	36
52	Facile Scalable Synthesis of TiO_2 /Carbon Nanohybrids with Ultrasmall TiO_2 Nanoparticles Homogeneously Embedded in Carbon Matrix. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24247-24255.	4.0	36
53	Silicon Oxycarbide/Carbon Nanohybrids with Tiny Silicon Oxycarbide Particles Embedded in Free Carbon Matrix Based on Photoactive Dental Methacrylates. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 13982-13992.	4.0	36
54	Oxidation Decomposition Mechanism of Fluoroethylene Carbonate-Based Electrolytes for High-Voltage Lithium Ion Batteries: A DFT Calculation and Experimental Study. <i>ChemistrySelect</i> , 2017, 2, 7353-7361.	0.7	36

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55	Photoluminescence properties of NaGd(WO ₄) ₂ :Eu ³⁺ nanocrystalline prepared by hydrothermal method. <i>Current Applied Physics</i> , 2011, 11, 503-507.	1.1	35
56	Temperature dependence of the initial coulombic efficiency in Li-rich layered Li[Li _{0.144} Ni _{0.136} Co _{0.136} Mn _{0.544}]O ₂ oxide for lithium-ions batteries. <i>Journal of Power Sources</i> , 2014, 268, 517-521.	4.0	35
57	A LiPO ₂ F ₂ /LiFSI dual-salt electrolyte enabled stable cycling of lithium metal batteries. <i>Journal of Power Sources</i> , 2018, 400, 449-456.	4.0	33
58	Double-helix-superstructure aqueous binder to boost excellent electrochemical performance in Li-rich layered oxide cathode. <i>Journal of Power Sources</i> , 2019, 420, 29-37.	4.0	32
59	Understanding the Discrepancy of Defect Kinetics on Anionic Redox in Lithium-Rich Cathode Oxides. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14023-14034.	4.0	30
60	All annealing-free solution-processed highly flexible organic solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5425-5433.	5.2	30
61	Synthesis and optimum luminescence of monodispersed spheres for BaWO ₄ -based green phosphors with doping of Tb ³⁺ . <i>Journal of Luminescence</i> , 2010, 130, 762-766.	1.5	29
62	A fast and efficient method for selective extraction of lithium from spent lithium iron phosphate battery. <i>Environmental Technology and Innovation</i> , 2021, 23, 101569.	3.0	29
63	Synthesis and electrochemical performances of (1-x)LiMnPO ₄ ·xLi ₃ V ₂ (PO ₄) ₃ /C composite cathode materials for lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 239, 144-150.	4.0	28
64	Simplified co-precipitation synthesis of spinel LiNi _{0.5} Mn _{1.5} O ₄ with improved physical and electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2014, 598, 73-78.	2.8	28
65	Regeneration of degraded Li-rich layered oxide materials through heat treatment-induced transition metal reordering. <i>Energy Storage Materials</i> , 2021, 35, 99-107.	9.5	27
66	Flexible poly(vinylidene fluoride-co-hexafluoropropylene)-based gel polymer electrolyte for high-performance lithium-ion batteries. <i>RSC Advances</i> , 2021, 11, 11943-11951.	1.7	27
67	Microwave-irradiation synthesis of Li _{1.3} Ni _x Co _y Mn _{1-x-y} O _{2.4} cathode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2012, 80, 15-21.	2.6	26
68	Dental Resin Monomer Enables Unique NbO ₂ /Carbon Lithium-Ion Battery Negative Electrode with Exceptional Performance. <i>Advanced Functional Materials</i> , 2019, 29, 1904961.	7.8	26
69	Stabilization effects of Al doping for enhanced cycling performances of Li-rich layered oxides. <i>Ceramics International</i> , 2017, 43, 13845-13852.	2.3	25
70	Rational Design and Mechanical Understanding of Three-Dimensional Macro-/Mesoporous Silicon Lithium-Ion Battery Anodes with a Tunable Pore Size and Wall Thickness. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43785-43797.	4.0	24
71	Structure-preserved 3D porous silicon/reduced graphene oxide materials as anodes for Li-ion batteries. <i>RSC Advances</i> , 2017, 7, 24305-24311.	1.7	23
72	Stable Electrode/Electrolyte Interface for High-Voltage NCM 523 Cathode Constructed by Synergistic Positive and Passive Approaches. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57107-57117.	4.0	23

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73	Microporous Binder for the Silicon-Based Lithium-Ion Battery Anode with Exceptional Rate Capability and Improved Cyclic Performance. <i>Langmuir</i> , 2020, 36, 2003-2011.	1.6	22
74	CO ₂ treatment enables non-hazardous, reliable, and efficacious recovery of spent Li(Ni _{0.5} Co _{0.2} Mn _{0.3})O ₂ cathodes. <i>Green Chemistry</i> , 2022, 24, 779-789.	4.6	22
75	Lithium Bis(fluorosulfonyl)imide/Lithium Hexafluorophosphate Binary Salt Electrolytes for Lithium Ion Batteries: Aluminum Corrosion Behaviors and Electrochemical Properties. <i>ChemistrySelect</i> , 2018, 3, 1954-1960.	0.7	21
76	Correlation between transition metal ion migration and the voltage ranges of electrochemical process for lithium-rich manganese-based material. <i>Journal of Power Sources</i> , 2015, 281, 7-10.	4.0	20
77	Surface reinforcement doping to suppress oxygen release of Li-rich layered oxides. <i>Journal of Power Sources</i> , 2021, 503, 230048.	4.0	20
78	Vacuum-Free, All-Solution, and All-Air Processed Organic Photovoltaics with over 11% Efficiency and Promoted Stability Using Layer-by-Layer Codoped Polymeric Electrodes. <i>Solar Rrl</i> , 2020, 4, 1900543.	3.1	19
79	Superior cycling performance of a sandwich structure Si/C anode for lithium ion batteries. <i>RSC Advances</i> , 2016, 6, 12107-12113.	1.7	18
80	Synthesis and luminescence properties of BaWO ₄ :Pr ³⁺ microcrystal. <i>Journal of Rare Earths</i> , 2011, 29, 623-627.	2.5	17
81	Synergistic effects from super-small sized TiO ₂ and SiO _x nanoparticles within TiO ₂ /SiO _x /carbon nanohybrid lithium-ion battery anode. <i>Ceramics International</i> , 2019, 45, 14327-14337.	2.3	17
82	A composite surface configuration towards improving cycling stability of Li-rich layered oxide materials. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24426-24437.	5.2	17
83	Electrochemical investigation of Li-excess layered oxide cathode materials/mesocarbon microbead in 18650 batteries. <i>Electrochimica Acta</i> , 2014, 123, 317-324.	2.6	15
84	Ultrafast Heterogeneous Nucleation Enables a Hierarchical Surface Configuration of Lithium-Rich Layered Oxide Cathode Material for Enhanced Electrochemical Performances. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701465.	1.9	15
85	Scalable Synthesis of Hierarchical Antimony/Carbon Micro-/Nanohybrid Lithium/Sodium-Ion Battery Anodes Based on Dimethacrylate Monomer. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 910-922.	1.5	15
86	High Pressure Effect on Structural and Electrochemical Properties of Anionic Redox-Based Lithium Transition Metal Oxides. <i>Matter</i> , 2021, 4, 164-181.	5.0	15
87	MnO/Metal/Carbon Nanohybrid Lithium Ion Battery Anode With Enhanced Electrochemical Performance: Universal Facile Scalable Synthesis and Fundamental Understanding. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900335.	1.9	14
88	Controls of oxygen-partial pressure to accelerate the electrochemical activation in Co-free Li-rich layered oxide cathodes. <i>Journal of Power Sources</i> , 2022, 523, 231022.	4.0	14
89	Role of Nickel Nanoparticles in High-Performance TiO ₂ /Ni/Carbon Nanohybrid Lithium/Sodium Ion Battery Anodes. <i>Chemistry - an Asian Journal</i> , 2019, 14, 1557-1569.	1.7	13
90	Photoluminescence properties of La _{2-x} Eux(WO ₄) ₃ red phosphor prepared by hydrothermal method. <i>Physica B: Condensed Matter</i> , 2010, 405, 3507-3511.	1.3	12

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91	Composite membrane with ultra-thin ion exchangeable functional layer: a new separator choice for manganese-based cathode material in lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7006-7013.	5.2	12
92	Sufficient Oxygen Redox Activation against Voltage Decay in Li-Rich Layered Oxide Cathode Materials. , 2021, 3, 433-441.		11
93	Synthesis and electrochemical performance of $\text{LiMn}_x\text{Fe}_y(\text{V}^{\text{a}-})_{1-x-y}\text{PO}_4$ cathode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2016, 222, 1660-1667.	2.6	10
94	$\text{SnO}_2/\text{Sn}/\text{Carbon}$ nanohybrid lithium-ion battery anode with high reversible capacity and excellent cyclic stability. <i>Nano Select</i> , 2021, 2, 642-653.	1.9	10
95	Impact of CO_2 activation on the structure, composition, and performance of Sb/C nanohybrid lithium/sodium-ion battery anodes. <i>Nanoscale Advances</i> , 2021, 3, 1942-1953.	2.2	9
96	Template-free synthesis of titania architectures with controlled morphology evolution. <i>Journal of Materials Science</i> , 2016, 51, 3941-3956.	1.7	8
97	Characterization of Li-rich layered oxides by using transmission electron microscope. <i>Green Energy and Environment</i> , 2017, 2, 174-185.	4.7	7
98	Carbon-emcoating architecture boosts lithium storage of Nb_2O_5 . <i>Science China Materials</i> , 2021, 64, 1071-1086.	3.5	7
99	Synergistic Effects of Ni^{2+} and Mn^{3+} on the Electrochemical Activation of Li_2MnO_3 in Co-Free and Ni-Poor Li-Rich Layered Cathodes. <i>ACS Applied Energy Materials</i> , 2022, 5, 9079-9089.	2.5	7
100	Confining Al-Li alloys between pre-constructed conductive buffers for advanced aluminum anodes. <i>Chemical Communications</i> , 2019, 55, 2352-2355.	2.2	6
101	Boosted efficiency of conductive metal oxide-free pervoskite solar cells using poly(3-(4-methylaminocarboxylbutyl)thiophene) buffer layers. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 284001.	1.3	6
102	Porous titania/carbon hybrid microspheres templated by in situ formed polystyrene colloids. <i>Journal of Colloid and Interface Science</i> , 2016, 469, 242-256.	5.0	5
103	$\text{Si}/\text{Cu}/\text{C}$ Nanohybrid Lithium-Ion Battery Anode with <i>In Situ</i> Incorporation of Nonagglomerated Super-Small Copper Nanoparticles Based on Epoxy Resin. <i>Energy & Fuels</i> , 2021, 35, 6250-6264.	2.5	5
104	Less is more: tiny amounts of insoluble multi-functional nanoporous additives play a big role in lithium secondary batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 8047-8058.	5.2	5
105	<i>In Situ</i> Incorporation of Super-Small Metallic High Capacity Nanoparticles and Mesoporous Structures for High-Performance $\text{TiO}_2/\text{SnO}_2/\text{Sn}/\text{Carbon}$ Nanohybrid Lithium-Ion Battery Anodes. <i>Energy Technology</i> , 2020, 8, 2000034.	1.8	4
106	<i>In Situ</i> Synthesis and Dual Functionalization of Nano Silicon Enabled by a Semisolid Lithium Rechargeable Flow Battery. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28748-28759.	4.0	3
107	Usefulness of uselessness: Teamwork of wide temperature electrolyte enables LFP/Li cells from $-40\text{ }^\circ\text{C}$ to $140\text{ }^\circ\text{C}$. <i>Electrochimica Acta</i> , 2022, 425, 140698.	2.6	3
108	Ultrafine SnO_2/Sn Nanoparticles Embedded into an <i>In Situ</i> Generated Meso-/Macroporous Carbon Matrix with a Tunable Pore Size. <i>Langmuir</i> , 2022, 38, 1689-1697.	1.6	2

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109	Enhanced rate performance of lithium-ion battery anodes using a cobalt-incorporated carbon conductive agent. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3484-3493.	3.0	2
110	Continuous fast pyrolysis synthesis of TiO ₂ /C nanohybrid lithium-ion battery anode. <i>Nano Select</i> , 2021, 2, 1770-1778.	1.9	1
111	Si/SiOC/Carbon Lithium-ion Battery Negative Electrode with Multiple Buffer Media Derived from Cross-Linked Dimethacrylate and Poly (dimethyl siloxane). <i>ChemistrySelect</i> , 2021, 6, 10348-10354.	0.7	1
112	Advanced Materials for Lithium-Ion Batteries. <i>Electrochemical Energy Storage and Conversion</i> , 2015, , 79-142.	0.0	0
113	Porous silicon derived from 130Ånm Stober silica as lithium-ion battery anode. <i>Nano Select</i> , 2021, 2, 1554-1565.	1.9	0
114	Nano Structured LiMnPO ₄ cathode Materials with High Rate Capability. <i>ECS Meeting Abstracts</i> , 2014, , .	0.0	0