

# Shuaifeng Lou

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3257841/publications.pdf>

Version: 2024-02-01

114  
papers

5,500  
citations

71061

41  
h-index

91828

69  
g-index

115  
all docs

115  
docs citations

115  
times ranked

6047  
citing authors

#	ARTICLE	IF	CITATIONS
1	Superior performance of ordered macroporous TiNb <sub>2</sub> O <sub>7</sub> anodes for lithium ion batteries: Understanding from the structural and pseudocapacitive insights on achieving high rate capability. Nano Energy, 2017, 34, 15-25.	8.2	351
2	Understanding undesirable anode lithium plating issues in lithium-ion batteries. RSC Advances, 2016, 6, 88683-88700.	1.7	292
3	Interface Issues and Challenges in All-Solid-State Batteries: Lithium, Sodium, and Beyond. Advanced Materials, 2021, 33, e2000721.	11.1	248
4	ZIF-8 with Ferrocene Encapsulated: A Promising Precursor to Single-Atom Fe Embedded Nitrogen-Doped Carbon as Highly Efficient Catalyst for Oxygen Electroreduction. Small, 2018, 14, e1704282.	5.2	202
5	Ultrahigh Mass Activity for Carbon Dioxide Reduction Enabled by Gold-Iron Core-Shell Nanoparticles. Journal of the American Chemical Society, 2017, 139, 15608-15611.	6.6	191
6	Pseudocapacitive Li <sup>+</sup> intercalation in porous Ti <sub>2</sub> Nb <sub>10</sub> O <sub>29</sub> nanospheres enables ultra-fast lithium storage. Energy Storage Materials, 2018, 11, 57-66.	9.5	163
7	High-rate capability of three-dimensionally ordered macroporous T-Nb <sub>2</sub> O <sub>5</sub> through Li <sup>+</sup> intercalation pseudocapacitance. Journal of Power Sources, 2017, 361, 80-86.	4.0	139
8	Improved electrochemical performance of micro-sized SiO <sub>2</sub> -based composite anode by prelithiation of stabilized lithium metal powder. Journal of Power Sources, 2017, 347, 170-177.	4.0	129
9	Insights into interfacial effect and local lithium-ion transport in polycrystalline cathodes of solid-state batteries. Nature Communications, 2020, 11, 5700.	5.8	122
10	Achieving long-life Prussian blue analogue cathode for Na-ion batteries via triple-cation lattice substitution and coordinated water capture. Nano Energy, 2019, 61, 201-210.	8.2	121
11	Ti-Based Oxide Anode Materials for Advanced Electrochemical Energy Storage: Lithium/Sodium Ion Batteries and Hybrid Pseudocapacitors. Small, 2019, 15, e1904740.	5.2	121
12	Enabling reliable lithium metal batteries by a bifunctional anionic electrolyte additive. Energy Storage Materials, 2018, 11, 197-204.	9.5	117
13	Facile synthesis of nanostructured TiNb <sub>2</sub> O <sub>7</sub> anode materials with superior performance for high-rate lithium ion batteries. Chemical Communications, 2015, 51, 17293-17296.	2.2	108
14	Lithium-rich Li <sub>1.2</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> Mn <sub>0.54</sub> O <sub>2</sub> oxide coated by Li <sub>3</sub> PO <sub>4</sub> and carbon nanocomposite layers as high performance cathode materials for lithium ion batteries. Journal of Materials Chemistry A, 2015, 3, 2634-2641.	5.2	103
15	A two-dimensional nitrogen-rich carbon/silicon composite as high performance anode material for lithium ion batteries. Chemical Engineering Journal, 2018, 341, 37-46.	6.6	95
16	Substrate strain tunes operando geometric distortion and oxygen reduction activity of Cu <sub>2</sub> C <sub>2</sub> single-atom sites. Nature Communications, 2021, 12, 6335.	5.8	95
17	Micro-sized spherical silicon@carbon@graphene prepared by spray drying as anode material for lithium-ion batteries. Journal of Alloys and Compounds, 2017, 723, 434-440.	2.8	89
18	Facilitating the redox reaction of polysulfides by an electrocatalytic layer-modified separator for lithium-sulfur batteries. Journal of Materials Chemistry A, 2017, 5, 10936-10945.	5.2	87

#	ARTICLE	IF	CITATIONS
19	Synergistic engineering of defects and architecture in Co <sub>3</sub> O <sub>4</sub> @C nanosheets toward Li/Na ion batteries with enhanced pseudocapacitances. <i>Nano Energy</i> , 2020, 78, 105366.	8.2	86
20	Polyvinylpyrrolidone-Coordinated Single-Site Platinum Catalyst Exhibits High Activity for Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15902-15907.	7.2	80
21	An Li-rich oxide cathode material with mosaic spinel grain and a surface coating for high performance Li-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15640.	5.2	75
22	A dual-salt coupled fluoroethylene carbonate succinonitrile-based electrolyte enables Li-metal batteries. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2066-2073.	5.2	75
23	1,3,6-Hexanetricarbonitrile as electrolyte additive for enhancing electrochemical performance of high voltage Li-rich layered oxide cathode. <i>Journal of Power Sources</i> , 2017, 361, 227-236.	4.0	68
24	Ultrathin Si Nanosheets Dispersed in Graphene Matrix Enable Stable Interface and High Rate Capability of Anode for Lithium-ion Batteries. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	67
25	Improved electrochemical performance and capacity fading mechanism of nano-sized LiMn <sub>0.9</sub> Fe <sub>0.1</sub> PO <sub>4</sub> cathode modified by polyacene coating. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1569-1579.	5.2	64
26	Ni-MOF derived NiO/C nanospheres grown in situ on reduced graphene oxide towards high performance hybrid supercapacitor. <i>Journal of Alloys and Compounds</i> , 2019, 801, 158-165.	2.8	64
27	Multi-scale Imaging of Solid-State Battery Interfaces: From Atomic Scale to Macroscopic Scale. <i>Chem</i> , 2020, 6, 2199-2218.	5.8	64
28	Pd-around-CeO <sub>2</sub> hybrid nanostructure catalyst: three-phase-transfer synthesis, electrocatalytic properties and dual promoting mechanism. <i>Journal of Materials Chemistry A</i> , 2014, 2, 1429-1435.	5.2	58
29	Inducing uniform lithium nucleation by integrated lithium-rich Li-in anode with lithiophilic 3D framework. <i>Energy Storage Materials</i> , 2020, 33, 423-431.	9.5	56
30	Intercalation pseudocapacitive electrochemistry of Nb-based oxides for fast charging of lithium-ion batteries. <i>Nano Energy</i> , 2021, 81, 105635.	8.2	52
31	A three-dimensional silicon/nitrogen-doped graphitized carbon composite as high-performance anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 777, 190-197.	2.8	51
32	Engineering of Nitrogen Coordinated Single Cobalt Atom Moieties for Oxygen Electroreduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41258-41266.	4.0	50
33	Interrelated interfacial issues between a Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> -based garnet electrolyte and Li anode in the solid-state lithium battery: a review. <i>Journal of Materials Chemistry A</i> , 2021, 9, 5952-5979.	5.2	50
34	Accelerating anodic biofilms formation and electron transfer in microbial fuel cells: Role of anionic biosurfactants and mechanism. <i>Bioelectrochemistry</i> , 2017, 117, 48-56.	2.4	49
35	In-situ thermal polymerization boosts succinonitrile-based composite solid-state electrolyte for high performance Li-metal battery. <i>Journal of Power Sources</i> , 2021, 496, 229861.	4.0	49
36	Unravelling the Interface Layer Formation and Gas Evolution/Suppression on a TiNb <sub>2</sub> O <sub>7</sub> Anode for Lithium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 27056-27062.	4.0	47

#	ARTICLE	IF	CITATIONS
37	Stable Silicon Anodes by Molecular Layer Deposited Artificial Zincone Coatings. <i>Advanced Functional Materials</i> , 2021, 31, 2010526.	7.8	46
38	Pseudocapacitive Li <sup>+</sup> storage boosts ultrahigh rate performance of structure-tailored CoFe <sub>2</sub> O <sub>4</sub> @Fe <sub>2</sub> O <sub>3</sub> hollow spheres triggered by engineered surface and near-surface reactions. <i>Nano Energy</i> , 2019, 66, 104179.	8.2	45
39	Changing of SEI Film and Electrochemical Properties about MCMB Electrodes during Long-Term Charge/Discharge Cycles. <i>Journal of the Electrochemical Society</i> , 2013, 160, A2093-A2099.	1.3	44
40	A New Anion Receptor for Improving the Interface between Lithium- and Manganese-Rich Layered Oxide Cathode and the Electrolyte. <i>Chemistry of Materials</i> , 2017, 29, 2141-2149.	3.2	44
41	Anisotropically Electrochemical-Mechanical Evolution in Solid-State Batteries and Interfacial Tailored Strategy. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18647-18653.	7.2	43
42	A quasi-solid-state Li-S battery with high energy density, superior stability and safety. <i>Journal of Materials Chemistry A</i> , 2019, 7, 6533-6542.	5.2	42
43	Amorphous carbon-encapsulated Si nanoparticles loading on MCMB with sandwich structure for lithium ion batteries. <i>Electrochimica Acta</i> , 2019, 306, 590-598.	2.6	41
44	Self-doping Ti <sub>1</sub> -Nb <sub>2</sub> O <sub>7</sub> anode material for lithium-ion battery and its electrochemical performance. <i>Journal of Alloys and Compounds</i> , 2017, 728, 534-540.	2.8	40
45	Accelerated aging and degradation mechanism of LiFePO <sub>4</sub> /graphite batteries cycled at high discharge rates. <i>RSC Advances</i> , 2018, 8, 25695-25703.	1.7	40
46	A Review of Magnesium Aluminum Chloride Complex Electrolytes for Mg Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2100650.	7.8	39
47	Lithium deposition on graphite anode during long-term cycles and the effect on capacity loss. <i>RSC Advances</i> , 2014, 4, 26335-26341.	1.7	36
48	Mild Synthesis of Pt/SnO <sub>2</sub> /Graphene Nanocomposites with Remarkably Enhanced Ethanol Electrooxidation Activity and Durability. <i>Chemistry - A European Journal</i> , 2016, 22, 193-198.	1.7	36
49	Formation of an Artificial Mg <sup>2+</sup> -Permeable Interphase on Mg Anodes Compatible with Ether and Carbonate Electrolytes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 24565-24574.	4.0	36
50	Capacity degradation mechanism and improvement actions for 4 V-class all-solid-state lithium-metal polymer batteries. <i>Chemical Engineering Journal</i> , 2020, 392, 123665.	6.6	34
51	Reversible Silicon Anodes with Long Cycles by Multifunctional Volumetric Buffer Layers. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 4093-4101.	4.0	34
52	Unraveling the Origins of the "Unreactive Core" in Conversion Electrodes to Trigger High Sodium-Ion Electrochemistry. <i>ACS Energy Letters</i> , 2019, 4, 2007-2012.	8.8	33
53	Scalable mesoporous silicon microparticles composed of interconnected nanoplates for superior lithium storage. <i>Chemical Engineering Journal</i> , 2019, 375, 121923.	6.6	32
54	Electrochemical performance degeneration mechanism of LiCoO <sub>2</sub> with high state of charge during long-term charge/discharge cycling. <i>RSC Advances</i> , 2015, 5, 81235-81242.	1.7	31

#	ARTICLE	IF	CITATIONS
55	Crystallographic engineering to reduce diffusion barrier for enhanced intercalation pseudocapacitance of TiNb <sub>2</sub> O <sub>7</sub> in fast-charging batteries. <i>Energy Storage Materials</i> , 2022, 47, 178-186.	9.5	30
56	Surface-to-Bulk Synergistic Modification of Single Crystal Cathode Enables Stable Cycling of Sulfide-Based All-Solid-State Batteries at 4.4 V. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	30
57	Improved high-voltage performance of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> cathode with Tris(2,2,2-trifluoroethyl) phosphite as electrolyte additive. <i>Electrochimica Acta</i> , 2017, 243, 72-81.	2.6	29
58	Unravelling the Enhanced High-Temperature Performance of Lithium-Rich Oxide Cathode with Methyl Diphenylphosphinite as Electrolyte Additive. <i>ChemElectroChem</i> , 2018, 5, 1569-1575.	1.7	29
59	Role of fluorine surface modification in improving electrochemical cyclability of concentration gradient Li[Ni <sub>0.73</sub> Co <sub>0.12</sub> Mn <sub>0.15</sub> ] <sub>2</sub> cathode material for Li-ion batteries. <i>RSC Advances</i> , 2016, 6, 26307-26316.	1.7	28
60	Pseudocapacitive Li <sup>+</sup> intercalation in ZnO/ZnO@C composites enables high-rate lithium-ion storage and stable cyclability. <i>Ceramics International</i> , 2017, 43, 11998-12004.	2.3	28
61	Stable silicon anodes realized by multifunctional dynamic cross-linking structure with self-healing chemistry and enhanced ionic conductivity for lithium-ion batteries. <i>Nano Energy</i> , 2022, 99, 107334.	8.2	27
62	CoS/N-doped carbon core/shell nanocrystals as an anode material for potassium-ion storage. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 27-32.	1.2	25
63	An Interphase-enhanced Liquid Na-K Anode for Dendrite-free Alkali Metal Batteries Enabled by SiCl <sub>4</sub> Electrolyte Additive. <i>Energy Storage Materials</i> , 2021, 37, 199-206.	9.5	25
64	Stable lithium anode enabled by biphasic hybrid SEI layer toward high-performance lithium metal batteries. <i>Chemical Engineering Journal</i> , 2022, 433, 133570.	6.6	24
65	High-performance carbon-coated LiMnPO <sub>4</sub> nanocomposites by facile two-step solid-state synthesis for lithium-ion battery. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 281-288.	1.2	23
66	Perovskite LaCo <sub>x</sub> Mn <sub>1-x</sub> O <sub>3</sub> with Tunable Defect and Surface Structures as Cathode Catalysts for Li <sup>+</sup> O <sub>2</sub> Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 10452-10460.	4.0	23
67	Insights into the role of oxygen functional groups and defects in the rechargeable nonaqueous Li <sup>+</sup> O <sub>2</sub> batteries. <i>Electrochimica Acta</i> , 2018, 292, 838-845.	2.6	22
68	Correlating the electrocatalytic stability of platinum monolayer catalysts with their structural evolution in the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20725-20736.	5.2	22
69	Scalable submicron/micron silicon particles stabilized in a robust graphite-carbon architecture for enhanced lithium storage. <i>Journal of Colloid and Interface Science</i> , 2019, 555, 783-790.	5.0	22
70	Improved electrochemical performance of NaAlO <sub>2</sub> -coated LiCoO <sub>2</sub> for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 1195-1201.	1.2	21
71	Enhanced electrochemical performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> through in-situ coating 70Li <sub>2</sub> S-30P <sub>2</sub> S <sub>5</sub> solid electrolyte for all-solid-state lithium batteries. <i>Journal of Alloys and Compounds</i> , 2018, 752, 8-13.	2.8	21
72	Regulating Li deposition by constructing homogeneous LiF protective layer for high-performance Li metal anode. <i>Chemical Engineering Journal</i> , 2022, 427, 131625.	6.6	21

#	ARTICLE	IF	CITATIONS
73	Poly (vinyl ethylene carbonate)-based dual-salt gel polymer electrolyte enabling high voltage lithium metal batteries. <i>Chemical Engineering Journal</i> , 2022, 437, 135419.	6.6	21
74	Carbon fibers/ZnO nanowires hybrid nanogenerator based on an insulating interface barrier. <i>RSC Advances</i> , 2017, 7, 21452-21458.	1.7	20
75	Surface nitrided and carbon coated TiNb <sub>2</sub> O <sub>7</sub> anode material with excellent performance for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155241.	2.8	20
76	Improved Electrochemical Performance of LiNi <sub>0.8</sub> Co <sub>0.15</sub> Al <sub>0.05</sub> O <sub>2</sub> Cathode Material by Coating of Graphene Nanodots. <i>Journal of the Electrochemical Society</i> , 2019, 166, A1038-A1044.	1.3	19
77	Stabilizing Lithium Metal Anode Enabled by a Natural Polymer Layer for Lithium-Sulfur Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 28252-28260.	4.0	19
78	Rapid Prediction of the Open-Circuit-Voltage of Lithium Ion Batteries Based on an Effective Voltage Relaxation Model. <i>Energies</i> , 2018, 11, 3444.	1.6	18
79	Improving electrochemical performance of Nano-Si/N-doped carbon through tuning the microstructure from two dimensions to three dimensions. <i>Electrochimica Acta</i> , 2020, 332, 135507.	2.6	18
80	Recovery Strategy and Mechanism of Aged Lithium Ion Batteries after Shallow Depth of Discharge at Elevated Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 5234-5242.	4.0	17
81	Black phosphorus-modified sulfurized polyacrylonitrile with high C-rate and cycling performance in ether-based electrolyte for lithium sulfur batteries. <i>Chemical Communications</i> , 2020, 56, 12797-12800.	2.2	15
82	Hierarchical pores from microscale to macroscale boost ultrahigh lithium intercalation pseudocapacitance of biomass carbon. <i>Journal of Energy Storage</i> , 2021, 33, 102068.	3.9	15
83	Fast lithium transport kinetics regulated by low energy-barrier Li <sub>x</sub> MnO <sub>2</sub> for long-life lithium metal batteries. <i>Energy Storage Materials</i> , 2021, 41, 1-7.	9.5	15
84	Tracking Battery Dynamics by Operando Synchrotron X-ray Imaging: Operation from Liquid Electrolytes to Solid-State Electrolytes. <i>Accounts of Materials Research</i> , 2021, 2, 1177-1189.	5.9	15
85	Interface Modifications by Tris(2,2,2-trifluoroethyl) Borate for Improving the High-Voltage Performance of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Cathode. <i>Journal of the Electrochemical Society</i> , 2017, 164, A1924-A1932.	1.3	13
86	Anisotropically Electrochemical-Mechanical Evolution in Solid-State Batteries and Interfacial Tailored Strategy. <i>Angewandte Chemie</i> , 2019, 131, 18820-18826.	1.6	12
87	Solvate ionic liquid boosting favorable interfaces kinetics to achieve the excellent performance of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anodes in Li <sub>10</sub> GeP <sub>2</sub> S <sub>12</sub> based solid-state batteries. <i>Chemical Engineering Journal</i> , 2020, 382, 123046.	6.6	12
88	Nanocable with thick active intermediate layer for stable and high-area-capacity sodium storage. <i>Nano Energy</i> , 2020, 78, 105265.	8.2	12
89	FeOF/TiO <sub>2</sub> Hetero-Nanostructures for High-Areal-Capacity Fluoride Cathodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 33803-33809.	4.0	12
90	Unraveling the advances of trace doping engineering for potassium ion battery anodes via tomography. <i>Journal of Energy Chemistry</i> , 2021, 58, 355-363.	7.1	12

#	ARTICLE	IF	CITATIONS
91	Tailoring lithium-peroxide reaction kinetics with CuN <sub>2</sub> C <sub>2</sub> single-atom moieties for lithium-oxygen batteries. <i>Nano Energy</i> , 2022, 93, 106810.	8.2	12
92	Improvement of bond strength between ZnO nanorods and carbon fibers using magnetron sputtered ZnO films as the interphase. <i>CrystEngComm</i> , 2017, 19, 868-875.	1.3	11
93	Unraveling the Relationship between Ti <sup>4+</sup> Doping and Li <sup>+</sup> Mobility Enhancement in Ti <sup>4+</sup> Doped Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> . <i>ACS Applied Energy Materials</i> , 2020, 3, 715-722.	2.5	11
94	Superior Electrochemical Performance of WNb <sub>2</sub> O <sub>8</sub> Nanorods Triggered by Ultra-Efficient Li <sup>+</sup> Diffusion. <i>ChemistrySelect</i> , 2020, 5, 1209-1213.	0.7	11
95	Toward Promising Turnkey Solution for Next-Generation Lithium Ion Batteries: Scale Preparation, Fading Analysis, and Enhanced Performance of Microsized Si/C Composites. <i>ACS Applied Energy Materials</i> , 2018, 1, 6977-6985.	2.5	10
96	Accelerated Aging Analysis on Cycle Life of LiFePO <sub>4</sub> /Graphite Batteries Based on Different Rates. <i>ChemElectroChem</i> , 2018, 5, 2301-2309.	1.7	10
97	Enhanced Methanol Oxidation in Acid Media on Pt/S, P Co-doped Graphene with 3D Porous Network Structure Engineering. <i>ChemElectroChem</i> , 2019, 6, 1157-1165.	1.7	10
98	Oxygen vacancies Nb <sub>2</sub> O <sub>5</sub> ·: Ultrastable lithium storage anode materials for advanced rechargeable batteries. <i>Applied Surface Science</i> , 2022, 600, 154068.	3.1	10
99	Evaluation of Oxygen Reduction Activity by the Thin-Film Rotating Disk Electrode Methodology: the Effects of Potentiodynamic Parameters. <i>Electrocatalysis</i> , 2016, 7, 305-316.	1.5	9
100	Interface Reinforcement of a Prussian Blue Cathode Using a Non-Flammable Co-Solvent Cresyl Diphenyl Phosphate for a High-Safety Na-Ion Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 5809-5817.	3.2	9
101	Conjugation Induced Anchoring of Ferrocene on Graphdiyne Enable Shuttle-Free Redox Mediation in Lithium-Oxygen Batteries. <i>Advanced Science</i> , 2022, 9, e2103964.	5.6	9
102	Molecular bridges stabilize lithium metal anode and solid-state electrolyte interface. <i>Chemical Engineering Journal</i> , 2022, 432, 134271.	6.6	9
103	A porous N-doped carbon aggregate as sulfur host for lithium-sulfur batteries. <i>Ionics</i> , 2019, 25, 2131-2138.	1.2	8
104	Monovacancy Coupled Pyridinic N Site Enables Surging Oxygen Reduction Activity of Metal-Free CN <sub>x</sub> Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1264-1271.	3.2	8
105	DNA Helix Structure Inspired Flexible Lithium-Ion Batteries with High Spiral Deformability and Long-Lived Cyclic Stability. <i>Nano Letters</i> , 2022, 22, 5553-5560.	4.5	8
106	Excellent room-temperature performance of lithium metal polymer battery with enhanced interfacial compatibility. <i>Electrochimica Acta</i> , 2018, 283, 1261-1268.	2.6	7
107	Synthesis of Well-Defined Pt-Based Catalysts for Methanol Oxidation Reaction Based on Electron-Hole Separation Effects. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8597-8603.	3.2	7
108	Tailoring Porous Transition Metal Oxide for High-Performance Lithium Storage. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22435-22445.	1.5	7



#	ARTICLE	IF	CITATIONS
109	Single-Atom Tailored Hierarchical Transition Metal Oxide Nanocages for Efficient Lithium Storage. <i>Small</i> , 2022, 18, e2200367.	5.2	6
110	Developing a Double Protection Strategy for High-Performance Spinel $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ Cathodes. <i>ACS Applied Energy Materials</i> , 2022, 5, 6401-6409.	2.5	6
111	An armor-like artificial solid electrolyte interphase layer for high performance lithium-sulfur batteries. <i>Applied Materials Today</i> , 2021, 24, 101108.	2.3	4
112	Insight into the Electrochemical Behaviors of $\text{NCM811} \mid \text{SiO}_2/\text{Gr}$ Pouch Battery through Thickness Variation. <i>Energy and Environmental Materials</i> , 2023, 6, .	7.3	4
113	Heterogeneous Nanostructure of Ternary PtRu-Au/C Nano-catalyst Towards Formic Acid Oxidation. <i>Electrochemistry</i> , 2017, 85, 133-135.	0.6	3
114	Electrochemical behaviors in the anode of $\text{LiCoO}_2/\text{mesocarbon}$ microbead battery and their impacts on the capacity degradation. <i>Ionics</i> , 2021, 27, 2353-2365.	1.2	2