

Huiqiao Li

List of Publications by Year in descending order

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papers

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citations

6233

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times ranked

22428
citing authors

#	ARTICLE	IF	CITATIONS
1	Ordered Whiskerlike Polyaniline Grown on the Surface of Mesoporous Carbon and Its Electrochemical Capacitance Performance. <i>Advanced Materials</i> , 2006, 18, 2619-2623.	11.1	1,033
2	Reviving Lithium-Metal Anodes for Next-Generation High-Energy Batteries. <i>Advanced Materials</i> , 2017, 29, 1700007.	11.1	908
3	Enhancing the performances of Li-ion batteries by carbon-coating: present and future. <i>Chemical Communications</i> , 2012, 48, 1201-1217.	2.2	832
4	N-doped Graphene/SnO ₂ Sandwich Paper for High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2012, 22, 2682-2690.	7.8	506
5	Ultrathin and Porous Ni ₃ S ₂ /CoNi ₂ S ₄ 3D-Network Structure for Superhigh Energy Density Asymmetric Supercapacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1700983.	10.2	498
6	Nano active materials for lithium-ion batteries. <i>Nanoscale</i> , 2010, 2, 1294.	2.8	492
7	Ultrathin SnSe ₂ Flakes Grown by Chemical Vapor Deposition for High-Performance Photodetectors. <i>Advanced Materials</i> , 2015, 27, 8035-8041.	11.1	460
8	Centimeter-Long V ₂ O ₅ Nanowires: From Synthesis to Field-Emission, Electrochemical, Electrical Transport, and Photoconductive Properties. <i>Advanced Materials</i> , 2010, 22, 2547-2552.	11.1	359
9	Two-dimensional layered nanomaterials for gas-sensing applications. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 433-451.	3.0	306
10	Tunneling Diode Based on WSe ₂ /SnS ₂ Heterostructure Incorporating High Detectivity and Responsivity. <i>Advanced Materials</i> , 2018, 30, 1703286.	11.1	293
11	Large-Size Growth of Ultrathin SnS ₂ Nanosheets and High Performance for Phototransistors. <i>Advanced Functional Materials</i> , 2016, 26, 4405-4413.	7.8	279
12	2D Layered Material-Based van der Waals Heterostructures for Optoelectronics. <i>Advanced Functional Materials</i> , 2018, 28, 1706587.	7.8	279
13	Local Charge Distribution Engineered by Schottky Heterojunctions toward Urea Electrolysis. <i>Advanced Energy Materials</i> , 2018, 8, 1801775.	10.2	266
14	Emerging in-plane anisotropic two-dimensional materials. <i>Informa-Å-Materi-Åly</i> , 2019, 1, 54-73.	8.5	247
15	A binder-free high silicon content flexible anode for Li-ion batteries. <i>Energy and Environmental Science</i> , 2020, 13, 848-858.	15.6	245
16	Doping engineering and functionalization of two-dimensional metal chalcogenides. <i>Nanoscale Horizons</i> , 2019, 4, 26-51.	4.1	238
17	Li ₃ VO ₄ : A Promising Insertion Anode Material for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2013, 3, 428-432.	10.2	225
18	2D GeP: An Unexploited Low-Symmetry Semiconductor with Strong In-Plane Anisotropy. <i>Advanced Materials</i> , 2018, 30, e1706771.	11.1	219

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19	One-dimensional CdS Nanostructures: A Promising Candidate for Optoelectronics. <i>Advanced Materials</i> , 2013, 25, 3017-3037.	11.1	212
20	Chemical Vapor Deposition Synthesis of Ultrathin Hexagonal ReSe ₂ Flakes for Anisotropic Raman Property and Optoelectronic Application. <i>Advanced Materials</i> , 2016, 28, 8296-8301.	11.1	206
21	An Autotransferable g-C ₃ N ₄ Li ⁺ Modulating Layer toward Stable Lithium Anodes. <i>Advanced Materials</i> , 2019, 31, e1900342.	11.1	205
22	Large-Area Bilayer ReS ₂ Film/Multilayer ReS ₂ Flakes Synthesized by Chemical Vapor Deposition for High Performance Photodetectors. <i>Advanced Functional Materials</i> , 2016, 26, 4551-4560.	7.8	199
23	Free-standing ultrathin lithium metal-graphene oxide host foils with controllable thickness for lithium batteries. <i>Nature Energy</i> , 2021, 6, 790-798.	19.8	198
24	Controlled Synthesis of Ultrathin 2D In ₂ S ₃ with Broadband Photoresponse by Chemical Vapor Deposition. <i>Advanced Functional Materials</i> , 2017, 27, 1702448.	7.8	194
25	A wood-polyrrole composite as a photothermal conversion device for solar evaporation enhancement. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20706-20712.	5.2	189
26	Large-scale synthesis of single-crystal hexagonal tungsten trioxide nanowires and electrochemical lithium intercalation into the nanocrystals. <i>Journal of Solid State Chemistry</i> , 2007, 180, 98-105.	1.4	186
27	Recent Progress on 2D Noble-Transition-Metal Dichalcogenides. <i>Advanced Functional Materials</i> , 2019, 29, 1904932.	7.8	186
28	Crystal organometal halide perovskites with promising optoelectronic applications. <i>Journal of Materials Chemistry C</i> , 2016, 4, 11-27.	2.7	185
29	Vertical heterostructures based on SnSe ₂ /MoS ₂ for high performance photodetectors. <i>2D Materials</i> , 2017, 4, 025048.	2.0	183
30	A Fully Transparent and Flexible Ultraviolet-Visible Photodetector Based on Controlled Electrospun ZnO-CdO Heterojunction Nanofiber Arrays. <i>Advanced Functional Materials</i> , 2015, 25, 5885-5894.	7.8	181
31	Booming Development of Group IV-VI Semiconductors: Fresh Blood of 2D Family. <i>Advanced Science</i> , 2016, 3, 1600177.	5.6	181
32	Layered phosphorus-like GeP ₅ : a promising anode candidate with high initial coulombic efficiency and large capacity for lithium ion batteries. <i>Energy and Environmental Science</i> , 2015, 8, 3629-3636.	15.6	179
33	Schottky Heterojunction Nanosheet Array Achieving High-Current-Density Oxygen Evolution for Industrial Water Splitting Electrolyzers. <i>Advanced Energy Materials</i> , 2021, 11, 2102353.	10.2	177
34	Few-layered PtS ₂ Phototransistor on h-BN with High Gain. <i>Advanced Functional Materials</i> , 2017, 27, 1701011.	7.8	176
35	Electrochemical properties of an ordered mesoporous carbon prepared by direct tri-constituent co-assembly. <i>Carbon</i> , 2007, 45, 2628-2635.	5.4	171
36	2D layered group IIIA metal chalcogenides: synthesis, properties and applications in electronics and optoelectronics. <i>CrystEngComm</i> , 2016, 18, 3968-3984.	1.3	171

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37	High-surface vanadium oxides with large capacities for lithium-ion batteries: from hydrated aerogel to nanocrystalline VO ₂ (B), V ₆ O ₁₃ and V ₂ O ₅ . <i>Journal of Materials Chemistry</i> , 2011, 21, 10999.	6.7	166
38	High-performance Solar-blind Deep Ultraviolet Photodetector Based on Individual Single-crystalline Zn ₂ GeO ₄ Nanowire. <i>Advanced Functional Materials</i> , 2016, 26, 704-712.	7.8	163
39	Antimony-based materials as promising anodes for rechargeable lithium-ion and sodium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2018, 2, 437-455.	3.2	163
40	Highly Anisotropic GeSe Nanosheets for Phototransistors with Ultrahigh Photoresponsivity. <i>Advanced Science</i> , 2018, 5, 1800478.	5.6	163
41	Revealing the conversion mechanism of CuO nanowires during lithiation-delithiation by in situ transmission electron microscopy. <i>Chemical Communications</i> , 2012, 48, 4812.	2.2	153
42	Submillimeter 2D Bi ₂ Se ₃ Flakes toward High-performance Infrared Photodetection at Optical Communication Wavelength. <i>Advanced Functional Materials</i> , 2018, 28, 1802707.	7.8	149
43	Hierarchical micro/nano porous silicon Li-ion battery anodes. <i>Chemical Communications</i> , 2012, 48, 5079.	2.2	142
44	Decorating Perovskite Quantum Dots in TiO ₂ Nanotubes Array for Broadband Response Photodetector. <i>Advanced Functional Materials</i> , 2017, 27, 1703115.	7.8	142
45	Highly In-plane Anisotropic 2D GeAs ₂ for Polarization-sensitive Photodetection. <i>Advanced Materials</i> , 2018, 30, e1804541.	11.1	140
46	An Ordered Mesoporous Carbon with Short Pore Length and Its Electrochemical Performances in Supercapacitor Applications. <i>Journal of the Electrochemical Society</i> , 2007, 154, A731.	1.3	138
47	Cellulose-Based Hybrid Structural Material for Radiative Cooling. <i>Nano Letters</i> , 2021, 21, 397-404.	4.5	135
48	CoO octahedral nanocages for high-performance lithium ion batteries. <i>Chemical Communications</i> , 2012, 48, 4878.	2.2	130
49	A High Rate 1.2V Aqueous Sodium-ion Battery Based on All NASICON Structured NaTi ₂ (PO ₄) ₃ and Na ₃ V ₂ (PO ₄) ₃ . <i>Electrochimica Acta</i> , 2016, 196, 470-478.	2.6	130
50	Layer Structured Materials for Advanced Energy Storage and Conversion. <i>Small</i> , 2017, 13, 1701649.	5.2	129
51	ZnSe nanostructures: Synthesis, properties and applications. <i>Progress in Materials Science</i> , 2016, 83, 472-535.	16.0	128
52	2D Metal Chalcogenides for IR Photodetection. <i>Small</i> , 2019, 15, e1901347.	5.2	121
53	Self-stacked Co ₃ O ₄ nanosheets for high-performance lithium ion batteries. <i>Chemical Communications</i> , 2011, 47, 12280.	2.2	119
54	Strong In-plane Anisotropies of Optical and Electrical Response in Layered Dimetal Chalcogenide. <i>ACS Nano</i> , 2017, 11, 10264-10272.	7.3	116

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55	2D Ternary Chalcogenides. <i>Advanced Optical Materials</i> , 2018, 6, 1800058.	3.6	114
56	High performance near-infrared photodetectors based on ultrathin SnS nanobelts grown via physical vapor deposition. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2111-2116.	2.7	113
57	Ternary Ta ₂ NiSe ₅ Flakes for a High-Performance Infrared Photodetector. <i>Advanced Functional Materials</i> , 2016, 26, 8281-8289.	7.8	112
58	Modulation of Molecular Spatial Distribution and Chemisorption with Perforated Nanosheets for Ethanol Electrooxidation. <i>Advanced Materials</i> , 2019, 31, e1900528.	11.1	111
59	Multi-heteroatom self-doped porous carbon derived from swim bladders for large capacitance supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15006-15014.	5.2	108
60	An anticorrosive zinc metal anode with ultra-long cycle life over one year. <i>Energy and Environmental Science</i> , 2022, 15, 1638-1646.	15.6	107
61	Rechargeable Ni-Li Battery Integrated Aqueous/Nonaqueous System. <i>Journal of the American Chemical Society</i> , 2009, 131, 15098-15099.	6.6	105
62	Ultrathin Non-van der Waals Magnetic Rhombohedral Cr ₂ S ₃ : Space-Confined Chemical Vapor Deposition Synthesis and Raman Scattering Investigation. <i>Advanced Functional Materials</i> , 2019, 29, 1805880.	7.8	103
63	A competitive candidate material for aqueous supercapacitors: High surface-area graphite. <i>Journal of Power Sources</i> , 2008, 185, 1557-1562.	4.0	101
64	Single-crystal H ₂ V ₃ O ₈ nanowires: a competitive anode with large capacity for aqueous lithium-ion batteries. <i>Journal of Materials Chemistry</i> , 2011, 21, 1780-1787.	6.7	100
65	Highly Porous Carbon with Graphene Nanoplatelet Microstructure Derived from Biomass Waste for High-Performance Supercapacitors in Universal Electrolyte. <i>Advanced Sustainable Systems</i> , 2017, 1, 1600011.	2.7	98
66	Highly reversible sodium storage in a GeP ₅ /C composite anode with large capacity and low voltage. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4413-4420.	5.2	97
67	Ultrathin 2D GeSe ₂ Rhombic Flakes with High Anisotropy Realized by Van der Waals Epitaxy. <i>Advanced Functional Materials</i> , 2017, 27, 1703858.	7.8	95
68	Two-dimensional inorganic molecular crystals. <i>Nature Communications</i> , 2019, 10, 4728.	5.8	91
69	Vacancy-Rich Ni(OH) ₂ Drives the Electrooxidation of Amino C-N Bonds to Nitrile C=N Bonds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16974-16981.	7.2	91
70	Strategies on Phase Control in Transition Metal Dichalcogenides. <i>Advanced Functional Materials</i> , 2018, 28, 1802473.	7.8	90
71	Liquid-Alloy-Assisted Growth of 2D Ternary Ga ₂ In ₄ S ₉ toward High-Performance UV Photodetection. <i>Advanced Materials</i> , 2019, 31, e1806306.	11.1	90
72	Fabrication of FePO ₄ layer coated LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ : Towards high-performance cathode materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2012, 83, 253-258.	2.6	89

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73	The Development of a New Type of Rechargeable Batteries Based on Hybrid Electrolytes. <i>ChemSusChem</i> , 2010, 3, 1009-1019.	3.6	88
74	Nanostructured Materials and Architectures for Advanced Infrared Photodetection. <i>Advanced Materials Technologies</i> , 2017, 2, 1700005.	3.0	87
75	PEDOT modified LiNi 1/3 Co 1/3 Mn 1/3 O 2 with enhanced electrochemical performance for lithium ion batteries. <i>Journal of Power Sources</i> , 2013, 243, 374-380.	4.0	86
76	Recent progress in solid-state electrolytes for alkali-ion batteries. <i>Science Bulletin</i> , 2017, 62, 1473-1490.	4.3	86
77	Self-Limited Epitaxial Growth of Ultrathin Nonlayered CdS Flakes for High-Performance Photodetectors. <i>Advanced Functional Materials</i> , 2018, 28, 1800181.	7.8	86
78	Halide-Induced Self-Limited Growth of Ultrathin Nonlayered Ge Flakes for High-Performance Phototransistors. <i>Journal of the American Chemical Society</i> , 2018, 140, 12909-12914.	6.6	85
79	A Hybrid Electrochemical Supercapacitor Based on a 5 V Li-Ion Battery Cathode and Active Carbon. <i>Electrochemical and Solid-State Letters</i> , 2005, 8, A433.	2.2	83
80	2D CoOOH Sheet-Encapsulated Ni2P into Tubular Arrays Realizing 1000 A cm ⁻² -Level-Current-Density Hydrogen Evolution Over 100 h in Neutral Water. <i>Nano-Micro Letters</i> , 2020, 12, 140.	14.4	83
81	Flexible Wire-Shaped Supercapacitors in Parallel Double Helix Configuration with Stable Electrochemical Properties under Static/Dynamic Bending. <i>Small</i> , 2016, 12, 1024-1033.	5.2	81
82	Generalized Self-Doping Engineering towards Ultrathin and Large-Sized Two-Dimensional Homologous Perovskites. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14893-14897.	7.2	81
83	A Ternary Solvent Method for Large-Sized Two-Dimensional Perovskites. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2390-2394.	7.2	80
84	Achieving Uniform Monolayer Transition Metal Dichalcogenides Film on Silicon Wafer via Silanization Treatment: A Typical Study on WS ₂ . <i>Advanced Materials</i> , 2017, 29, 1603550.	11.1	77
85	High performance LiNi _{0.5} Mn _{1.5} O ₄ cathode by Al-coating and Al ³⁺ -doping through a physical vapor deposition method. <i>Electrochimica Acta</i> , 2016, 191, 237-246.	2.6	76
86	Space-confined vapor deposition synthesis of two dimensional materials. <i>Nano Research</i> , 2018, 11, 2909-2931.	5.8	76
87	Scalable production of self-supported WS ₂ /CNFs by electrospinning as the anode for high-performance lithium-ion batteries. <i>Science Bulletin</i> , 2016, 61, 227-235.	4.3	74
88	Design of Gold Hollow Nanorods with Controllable Aspect Ratio for Multimodal Imaging and Combined Chemo-Photothermal Therapy in the Second Near-Infrared Window. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 36703-36710.	4.0	74
89	The rising zinc anodes for high-energy aqueous batteries. <i>EnergyChem</i> , 2021, 3, 100052.	10.1	74
90	Improvement of electrochemical properties of LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ by coating with V ₂ O ₅ layer. <i>Journal of Alloys and Compounds</i> , 2013, 552, 76-82.	2.8	73

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91	Enhancing the performance of Li_3VO_4 by combining nanotechnology and surface carbon coating for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11253-11260.	5.2	73
92	Active and conductive layer stacked superlattices for highly selective CO_2 electroreduction. <i>Nature Communications</i> , 2022, 13, 2039.	5.8	69
93	On-chip electrocatalytic microdevice: an emerging platform for expanding the insight into electrochemical processes. <i>Chemical Society Reviews</i> , 2020, 49, 2916-2936.	18.7	68
94	Redox Mediator-Enhanced Electrochemical Capacitors: Recent Advances and Future Perspectives. <i>ChemSusChem</i> , 2019, 12, 1118-1132.	3.6	67
95	In Situ Phase Separation into Coupled Interfaces for Promoting CO_2 Electroreduction to Formate over a Wide Potential Window. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22940-22947.	7.2	67
96	In Situ Halogen Ion Leaching Regulates Multiple Sites on Tandem Catalysts for Efficient CO_2 Electroreduction to C_2^+ Products. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	67
97	Fabrication of vertically aligned single-crystalline lanthanum hexaboride nanowire arrays and investigation of their field emission. <i>NPG Asia Materials</i> , 2013, 5, e53-e53.	3.8	66
98	Salt-assisted chemical vapor deposition of two-dimensional materials. <i>Science China Chemistry</i> , 2019, 62, 1300-1311.	4.2	66
99	2D Homojunctions for Electronics and Optoelectronics. <i>Advanced Materials</i> , 2021, 33, e2005303.	11.1	66
100	Generalized Self-Doping Engineering towards Ultrathin and Large-Sized Two-Dimensional Homologous Perovskites. <i>Angewandte Chemie</i> , 2017, 129, 15089-15093.	1.6	65
101	Space-Confining Synthesis of 2D All-Inorganic CsPbI_3 Perovskite Nanosheets for Multiphoton-Pumped Lasing. <i>Advanced Optical Materials</i> , 2018, 6, 1800879.	3.6	65
102	Sub-Millimeter-Scale Monolayer p-Type Hf_2S_2 . <i>Advanced Functional Materials</i> , 2020, 30, 2000240.	7.8	64
103	Self-supported Zn_3P_2 nanowire arrays grafted on carbon fabrics as an advanced integrated anode for flexible lithium ion batteries. <i>Nanoscale</i> , 2016, 8, 8666-8672.	2.8	63
104	Inversion Symmetry Broken 2D 3R-MoTe_2 . <i>Advanced Functional Materials</i> , 2018, 28, 1800785.	7.8	63
105	Development and perspective of the insertion anode Li_3VO_4 for lithium-ion batteries. <i>Energy Storage Materials</i> , 2017, 7, 17-31.	9.5	61
106	Direct conversion of waste tires into three-dimensional graphene. <i>Energy Storage Materials</i> , 2019, 23, 499-507.	9.5	61
107	Synthesis of high efficient Cu/TiO_2 photocatalysts by grinding and their size-dependent photocatalytic hydrogen production. <i>Applied Surface Science</i> , 2017, 409, 241-249.	3.1	60
108	Healable Structure Triggered by Thermal/Electrochemical Force in Layered GeSe_2 for High Performance Li-ion Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1703635.	10.2	59

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109	Electrochemical Double-Layer Capacitor Energized by Adding an Ambipolar Organic Redox Radical into the Electrolyte. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8214-8218.	7.2	59
110	Smart supercapacitors with deformable and healable functions. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16-30.	5.2	58
111	Artificial Wooden Nacre: A High Specific Strength Engineering Material. <i>ACS Nano</i> , 2020, 14, 2036-2043.	7.3	57
112	A hybrid nonaqueous electrochemical supercapacitor using nano-sized iron oxyhydroxide and activated carbon. <i>Journal of Solid State Electrochemistry</i> , 2006, 10, 405-410.	1.2	56
113	Miniature Hollow Gold Nanorods with Enhanced Effect for In Vivo Photoacoustic Imaging in the NIR-II Window. <i>Small</i> , 2020, 16, e2002748.	5.2	56
114	Strain Driven Spectral Broadening of Pb Ion Exchanged CdS Nanowires. <i>Small</i> , 2016, 12, 874-881.	5.2	55
115	1T ₂ -MoTe ₂ -Based On-Chip Electrocatalytic Microdevice: A Platform to Unravel Oxidation-Dependent Electrocatalysis. <i>CCS Chemistry</i> , 2019, 1, 396-406.	4.6	55
116	Excellent Field-Emission Performances of Neodymium Hexaboride (NdB ₆) Nanoneedles with Ultra-Low Work Functions. <i>Advanced Functional Materials</i> , 2013, 23, 5038-5048.	7.8	54
117	Facile synthesis and electrochemical properties of nanoflake VN for supercapacitors. <i>CrystEngComm</i> , 2016, 18, 3040-3047.	1.3	53
118	One-pot synthesis of Li ₃ VO ₄ @C nanofibers by electrospinning with enhanced electrochemical performance for lithium-ion batteries. <i>Science Bulletin</i> , 2017, 62, 1081-1088.	4.3	53
119	PMMA-assisted Li deposition towards 3D continuous dendrite-free lithium anode. <i>Energy Storage Materials</i> , 2019, 16, 203-211.	9.5	53
120	Ultrafine potassium titanate nanowires: a new Ti-based anode for sodium ion batteries. <i>Chemical Communications</i> , 2016, 52, 6229-6232.	2.2	52
121	Emerging two-dimensional bismuth oxychalcogenides for electronics and optoelectronics. <i>Informa Materials</i> , 2021, 3, 1251-1271.	8.5	51
122	Alkali metal boosted atom rearrangement in amorphous carbon towards crystalline graphitic belt skeleton for high performance supercapacitors. <i>Energy Storage Materials</i> , 2018, 15, 82-90.	9.5	50
123	Single Additive with Dual Functional-Ions for Stabilizing Lithium Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11360-11368.	4.0	49
124	Ultrahigh-Current-Density and Long-Term-Durability Electrocatalysts for Water Splitting. <i>Small</i> , 2022, 18, e2104513.	5.2	49
125	Van der Waals 2D Transition Metal Tellurides. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900741.	1.9	48
126	Functional α -Janus-Annulus in Confined Channels. <i>Advanced Materials</i> , 2016, 28, 460-465.	11.1	47

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127	Probing the capacity loss of Li ₃ VO ₄ anode upon Li insertion and extraction. <i>Journal of Power Sources</i> , 2017, 348, 48-56.	4.0	47
128	LISICON structured Li ₃ V ₂ (PO ₄) ₃ with high rate and ultralong life for low-temperature lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9737-9746.	5.2	44
129	Synthesis and investigation of layered GeS as a promising large capacity anode with low voltage and high efficiency in full-cell Li-ion batteries. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1607-1614.	3.2	43
130	Hand-drawing patterned ultra-thin integrated electrodes for flexible micro supercapacitors. <i>Energy Storage Materials</i> , 2018, 11, 144-151.	9.5	43
131	Air sensitivity of electrode materials in Li/Na ion batteries: Issues and strategies. <i>InformaÅnÅ-MateriÅly</i> , 2022, 4, .	8.5	43
132	A high strength, anti-corrosion and sustainable separator for aqueous zinc-based battery by natural bamboo cellulose. <i>Energy Storage Materials</i> , 2022, 48, 191-191.f6.	9.5	43
133	A New Triclinic Phase Na ₂ Ti ₃ O ₇ Anode for Sodium-Ion Battery. <i>Advanced Functional Materials</i> , 2020, 30, 2003733.	7.8	42
134	Salt-Assisted Growth of P-type Cu ₉ S ₅ Nanoflakes for P-N Heterojunction Photodetectors with High Responsivity. <i>Advanced Functional Materials</i> , 2020, 30, 1908382.	7.8	40
135	2D Inorganic Bimolecular Crystals with Strong In-Plane Anisotropy for Second-Order Nonlinear Optics. <i>Advanced Materials</i> , 2020, 32, e2003146.	11.1	40
136	Air Sensitivity and Degradation Evolution of Halide Solid State Electrolytes upon Exposure. <i>Advanced Functional Materials</i> , 2022, 32, 2108805.	7.8	40
137	A study of nitroxide polyradical/activated carbon composite as the positive electrode material for electrochemical hybrid capacitor. <i>Electrochimica Acta</i> , 2007, 52, 2153-2157.	2.6	39
138	Polyallene with pendant nitroxyl radicals. <i>Polymer</i> , 2008, 49, 3393-3398.	1.8	39
139	One-step synthesis of p-type GaSe nanoribbons and their excellent performance in photodetectors and phototransistors. <i>Journal of Materials Chemistry C</i> , 2016, 4, 7817-7823.	2.7	39
140	Approaching ohmic contact to two-dimensional semiconductors. <i>Science Bulletin</i> , 2019, 64, 1426-1435.	4.3	39
141	Phase-Engineered Synthesis of Ultrathin Hexagonal and Monoclinic GaTe Flakes and Phase Transition Study. <i>Advanced Functional Materials</i> , 2019, 29, 1901012.	7.8	39
142	On-site building of a Zn ²⁺ -conductive interfacial layer via short-circuit energization for stable Zn anode. <i>Science Bulletin</i> , 2021, 66, 545-552.	4.3	39
143	Asymmetric Behavior of Positive and Negative Electrodes in Carbon/Carbon Supercapacitors and Its Underlying Mechanism. <i>Journal of Physical Chemistry C</i> , 2016, 120, 24675-24681.	1.5	38
144	Multishell Precursors Facilitated Synthesis of Concentration-Gradient Nickel-Rich Cathodes for Long-Life and High-Rate Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24508-24515.	4.0	38

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145	Flowerlike Vanadium Sesquioxide: Solvothermal Preparation and Electrochemical Properties. <i>ChemPhysChem</i> , 2010, 11, 3273-3280.	1.0	37
146	Si Doping Mediated Phase Control from Li_2VO_4 to Li_3VO_4 toward Smoothing Li Insertion/Extraction. <i>Advanced Energy Materials</i> , 2018, 8, 1701621.	10.2	37
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