

Cheng-Hao Yang

List of Publications by Citations

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158
papers

8,680
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54
h-index

87
g-index

162
ext. papers

10,489
ext. citations

11.2
avg, IF

6.5
L-index

#	Paper	IF	Citations
158	SnS nanoparticles electrostatically anchored on three-dimensional N-doped graphene as an active and durable anode for sodium-ion batteries. <i>Energy and Environmental Science</i> , 2017 , 10, 1757-1763	35.4	345
157	Enhancing Sodium Ion Battery Performance by Strongly Binding Nanostructured SbS on Sulfur-Doped Graphene Sheets. <i>ACS Nano</i> , 2016 , 10, 10953-10959	16.7	293
156	Nanoscale Surface Modification of Lithium-Rich Layered-Oxide Composite Cathodes for Suppressing Voltage Fade. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13058-62	16.4	277
155	Dramatically enhanced reversibility of Li ₂ O in SnO ₂ -based electrodes: the effect of nanostructure on high initial reversible capacity. <i>Energy and Environmental Science</i> , 2016 , 9, 595-603	35.4	257
154	Stabilizing the Nanostructure of SnO Anodes by Transition Metals: A Route to Achieve High Initial Coulombic Efficiency and Stable Capacities for Lithium Storage. <i>Advanced Materials</i> , 2017 , 29, 1605006	24	246
153	Sulfur-tolerant redox-reversible anode material for direct hydrocarbon solid oxide fuel cells. <i>Advanced Materials</i> , 2012 , 24, 1439-43	24	220
152	V ₅ S ₈ /graphite hybrid nanosheets as a high rate-capacity and stable anode material for sodium-ion batteries. <i>Energy and Environmental Science</i> , 2017 , 10, 107-113	35.4	219
151	Construction of MoS ₂ /C Hierarchical Tubular Heterostructures for High-Performance Sodium Ion Batteries. <i>ACS Nano</i> , 2018 , 12, 12578-12586	16.7	188
150	A New rGO-Overcoated Sb ₂ Se ₃ Nanorods Anode for Na ⁺ Battery: In Situ X-Ray Diffraction Study on a Live Sodiation/Desodiation Process. <i>Advanced Functional Materials</i> , 2017 , 27, 1606242	15.6	184
149	Mechanistic Origin of the High Performance of Yolk@Shell BiS@N-Doped Carbon Nanowire Electrodes. <i>ACS Nano</i> , 2018 , 12, 12597-12611	16.7	166
148	A robust and active hybrid catalyst for facile oxygen reduction in solid oxide fuel cells. <i>Energy and Environmental Science</i> , 2017 , 10, 964-971	35.4	145
147	In situ fabrication of CoFe alloy nanoparticles structured (Pr _{0.4} Sr _{0.6}) ₃ (Fe _{0.85} Nb _{0.15}) ₂ O ₇ ceramic anode for direct hydrocarbon solid oxide fuel cells. <i>Nano Energy</i> , 2015 , 11, 704-710	17.1	142
146	Fabrication of SnS/MnSnS/Carbon Heterostructures for Sodium-Ion Batteries with High Initial Coulombic Efficiency and Cycling Stability. <i>ACS Nano</i> , 2019 , 13, 3666-3676	16.7	136
145	Perovskite Sr ₂ Fe _{1.5} Mo _{0.5} O ₆ as electrode materials for symmetrical solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 10039-10044	6.7	130
144	Chemically activated hollow carbon nanospheres as a high-performance anode material for potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24317-24323	13	129
143	A highly active, CO ₂ -tolerant electrode for the oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2018 , 11, 2458-2466	35.4	127
142	In situ X-ray diffraction characterization of NiSe ₂ as a promising anode material for sodium ion batteries. <i>Journal of Power Sources</i> , 2017 , 343, 483-491	8.9	125

141	Concentration-dependent near-infrared quantum cutting in GdBO ₃ :Tb ³⁺ ,Yb ³⁺ nanophosphors. <i>Applied Physics Letters</i> , 2007 , 90, 061914	3.4	125
140	Heterostructured Nanocube-Shaped Binary Sulfide (SnCo)S ₂ Interlaced with S-Doped Graphene as a High-Performance Anode for Advanced Na ⁺ Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1807974	15.6	118
139	A Highly Efficient Multi-phase Catalyst Dramatically Enhances the Rate of Oxygen Reduction. <i>Joule</i> , 2018 , 2, 938-949	27.8	117
138	MoS ₂ encapsulated SnO ₂ -SnS/C nanosheets as a high performance anode material for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2017 , 316, 393-400	14.7	115
137	Self-Stabilized and Strongly Adhesive Supramolecular Polymer Protective Layer Enables Ultrahigh-Rate and Large-Capacity Lithium-Metal Anode. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2055-2060	16.4	113
136	Nitrogen-doped bamboo-like carbon nanotubes as anode material for high performance potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15162-15169	13	113
135	A robust sulfur host with dual lithium polysulfide immobilization mechanism for long cycle life and high capacity Li-S batteries. <i>Energy Storage Materials</i> , 2019 , 16, 344-353	19.4	109
134	MoS ₂ -covered SnS nanosheets as anode material for lithium-ion batteries with high capacity and long cycle life. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 592-598	13	109
133	Recent progress in the design of metal sulfides as anode materials for sodium ion batteries. <i>Energy Storage Materials</i> , 2019 , 22, 66-95	19.4	96
132	Cooperative quantum cutting in one-dimensional (YbxGd1-x)Al ₃ (BO ₃) ₄ :Tb ³⁺ nanorods. <i>Applied Physics Letters</i> , 2007 , 90, 021107	3.4	95
131	High pyridine N-doped porous carbon derived from metal-organic frameworks for boosting potassium-ion storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17959-17966	13	95
130	High temperature solid oxide electrolysis cell employing porous structured (La _{0.75} Sr _{0.25}) _{0.95} MnO ₃ with enhanced oxygen electrode performance. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 3221-3226	6.7	89
129	Heterointerface Engineering of Hierarchical Bi ₂ S ₃ /MoS ₂ with Self-Generated Rich Phase Boundaries for Superior Sodium Storage Performance. <i>Advanced Functional Materials</i> , 2020 , 30, 1910732	15.6	87
128	N/S codoped carbon microboxes with expanded interlayer distance toward excellent potassium storage. <i>Chemical Engineering Journal</i> , 2019 , 358, 1147-1154	14.7	84
127	Design of TiO ₂ @C hierarchical tubular heterostructures for high performance potassium ion batteries. <i>Nano Energy</i> , 2019 , 59, 582-590	17.1	80
126	Surface Modification of NaV(PO) ₄ by Nitrogen and Sulfur Dual-Doped Carbon Layer with Advanced Sodium Storage Property. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 13151-13162	9.5	79
125	In situ X-ray diffraction characterization of NbS ₂ nanosheets as the anode material for sodium ion batteries. <i>Journal of Power Sources</i> , 2016 , 325, 410-416	8.9	79
124	Ba _{0.9} Co _{0.7} Fe _{0.2} Nb _{0.1} O ₃ as cathode material for intermediate temperature solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2011 , 13, 882-885	5.1	76

123	A Highly Efficient and Robust Nanofiber Cathode for Solid Oxide Fuel Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1601890	21.8	75
122	Porous Co ₃ O ₄ nanofibers surface-modified by reduced graphene oxide as a durable, high-rate anode for lithium ion battery. <i>Electrochimica Acta</i> , 2017 , 228, 241-250	6.7	69
121	Rational Design of TiO-TiO Heterostructure/Polypyrrole as a Multifunctional Sulfur Host for Advanced Lithium-Sulfur Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5055-5063	9.5	69
120	One-step synthesis of architectural Ni ₃ S ₂ nanosheet-on-nanorods array for use as high-performance electrodes for supercapacitors. <i>NPG Asia Materials</i> , 2016 , 8, e300-e300	10.3	69
119	A durable, high-performance hollow-nanofiber cathode for intermediate-temperature fuel cells. <i>Nano Energy</i> , 2016 , 26, 90-99	17.1	68
118	Suppressing dendrite growth by a functional electrolyte additive for robust Li metal anodes. <i>Energy Storage Materials</i> , 2019 , 23, 701-706	19.4	67
117	Surface Amorphization of Vanadium Dioxide (B) for K-Ion Battery. <i>Advanced Energy Materials</i> , 2020 , 10, 2000717	21.8	67
116	Cu(II) Ions Induced Structural Transformation of Cobalt Selenides for Remarkable Enhancement in Oxygen/Hydrogen Electrocatalysis. <i>ACS Catalysis</i> , 2019 , 9, 10761-10772	13.1	66
115	Nanoscale gadolinium doped ceria (GDC) surface modification of Li-rich layered oxide as a high performance cathode material for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 334, 497-507	14.7	62
114	La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O ₃ as hydrogen electrode for solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 3340-3346	6.7	62
113	Effects on microstructure of NiO/SZ anode support fabricated by phase-inversion method. <i>Journal of Membrane Science</i> , 2010 , 363, 250-255	9.6	62
112	Micro-tubular solid oxide fuel cells fabricated by phase-inversion method. <i>Electrochemistry Communications</i> , 2010 , 12, 657-660	5.1	62
111	Cobalt single atoms supported on N-doped carbon as an active and resilient sulfur host for lithium-sulfur batteries. <i>Energy Storage Materials</i> , 2020 , 28, 196-204	19.4	61
110	Fe _{1-x} S@S-doped carbon core-shell heterostructured hollow spheres as highly reversible anode materials for sodium ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20229-20238	13	61
109	Characterization of infiltrated (La _{0.75} Sr _{0.25}) _{0.95} MnO ₃ as oxygen electrode for solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 5187-5193	6.7	59
108	FeSe ₂ /nitrogen-doped carbon as anode material for Potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 393, 124590	14.7	58
107	Three-dimensional (3D) flower-like MoSe ₂ /N-doped carbon composite as a long-life and high-rate anode material for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2019 , 357, 226-236	14.7	58
106	Phase transition-induced electrochemical performance enhancement of hierarchical CoCO ₃ /CoO nanostructure for pseudocapacitor electrode. <i>Nano Energy</i> , 2015 , 11, 736-745	17.1	56

105	MoS ₂ Decorated Fe ₃ O ₄ /Fe _{1-x} S _x @C Nanosheets as High-Performance Anode Materials for Lithium Ion and Sodium Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4739-4745	8.3	55
104	Performance enhancement of Ni-YSZ electrode by impregnation of Mo _{0.1} Ce _{0.9} O ₂ +□ <i>Journal of Power Sources</i> , 2012 , 204, 40-45	8.9	54
103	Fabrication and characterization of anode-supported micro-tubular solid oxide fuel cell based on BaZr _{0.1} Ce _{0.7} Y _{0.1} Yb _{0.1} O ₃ ± electrolyte. <i>Journal of Power Sources</i> , 2011 , 196, 688-691	8.9	54
102	Sb/C composite as a high-performance anode for sodium ion batteries. <i>Electrochimica Acta</i> , 2017 , 242, 159-164	6.7	52
101	In situ X-ray diffraction investigation of CoSe ₂ anode for Na-ion storage: Effect of cut-off voltage on cycling stability. <i>Electrochimica Acta</i> , 2017 , 258, 1387-1396	6.7	49
100	Enhanced white light emission from Dy ³⁺ /Ce ³⁺ codoped GdAl ₃ (BO ₃) ₄ phosphors by combustion synthesis. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007 , 137, 195-199	3.1	49
99	Scalable synthesis of FeS nanoparticles encapsulated into N-doped carbon nanosheets as a high-performance sodium-ion battery anode. <i>Nanoscale</i> , 2019 , 11, 3773-3779	7.7	48
98	Cu ₆ Sn ₅ @SnO ₂ ± nanocomposite with stable core/shell structure as a high reversible anode for Li-ion batteries. <i>Nano Energy</i> , 2015 , 18, 232-244	17.1	47
97	In Situ Fabrication of Carbon-Encapsulated FeX (X = S, Se) for Enhanced Sodium Storage. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 19040-19047	9.5	45
96	Enhancing Li-S redox kinetics by fabrication of a three dimensional Co/CoP@nitrogen-doped carbon electrocatalyst. <i>Chemical Engineering Journal</i> , 2020 , 380, 122595	14.7	45
95	A renewable natural cotton derived and nitrogen/sulfur co-doped carbon as a high-performance sodium ion battery anode. <i>Materials Today Energy</i> , 2018 , 8, 37-44	7	44
94	SnS ₂ nanoparticles anchored on three-dimensional reduced graphene oxide as a durable anode for sodium ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 339, 78-84	14.7	44
93	Facile synthesis of M-Sb (M = Ni, Sn) alloy nanoparticles embedded in N-doped carbon nanosheets as high performance anode materials for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2018 , 348, 653-660	14.7	44
92	A honeycomb-like nitrogen-doped carbon as high-performance anode for potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 384, 123328	14.7	44
91	Lithiated zinc oxide nanorod arrays on copper current collectors for robust Li metal anodes. <i>Chemical Engineering Journal</i> , 2019 , 378, 122243	14.7	43
90	BaCo _{0.7} Fe _{0.2} Nb _{0.1} O ₃ ±s cathode material for intermediate temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2011 , 196, 9164-9168	8.9	43
89	Exfoliated V ₅ S ₈ /graphite nanosheet with excellent electrochemical performance for enhanced lithium storage. <i>Chemical Engineering Journal</i> , 2017 , 320, 485-493	14.7	42
88	The effect of composite organic acid (citric acid & tartaric acid) on microstructure and electrochemical properties of Li _{1.2} Mn _{0.54} Ni _{0.13} Co _{0.13} O ₂ Li-rich layered oxides. <i>Journal of Power Sources</i> , 2017 , 346, 31-39	8.9	40

87	Surfactants assisted synthesis and electrochemical properties of nano-LiFePO ₄ /C cathode materials for low temperature applications. <i>Journal of Power Sources</i> , 2015 , 288, 337-344	8.9	40
86	Improving the Electrocatalytic Activity and Durability of the LaSrCoFeO Cathode by Surface Modification. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39785-39793	9.5	40
85	A 3D free-standing thin film based on N, P-codoped hollow carbon fibers embedded with MoP quantum dots as high efficient oxygen electrode for Li-O ₂ batteries. <i>Energy Storage Materials</i> , 2019 , 17, 226-233	19.4	39
84	La _{0.6} Sr _{1.4} MnO ₄ layered perovskite anode material for intermediate temperature solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2012 , 14, 75-77	5.1	39
83	CoSe@N-Doped Carbon Nanotubes as a Potassium-Ion Battery Anode with High Initial Coulombic Efficiency and Superior Capacity Retention. <i>ACS Nano</i> , 2021 , 15, 1121-1132	16.7	39
82	Ba _{0.9} Co _{0.5} Fe _{0.4} Nb _{0.1} O ₃ as novel oxygen electrode for solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 11572-11577	6.7	38
81	A high-performance oxygen electrode for LiO ₂ batteries: Mo ₂ C nanoparticles grown on carbon fibers. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 5690-5695	13	37
80	NiCo ₂ O ₄ @La _{0.8} Sr _{0.2} MnO ₃ core-shell structured nanorods as efficient electrocatalyst for Li O ₂ battery with enhanced performances. <i>Journal of Power Sources</i> , 2016 , 319, 19-26	8.9	37
79	Mn doped NaV ₃ (PO ₄) ₃ /C anode with high-rate and long cycle-life for sodium ion batteries. <i>Energy Storage Materials</i> , 2018 , 12, 153-160	19.4	36
78	Sn-MoS ₂ -C@C Microspheres as a Sodium-Ion Battery Anode Material with High Capacity and Long Cycle Life. <i>Chemistry - A European Journal</i> , 2017 , 23, 5051-5058	4.8	34
77	Fluorine-Doped Carbon Surface Modification of Li-Rich Layered Oxide Composite Cathodes for High Performance Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 16399-16411	8.3	34
76	High performance solid oxide electrolysis cells using Pr _{0.8} Sr _{1.2} (Co,Fe) _{0.8} Nb _{0.2} O ₄ +CoFe alloy hydrogen electrodes. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 11202-11208	6.7	33
75	Electrolysis of Carbon Dioxide in a Solid Oxide Electrolyzer with Silver-Gadolinium-Doped Ceria Cathode. <i>Journal of the Electrochemical Society</i> , 2015 , 162, F397-F402	3.9	33
74	Enhanced white light emission from GdAl ₃ (BO ₃) ₄ :Dy ³⁺ ,Ce ³⁺ nanorods. <i>Nanotechnology</i> , 2007 , 18, 145602	9.4	33
73	Co-electrolysis of H ₂ O and CO ₂ in a solid oxide electrolysis cell with hierarchically structured porous electrodes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15913-15919	13	32
72	Uniform Li deposition regulated via three-dimensional polyvinyl alcohol nanofiber networks for effective Li metal anodes. <i>Nanoscale</i> , 2018 , 10, 10018-10024	7.7	32
71	Direct-methane solid oxide fuel cells with Cu _{1.3} Mn _{1.7} O ₄ spinel internal reforming layer. <i>Electrochemistry Communications</i> , 2010 , 12, 1450-1452	5.1	32
70	A Scalable Approach for Dendrite-Free Alkali Metal Anodes via Room-Temperature Facile Surface Fluorination. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 4962-4968	9.5	32

69	Characteristics of the Hydrogen Electrode in High Temperature Steam Electrolysis Process. <i>Journal of the Electrochemical Society</i> , 2011 , 158, B1217	3.9	30
68	Sb@C/expanded graphite as high-performance anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2018 , 744, 481-486	5.7	29
67	Cooperative energy transfer and frequency upconversion in Yb ³⁺ -Tb ³⁺ and Nd ³⁺ -Yb ³⁺ -Tb ³⁺ codoped GdAl ₃ (BO ₃) ₄ phosphors. <i>Journal of Fluorescence</i> , 2007 , 17, 500-4	2.4	29
66	Direct synthesis of FeS/N-doped carbon composite for high-performance sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24702-24708	13	29
65	Synthesis of the electrochemically stable sulfur-doped bamboo charcoal as the anode material of potassium-ion batteries. <i>Journal of Power Sources</i> , 2020 , 448, 227572	8.9	28
64	Activated Amorphous Carbon With High-Porosity Derived From Camellia Pollen Grains as Anode Materials for Lithium/Sodium Ion Batteries. <i>Frontiers in Chemistry</i> , 2018 , 6, 366	5	28
63	Co-generation of electricity and chemicals from propane fuel in solid oxide fuel cells with anode containing nano-bimetallic catalyst. <i>Journal of Power Sources</i> , 2014 , 262, 421-428	8.9	27
62	N, S-codoped CNTs supported CoS nanoparticles prepared by using CdS nanorods as sulfur sources and hard templates: An efficient catalyst for reversible oxygen electrocatalysis. <i>Journal of Colloid and Interface Science</i> , 2020 , 560, 186-197	9.3	27
61	In-situ constructing Na ₃ V ₂ (PO ₄) ₂ F ₃ /carbon nanocubes for fast ion diffusion with high-performance Na ⁺ -storage. <i>Chemical Engineering Journal</i> , 2020 , 387, 123952	14.7	26
60	Dual-Strategy of Cation-Doping and Nanoengineering Enables Fast and Stable Sodium-Ion Storage in a Novel Fe/Mn-Based Layered Oxide Cathode. <i>Advanced Science</i> , 2020 , 7, 2002199	13.6	26
59	Performances of micro-tubular solid oxide cell with novel asymmetric porous hydrogen electrode. <i>Electrochimica Acta</i> , 2010 , 56, 80-84	6.7	25
58	Enabling a highly reversible conversion reaction in a lithiated nano-SnO ₂ film coated with Al ₂ O ₃ by atomic layer deposition. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 4374-4385	13	23
57	High performance intermediate temperature micro-tubular SOFCs with Ba _{0.9} Co _{0.7} Fe _{0.2} Nb _{0.1} O _{3-δ} cathode. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 15348-15353	6.7	23
56	Unravelling the electrochemical properties and thermal behavior of NaNi ₂ /3Sb ₁ /3O ₂ cathode for sodium-ion batteries by in situ X-ray diffraction investigation. <i>Electrochimica Acta</i> , 2017 , 257, 146-154	6.7	22
55	N/S Co-doped Carbon Derived From Cotton as High Performance Anode Materials for Lithium Ion Batteries. <i>Frontiers in Chemistry</i> , 2018 , 6, 78	5	22
54	Self-rising synthesis of Ni ₃ SiC cermet as anodes for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2010 , 195, 1543-1550	8.9	21
53	Carbon Nanosheets Encapsulated NiSb Nanoparticles as Advanced Anode Materials for Lithium-Ion Batteries. <i>Energy and Environmental Materials</i> , 2020 , 3, 186-191	13	20
52	Effects of testing configurations and cell geometries on the performance of a SOFC: A modeling approach. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 10495-10504	6.7	20

51	Impact of Strain-Induced Changes in Defect Chemistry on Catalytic Activity of NdNiO Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 36926-36932	9.5	20
50	Fiber-Shape NaV(PO)F@N-Doped Carbon as a Cathode Material with Enhanced Cycling Stability for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25920-25929	9.5	19
49	Intermediate temperature solid oxide fuel cells with Cu _{1.3} Mn _{1.7} O ₄ internal reforming layer. <i>Journal of Power Sources</i> , 2012 , 201, 66-71	8.9	19
48	Exploration of VPO as a new anode material for sodium-ion batteries. <i>Chemical Communications</i> , 2017 , 53, 12696-12699	5.8	19
47	Nanoscale Surface Modification of Lithium-Rich Layered-Oxide Composite Cathodes for Suppressing Voltage Fade. <i>Angewandte Chemie</i> , 2015 , 127, 13250-13254	3.6	19
46	Self-Stabilized and Strongly Adhesive Supramolecular Polymer Protective Layer Enables Ultrahigh-Rate and Large-Capacity Lithium-Metal Anode. <i>Angewandte Chemie</i> , 2020 , 132, 2071-2076	3.6	19
45	P3-type K _{0.5} Mn _{0.72} Ni _{0.15} Co _{0.13} O ₂ microspheres as cathode materials for high performance potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 392, 123735	14.7	19
44	Intermediate temperature micro-tubular SOFCs with enhanced performance and thermal stability. <i>Electrochemistry Communications</i> , 2013 , 34, 231-234	5.1	17
43	Synthesis and Application of Porous Sm _{0.2} Ce _{0.8} O _{1.9} Nanocrystal Aggregates. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 17262-17267	3.8	17
42	Ni-polymer gels-derived hollow NiSb alloy confined in 3D interconnected carbon as superior sodium-ion battery anode. <i>Electrochimica Acta</i> , 2018 , 269, 225-231	6.7	16
41	In-situ exsolved FeRu alloy nanoparticles on Ruddlesden-Popper oxides for direct hydrocarbon fuel solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 21464-21472	6.7	15
40	Investigation of A-site deficient Ba _{0.9} Co _{0.7} Fe _{0.2} Nb _{0.1} O _{3-δ} cathode for proton conducting electrolyte based solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 8431-8436	6.7	15
39	One-pot synthesis of SnS/C nanocomposites on carbon paper as a high-performance free-standing anode for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019 , 779, 67-73	5.7	14
38	Three-dimensional N-doped graphene as anode material with superior cycle stability for sodium ion batteries. <i>Materials Letters</i> , 2017 , 202, 123-126	3.3	13
37	N doped carbon coated multi-metals nanoparticles decorated perovskite as electrocatalyst for efficient hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2020 , 399, 125779	14.7	13
36	FeP-decorated N,P Codoped Carbon Synthesized via Direct Biological Recycling for Endurable Sulfur Encapsulation. <i>ACS Central Science</i> , 2020 , 6, 1827-1834	16.8	13
35	Building Hierarchical Microcubes Composed of One-Dimensional CoSe @Nitrogen-Doped Carbon for Superior Sodium Ion Batteries. <i>Chemistry - A European Journal</i> , 2020 , 26, 13716-13724	4.8	12
34	Tailoring Submicron Cobblestone-Like Carbon-Free CoSe ₂ with High Energy Density for Sodium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9558-9567	6.1	12

33	Hierarchical Nitrogen-Doped Porous Carbon Microspheres as Anode for High Performance Sodium Ion Batteries. <i>Frontiers in Chemistry</i> , 2019 , 7, 733	5	12
32	Ru/Nb co-doped perovskite anode: Achieving good coking resistance in hydrocarbon fuels via core-shell nanocatalysts exsolution. <i>Applied Catalysis B: Environmental</i> , 2021 , 299, 120613	21.8	12
31	Synthesis and spectroscopic properties of GdAl ₃ (BO ₃) ₄ poly-crystals codoped with Yb ³⁺ and Eu ³⁺ . <i>Journal of Fluorescence</i> , 2009 , 19, 105-9	2.4	11
30	In-situ exsolved NiFe alloy nanoparticles on Pr _{0.8} Sr _{1.2} (NiFe)O ₄ -F for direct hydrocarbon fuel solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 29407-29416	6.7	11
29	Potassium-Ion Batteries: Surface Amorphization of Vanadium Dioxide (B) for K-Ion Battery (Adv. Energy Mater. 23/2020). <i>Advanced Energy Materials</i> , 2020 , 10, 2070103	21.8	10
28	Nanoscale surface modification of P2-type Na _{0.65} [Mn _{0.70} Ni _{0.16} Co _{0.14}]O ₂ cathode material for high-performance sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 404, 126446	14.7	10
27	Nanosized CoO Loaded on Copper Foam for High-Performance, Binder-Free Lithium-Ion Batteries. <i>Nanomaterials</i> , 2018 , 8,	5.4	9
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