

# Cheng-Hao Yang

## List of Publications by Year in descending order

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161  
papers

12,227  
citations

17405

63  
h-index

29081

104  
g-index

162  
all docs

162  
docs citations

162  
times ranked

9349  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	15.6	431
2	Enhancing Sodium Ion Battery Performance by Strongly Binding Nanostructured $Sb_2S_3$ on Sulfur-Doped Graphene Sheets. <i>ACS Nano</i> , 2016, 10, 10953-10959.	7.3	344
3	Nanoscale Surface Modification of Lithium-Rich Layered Oxide Composite Cathodes for Suppressing Voltage Fade. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13058-13062.	7.2	331
4	Stabilizing the Nanostructure of $SnO_2$ 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.	11.1	306
5	Dramatically enhanced reversibility of $Li_2O$ in $SnO_2$ -based electrodes: the effect of nanostructure on high initial reversible capacity. <i>Energy and Environmental Science</i> , 2016, 9, 595-603.	15.6	300
6	$V_5S_8$ -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.	15.6	274
7	Construction of $MoS_2/C$ Hierarchical Tubular Heterostructures for High-Performance Sodium Ion Batteries. <i>ACS Nano</i> , 2018, 12, 12578-12586.	7.3	272
8	A New rGO-Coated $Sb_2Se_3$ 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.	7.8	258
9	Sulfur-Tolerant Redox-Reversible Anode Material for Direct Hydrocarbon Solid Oxide Fuel Cells. <i>Advanced Materials</i> , 2012, 24, 1439-1443.	11.1	251
10	A Highly Efficient Multi-phase Catalyst Dramatically Enhances the Rate of Oxygen Reduction. <i>Joule</i> , 2018, 2, 938-949.	11.7	221
11	Mechanistic Origin of the High Performance of Yolk@Shell $Bi_2S_3@N$ -Doped Carbon Nanowire Electrodes. <i>ACS Nano</i> , 2018, 12, 12597-12611.	7.3	213
12	Fabrication of $SnS_2/Mn_2SnS_4$ /Carbon Heterostructures for Sodium-Ion Batteries with High Initial Coulombic Efficiency and Cycling Stability. <i>ACS Nano</i> , 2019, 13, 3666-3676.	7.3	205
13	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.	15.6	204
14	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.	7.2	204
15	A highly active, $CO_2$ -tolerant electrode for the oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2018, 11, 2458-2466.	15.6	202
16	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.	5.2	174
17	In situ fabrication of CoFe alloy nanoparticles structured $(Pr_{0.4}Sr_{0.6})_3(Fe_{0.85}Nb_{0.15})_2O_7$ ceramic anode for direct hydrocarbon solid oxide fuel cells. <i>Nano Energy</i> , 2015, 11, 704-710.	8.2	173
18	Perovskite $Sr_2Fe_{1.5}Mo_{0.5}O_6$ as electrode materials for symmetrical solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10039-10044.	3.8	166

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19	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.	5.2	161
20	In situ X-ray diffraction characterization of NiSe <sub>2</sub> as a promising anode material for sodium ion batteries. <i>Journal of Power Sources</i> , 2017, 343, 483-491.	4.0	155
21	Heterostructured Nanocube-shaped Binary Sulfide (SnCo) <sub>2</sub> Interlaced with S-doped Graphene as a High-performance Anode for Advanced Na <sup>+</sup> Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1807971.	7.8	154
22	Heterointerface Engineering of Hierarchical Bi <sub>2</sub> S <sub>3</sub> /MoS <sub>2</sub> with Self-generated Rich Phase Boundaries for Superior Sodium Storage Performance. <i>Advanced Functional Materials</i> , 2020, 30, 1910732.	7.8	151
23	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.	9.5	150
24	Recent progress in the design of metal sulfides as anode materials for sodium ion batteries. <i>Energy Storage Materials</i> , 2019, 22, 66-95.	9.5	149
25	Enabling high energy lithium metal batteries via single-crystal Ni-rich cathode material co-doping strategy. <i>Nature Communications</i> , 2022, 13, 2319.	5.8	143
26	MoS <sub>2</sub> -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.	5.2	142
27	MoS <sub>2</sub> encapsulated SnO <sub>2</sub> -SnS/C nanosheets as a high performance anode material for lithium ion batteries. <i>Chemical Engineering Journal</i> , 2017, 316, 393-400.	6.6	136
28	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.	5.2	134
29	Concentration-dependent near-infrared quantum cutting in GdBO <sub>3</sub> :Tb <sup>3+</sup> ,Yb <sup>3+</sup> nanophosphors. <i>Applied Physics Letters</i> , 2007, 90, 061914.	1.5	131
30	Suppressing dendrite growth by a functional electrolyte additive for robust Li metal anodes. <i>Energy Storage Materials</i> , 2019, 23, 701-706.	9.5	122
31	FeSe <sub>2</sub> /nitrogen-doped carbon as anode material for Potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 393, 124590.	6.6	121
32	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.	9.5	117
33	N/S codoped carbon microboxes with expanded interlayer distance toward excellent potassium storage. <i>Chemical Engineering Journal</i> , 2019, 358, 1147-1154.	6.6	112
34	Cu(II) Ions Induced Structural Transformation of Cobalt Selenides for Remarkable Enhancement in Oxygen/Hydrogen Electrocatalysis. <i>ACS Catalysis</i> , 2019, 9, 10761-10772.	5.5	110
35	A Highly Efficient and Robust Nanofiber Cathode for Solid Oxide Fuel Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601890.	10.2	109
36	Surface Amorphization of Vanadium Dioxide (B) for K <sup>+</sup> Ion Battery. <i>Advanced Energy Materials</i> , 2020, 10, 2000717.	10.2	109

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37	High temperature solid oxide electrolysis cell employing porous structured (La <sub>0.75</sub> Sr <sub>0.25</sub> ) <sub>0.95</sub> MnO <sub>3</sub> with enhanced oxygen electrode performance. International Journal of Hydrogen Energy, 2010, 35, 3221-3226.	3.8	104
38	Cooperative quantum cutting in one-dimensional (Yb <sub>x</sub> Gd <sub>1-x</sub> )Al <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> :Tb <sup>3+</sup> nanorods. Applied Physics Letters, 2007, 90, 021107.	1.5	103
39	Surface Modification of Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> by Nitrogen and Sulfur Dual-Doped Carbon Layer with Advanced Sodium Storage Property. ACS Applied Materials & Interfaces, 2017, 9, 13151-13162.	4.0	103
40	Design of TiO <sub>2</sub> @C hierarchical tubular heterostructures for high performance potassium ion batteries. Nano Energy, 2019, 59, 582-590.	8.2	100
41	In situ X-ray diffraction characterization of NbS <sub>2</sub> nanosheets as the anode material for sodium ion batteries. Journal of Power Sources, 2016, 325, 410-416.	4.0	99
42	CoSe@N-Doped Carbon Nanotubes as a Potassium-Ion Battery Anode with High Initial Coulombic Efficiency and Superior Capacity Retention. ACS Nano, 2021, 15, 1121-1132.	7.3	98
43	A durable, high-performance hollow-nanofiber cathode for intermediate-temperature fuel cells. Nano Energy, 2016, 26, 90-99.	8.2	93
44	Three-dimensional (3D) flower-like MoSe <sub>2</sub> /N-doped carbon composite as a long-life and high-rate anode material for sodium-ion batteries. Chemical Engineering Journal, 2019, 357, 226-236.	6.6	92
45	Rational Design of TiO <sub>2</sub> Heterostructure/Polypyrrole as a Multifunctional Sulfur Host for Advanced Lithium-Sulfur Batteries. ACS Applied Materials & Interfaces, 2019, 11, 5055-5063.	4.0	91
46	Ba <sub>0.9</sub> Co <sub>0.7</sub> Fe <sub>0.2</sub> Nb <sub>0.1</sub> O <sub>3</sub> as cathode material for intermediate temperature solid oxide fuel cells. Electrochemistry Communications, 2011, 13, 882-885.	2.3	90
47	Nanoscale gadolinium doped ceria (GDC) surface modification of Li-rich layered oxide as a high performance cathode material for lithium ion batteries. Chemical Engineering Journal, 2018, 334, 497-507.	6.6	83
48	Dual-Strategy of Cation Doping and Nanoengineering Enables Fast and Stable Sodium-Ion Storage in a Novel Fe/Mn-Based Layered Oxide Cathode. Advanced Science, 2020, 7, 2002199.	5.6	83
49	Porous Co <sub>3</sub> O <sub>4</sub> nanofibers surface-modified by reduced graphene oxide as a durable, high-rate anode for lithium ion battery. Electrochimica Acta, 2017, 228, 241-250.	2.6	82
50	One-step synthesis of architectural Ni <sub>3</sub> S <sub>2</sub> nanosheet-on-nanorods array for use as high-performance electrodes for supercapacitors. NPG Asia Materials, 2016, 8, e300-e300.	3.8	80
51	Fe <sub>1-x</sub> S@S-doped carbon core-shell heterostructured hollow spheres as highly reversible anode materials for sodium ion batteries. Journal of Materials Chemistry A, 2019, 7, 20229-20238.	5.2	80
52	Effects on microstructure of NiO-YSZ anode support fabricated by phase-inversion method. Journal of Membrane Science, 2010, 363, 250-255.	4.1	78
53	Micro-tubular solid oxide fuel cells fabricated by phase-inversion method. Electrochemistry Communications, 2010, 12, 657-660.	2.3	76
54	La <sub>0.75</sub> Sr <sub>0.25</sub> Cr <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> as hydrogen electrode for solid oxide electrolysis cells. International Journal of Hydrogen Energy, 2011, 36, 3340-3346.	3.8	74

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55	A honeycomb-like nitrogen-doped carbon as high-performance anode for potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 384, 123328.	6.6	72
56	Improving the Electrocatalytic Activity and Durability of the $\text{La}_{0.6}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3-\lambda}$ Cathode by Surface Modification. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39785-39793.	4.0	71
57	$\text{MoS}_2$ Decorated $\text{Fe}_3\text{O}_4/\text{Fe}_2\text{S}_3$ Nanosheets as High-Performance Anode Materials for Lithium Ion and Sodium Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4739-4745.	3.2	70
58	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.	6.6	70
59	Characterization of infiltrated $(\text{La}_{0.75}\text{Sr}_{0.25})_{0.95}\text{MnO}_3$ as oxygen electrode for solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 5187-5193.	3.8	69
60	Fabrication and characterization of anode-supported micro-tubular solid oxide fuel cell based on $\text{BaZr}_{0.1}\text{Ce}_{0.7}\text{Y}_{0.1}\text{Yb}_{0.1}\text{O}_{3-\lambda}$ electrolyte. <i>Journal of Power Sources</i> , 2011, 196, 688-691.	4.0	68
61	Lithiated zinc oxide nanorod arrays on copper current collectors for robust Li metal anodes. <i>Chemical Engineering Journal</i> , 2019, 378, 122243.	6.6	68
62	Sb/C composite as a high-performance anode for sodium ion batteries. <i>Electrochimica Acta</i> , 2017, 242, 159-164.	2.6	67
63	Phase transition-induced electrochemical performance enhancement of hierarchical $\text{CoCO}_3/\text{CoO}$ nanostructure for pseudocapacitor electrode. <i>Nano Energy</i> , 2015, 11, 736-745.	8.2	65
64	In situ X-ray diffraction investigation of $\text{CoSe}_2$ anode for Na-ion storage: Effect of cut-off voltage on cycling stability. <i>Electrochimica Acta</i> , 2017, 258, 1387-1396.	2.6	63
65	In Situ Fabrication of Carbon-Encapsulated $\text{Fe}_7\text{X}_8$ ( $\text{X} = \text{S}, \text{Se}$ ) for Enhanced Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 19040-19047.	4.0	63
66	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.	2.5	61
67	Performance enhancement of Ni-YSZ electrode by impregnation of $\text{Mo}_{0.1}\text{Ce}_{0.9}\text{O}_{2+\lambda}$ . <i>Journal of Power Sources</i> , 2012, 204, 40-45.	4.0	60
68	$\text{SnS}_2$ 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.	6.6	59
69	Facile synthesis of M-Sb ( $\text{M} = \text{Ni}, \text{Sn}$ ) 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.	6.6	58
70	Scalable synthesis of $\text{FeS}_2$ nanoparticles encapsulated into N-doped carbon nanosheets as a high-performance sodium-ion battery anode. <i>Nanoscale</i> , 2019, 11, 3773-3779.	2.8	58
71	Fiber-Shape $\text{Na}_3\text{V}_2(\text{PO}_4)_2\text{F}_3$ @N-Doped Carbon as a Cathode Material with Enhanced Cycling Stability for Na-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 25920-25929.	4.0	58
72	The effect of composite organic acid (citric acid & tartaric acid) on microstructure and electrochemical properties of $\text{Li}_{1.2}\text{Mn}_{0.54}\text{Ni}_{0.13}\text{Co}_{0.13}\text{O}_2$ Li-rich layered oxides. <i>Journal of Power Sources</i> , 2017, 346, 31-39.	4.0	57

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73	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 <sub>2</sub> batteries. <i>Energy Storage Materials</i> , 2019, 17, 226-233.	9.5	57
74	Cu <sub>6</sub> Sn <sub>5</sub> @SnO <sub>2</sub> /C nanocomposite with stable core/shell structure as a high reversible anode for Li-ion batteries. <i>Nano Energy</i> , 2015, 18, 232-244.	8.2	56
75	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.	4.0	56
76	Exfoliated V <sub>5</sub> S <sub>8</sub> /graphite nanosheet with excellent electrochemical performance for enhanced lithium storage. <i>Chemical Engineering Journal</i> , 2017, 320, 485-493.	6.6	55
77	Mn doped NaV <sub>3</sub> (PO <sub>4</sub> ) <sub>3</sub> /C anode with high-rate and long cycle-life for sodium ion batteries. <i>Energy Storage Materials</i> , 2018, 12, 153-160.	9.5	55
78	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.	3.2	54
79	Enhanced white light emission from Dy <sup>3+</sup> /Ce <sup>3+</sup> codoped GdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> phosphors by combustion synthesis. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 137, 195-199.	1.7	53
80	In-situ constructing Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> F <sub>3</sub> /carbon nanocubes for fast ion diffusion with high-performance Na <sup>+</sup> -storage. <i>Chemical Engineering Journal</i> , 2020, 387, 123952.	6.6	53
81	Surfactants assisted synthesis and electrochemical properties of nano-LiFePO <sub>4</sub> /C cathode materials for low temperature applications. <i>Journal of Power Sources</i> , 2015, 288, 337-344.	4.0	49
82	Metal-Organic Frameworks-Derived Nitrogen-Doped Porous Carbon Nanocubes with Embedded Co Nanoparticles as Efficient Sulfur Immobilizers for Room Temperature Sodium-Sulfur Batteries. <i>Small Methods</i> , 2021, 5, e2100455.	4.6	48
83	La <sub>0.6</sub> Sr <sub>1.4</sub> MnO <sub>4</sub> layered perovskite anode material for intermediate temperature solid oxide fuel cells. <i>Electrochemistry Communications</i> , 2012, 14, 75-77.	2.3	47
84	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.	1.3	47
85	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.	1.8	47
86	BaCo <sub>0.7</sub> Fe <sub>0.2</sub> Nb <sub>0.1</sub> O <sub>3</sub> as cathode material for intermediate temperature solid oxide fuel cells. <i>Journal of Power Sources</i> , 2011, 196, 9164-9168.	4.0	46
87	A high-performance oxygen electrode for Li-O <sub>2</sub> batteries: Mo <sub>2</sub> C nanoparticles grown on carbon fibers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5690-5695.	5.2	46
88	Uniform Li deposition regulated via three-dimensional polyvinyl alcohol nanofiber networks for effective Li metal anodes. <i>Nanoscale</i> , 2018, 10, 10018-10024.	2.8	46
89	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.	5.2	46
90	Ba <sub>0.9</sub> Co <sub>0.5</sub> Fe <sub>0.4</sub> Nb <sub>0.1</sub> O <sub>3</sub> as novel oxygen electrode for solid oxide electrolysis cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11572-11577.	3.8	45

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91	Activating Lattice Oxygen in Perovskite Oxide by B-site Cation Doping for Modulated Stability and Activity at Elevated Temperatures. <i>Advanced Science</i> , 2021, 8, e2102713.	5.6	44
92	NiCo <sub>2</sub> O <sub>4</sub> @La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> core-shell structured nanorods as efficient electrocatalyst for Li O <sub>2</sub> battery with enhanced performances. <i>Journal of Power Sources</i> , 2016, 319, 19-26.	4.0	43
93	Sb@C/expanded graphite as high-performance anode material for lithium ion batteries. <i>Journal of Alloys and Compounds</i> , 2018, 744, 481-486.	2.8	42
94	A Scalable Approach for Dendrite-Free Alkali Metal Anodes via Room-Temperature Facile Surface Fluorination. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 4962-4968.	4.0	42
95	Co-electrolysis of H <sub>2</sub> O and CO <sub>2</sub> in a solid oxide electrolysis cell with hierarchically structured porous electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15913-15919.	5.2	41
96	High performance solid oxide electrolysis cells using Pr <sub>0.8</sub> Sr <sub>1.2</sub> (Co,Fe) <sub>0.8</sub> Nb <sub>0.2</sub> O <sub>4</sub> +Co-Fe alloy hydrogen electrodes. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 11202-11208.	3.8	39
97	SnMoS <sub>2</sub> @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.	1.7	39
98	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.	1.6	39
99	P3-type K <sub>0.5</sub> Mn <sub>0.72</sub> Ni <sub>0.15</sub> Co <sub>0.13</sub> O <sub>2</sub> microspheres as cathode materials for high performance potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 392, 123735.	6.6	39
100	N, S-codoped CNTs supported Co <sub>4</sub> S <sub>3</sub> 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.	5.0	38
101	Enhanced white light emission from GdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> :Dy <sup>3+</sup> ,Ce <sup>3+</sup> -nanorods. <i>Nanotechnology</i> , 2007, 18, 145602.	1.3	35
102	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.	4.0	35
103	Direct-methane solid oxide fuel cells with Cu <sub>1.3</sub> Mn <sub>1.7</sub> O <sub>4</sub> spinel internal reforming layer. <i>Electrochemistry Communications</i> , 2010, 12, 1450-1452.	2.3	34
104	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.	1.8	34
105	Carbon Nanosheets Encapsulated NiSb Nanoparticles as Advanced Anode Materials for Lithium-Ion Batteries. <i>Energy and Environmental Materials</i> , 2020, 3, 186-191.	7.3	32
106	Nanoscale surface modification of P2-type Na <sub>0.65</sub> [Mn <sub>0.70</sub> Ni <sub>0.16</sub> Co <sub>0.14</sub> ]O <sub>2</sub> cathode material for high-performance sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2021, 404, 126446.	6.6	32
107	High performance intermediate temperature micro-tubular SOFCs with Ba <sub>0.9</sub> Co <sub>0.7</sub> Fe <sub>0.2</sub> Nb <sub>0.1</sub> O <sub>3</sub> as cathode. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 15348-15353.	3.8	31
108	Impact of Strain-Induced Changes in Defect Chemistry on Catalytic Activity of Nd <sub>2</sub> NiO <sub>4</sub> Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 36926-36932.	4.0	31



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109	Tailoring Submicron Cobblestone-Like Carbon-Free CoSe <sub>2</sub> with High Energy Density for Sodium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 9558-9567.	2.5	31
110	Ru/Nb co-doped perovskite anode: Achieving good coking resistance in hydrocarbon fuels via core-shell nanocatalysts exsolution. Applied Catalysis B: Environmental, 2021, 299, 120613.	10.8	31
111	Rational design of A-CNTs/KxMnO <sub>2</sub> and Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /MoO <sub>3</sub> free-standing hybrid films for flexible asymmetric supercapacitor. Chemical Engineering Journal, 2022, 428, 131138.	6.6	31
112	Cooperative Energy Transfer and Frequency Upconversion in Yb <sup>3+</sup> –Tb <sup>3+</sup> and Nd <sup>3+</sup> –Yb <sup>3+</sup> –Tb <sup>3+</sup> Codoped GdAl <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> Phosphors. Journal of Fluorescence, 2007, 17, 500-504.	1.3	30
113	Performances of micro-tubular solid oxide cell with novel asymmetric porous hydrogen electrode. Electrochimica Acta, 2010, 56, 80-84.	2.6	30
114	Characteristics of the Hydrogen Electrode in High Temperature Steam Electrolysis Process. Journal of the Electrochemical Society, 2011, 158, B1217.	1.3	30
115	Building Hierarchical Microcubes Composed of One-Dimensional CoSe <sub>2</sub> @Nitrogen-Doped Carbon for Superior Sodium Ion Batteries. Chemistry - A European Journal, 2020, 26, 13716-13724.	1.7	29
116	In-situ exsolved FeRu alloy nanoparticles on Ruddlesden-Popper oxides for direct hydrocarbon fuel solid oxide fuel cells. International Journal of Hydrogen Energy, 2020, 45, 21464-21472.	3.8	28
117	Effects of testing configurations and cell geometries on the performance of a SOFC: A modeling approach. International Journal of Hydrogen Energy, 2010, 35, 10495-10504.	3.8	27
118	Fe <sub>2</sub> P-decorated N,P Codoped Carbon Synthesized via Direct Biological Recycling for Endurable Sulfur Encapsulation. ACS Central Science, 2020, 6, 1827-1834.	5.3	27
119	3D porous Fluorine-Doped NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C as High-Performance Sodium-Ion battery anode with broad temperature adaptability. Chemical Engineering Journal, 2022, 430, 132710.	6.6	27
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124	Single Cobalt Atoms Decorated N-Doped Carbon Polyhedron Enabled Dendrite-Free Sodium Metal Anode. Small Methods, 2021, 5, e2100833.	4.6	25
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126	Potassium-Ion Batteries: Surface Amorphization of Vanadium Dioxide (B) for K-Ion Battery (Adv. Energy) Tj ETQq0 0 0 rgBTJ/Overlock	10.2	23



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128	Intermediate temperature micro-tubular SOFCs with enhanced performance and thermal stability. <i>Electrochemistry Communications</i> , 2013, 34, 231-234.	2.3	22
129	Investigation of A-site deficient Ba <sub>0.9</sub> Co <sub>0.7</sub> Fe <sub>0.2</sub> Nb <sub>0.1</sub> O <sub>3</sub> cathode for proton conducting electrolyte based solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 8431-8436.	3.8	21
130	N doped carbon coated multi-metals nanoparticles decorated perovskite as electrocatalyst for efficient hydrogen evolution reaction. <i>Chemical Engineering Journal</i> , 2020, 399, 125779.	6.6	21
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141	Construction of Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> /WO <sub>x</sub> heterostructures on carbon cloth for ultrahigh-mass loading flexible supercapacitor. <i>Nano Research</i> , 2022, 15, 8991-8999.	5.8	17
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