Zhenhua Wang

List of Publications by Citations

132 papers	3,126 citations	33 h-index	48 g-index
137 ext. papers	4,011 ext. citations	8.1 avg, IF	5.6 L-index

#	Paper	IF	Citations
132	Heteroatom-Doped Mesoporous Hollow Carbon Spheres for Fast Sodium Storage with an Ultralong Cycle Life. *Advanced Energy Materials*, **2019**, 9, 1900036	21.8	142
131	Electrocatalysis in Lithium Sulfur Batteries under Lean Electrolyte Conditions. *Angewandte Chemie - International Edition*, **2018**, 57, 15549-15552	16.4	130
130	A novel sintering method to obtain fully dense gadolinia doped ceria by applying a direct current. *Journal of Power Sources*, **2012**, 210, 86-91	8.9	107
129	Ultrastrong Polyoxyzole Nanofiber Membranes for Dendrite-Proof and Heat-Resistant Battery Separators. *Nano Letters*, **2016**, 16, 2981-7	11.5	97
128	Three-dimensional graphene□Co3O4 cathodes for rechargeable Li□O2 batteries. *Journal of Materials Chemistry A*, **2015**, 3, 1504-1510	13	86
127	A simply effective double-coating cathode with MnO 2 nanosheets/graphene as functionalized interlayer for high performance lithium-sulfur batteries. *Electrochimica Acta*, **2016**, 207, 198-206	6.7	74
126	Excellent microwave-absorption performances by matched magnetic□dielectric properties in double-shelled Co/C/polyaniline nanocomposites. *RSC Advances*, **2015**, 5, 40384-40392	3.7	70
125	Improved SOFC performance with continuously graded anode functional layer. *Electrochemistry Communications*, **2009**, 11, 1120-1123	5.1	70
124	Room temperature ferromagnetism in ultra-thin van der Waals crystals of 1T-CrTe2. *Nano Research*, **2020**, 13, 3358-3363	10	59
123	High rate and stable cycling of lithium-sulfur batteries with carbon fiber cloth interlayer. *Electrochimica Acta*, **2016**, 209, 691-699	6.7	59
122	Understanding the Flash Sintering of Rare-Earth-Doped Ceria for Solid Oxide□Fuel Cell. *Journal of the American Ceramic Society*, **2015**, 98, 1717-1723	3.8	55
121	Electrocatalysis in Lithium Sulfur Batteries under Lean Electrolyte Conditions. *Angewandte Chemie*, **2018**, 130, 15775-15778	3.6	55
120	Investigation into the effect of Fe-site substitution on the performance of Sr2Fe1.5Mo0.5O6□ anodes for SOFCs. *Journal of Materials Chemistry A*, **2014**, 2, 17628-17634	13	53
119	Synthesis and characterization of B-site Ni-doped perovskites Sr2Fe1.5□NixMo0.5O6□(x = 0, 0.05, 0.1, 0.2, 0.4) as cathodes for SOFCs. *Journal of Materials Chemistry A*, **2013**, 1, 14147	13	53
118	Tuning the defects of the triple conducting oxide BaCo0.4Fe0.4Zr0.1Y0.1O3□perovskite toward enhanced cathode activity of protonic ceramic fuel cells. *Journal of Materials Chemistry A*, **2019**, 7, 18365-18372	13	52
117	Carbon-Encapsulated Fe Nanoparticles Embedded in Organic Polypyrrole Polymer as a High Performance Microwave Absorber. *Journal of Physical Chemistry C*, **2016**, 120, 28320-28329	3.8	51
116	Facile Synthesis of Hierarchical Porous Three-Dimensional Free-Standing MnCoO Cathodes for Long-Life Li-O Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 12355-12365	9.5	49

115	Role of flower-like ultrathin CoO nanosheets in water splitting and non-aqueous Li-O batteries. *Nanoscale*, **2018**, 10, 10221-10231	7.7	46
114	Flexible carbon nanofiber/polyvinylidene fluoride composite membranes as interlayers in high-performance Lithium Sulfur batteries. *Journal of Power Sources*, **2016**, 329, 305-313	8.9	45
113	A heterogenized Ni-doped zeolitic imidazolate framework to guide efficient trapping and catalytic conversion of polysulfides for greatly improved lithium□sulfur batteries. *Journal of Materials Chemistry A*, **2018**, 6, 13593-13598	13	43
112	Preparation of YSZ thin films for intermediate temperature solid oxide fuel cells by dip-coating method. *Journal of Membrane Science*, **2008**, 320, 500-504	9.6	42
111	Enhancing Polysulfide Confinement and Electrochemical Kinetics by Amorphous Cobalt Phosphide for Highly Efficient Lithium-Sulfur Batteries. *ACS Nano*, **2021**, 15, 739-750	16.7	41
110	Dendrite-Free Lithium Metal Anodes in High Performance Lithium-Sulfur Batteries with Bifunctional Carbon Nanofiber Interlayers. *Electrochimica Acta*, **2017**, 252, 127-137	6.7	40
109	Porous bimetallic Mn2Co1Ox catalysts prepared by a one-step combustion method for the low temperature selective catalytic reduction of NOx with NH3. *Catalysis Communications*, **2015**, 72, 111-115	3.2	39
108	3D free-standing hierarchical CuCoO nanowire cathodes for rechargeable lithium-oxygen batteries. *Chemical Communications*, **2017**, 53, 8711-8714	5.8	37
107	Linear magnetoresistance versus weak antilocalization effects in Bi2Te3. *Nano Research*, **2015**, 8, 2963-2969	10	36
106	Tailoring the Oxygen Vacancy to Achieve Fast Intrinsic Proton Transport in a Perovskite Cathode for Protonic Ceramic Fuel Cells. *ACS Applied Energy Materials*, **2020**, 3, 4914-4922	6.1	36
105	Macro-mesoporous hollow carbon spheres as anodes for lithium-ion batteries with high rate capability and excellent cycling performance. *Journal of Power Sources*, **2016**, 331, 10-15	8.9	36
104	Investigation into the effect of molybdenum-site substitution on the performance of Sr2Fe1.5Mo0.5O6□for intermediate temperature solid oxide fuel cells. *Journal of Power Sources*, **2014**, 272, 759-765	8.9	36
103	A new family of barium-doped Sr2Fe1.5Mo0.5O6□perovskites for application in intermediate temperature solid oxide fuel cells. *Journal of Power Sources*, **2014**, 268, 176-182	8.9	34
102	Ambipolar surface conduction in ternary topological insulator Bi□(Te□kSex)□nanoribbons. *ACS Nano* , **2013**, 7, 2126-31	16.7	34
101	Eco-friendly polyvinyl alcohol/cellulose nanofiber□i+ composite separator for high-performance lithium-ion batteries. *RSC Advances*, **2016**, 6, 97912-97920	3.7	34
100	Boosting the Electrochemical Performance of Fe-Based Layered Double Perovskite Cathodes by Zn Doping for Solid Oxide Fuel Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 23959-23967	9.5	33
99	An effective three-dimensional ordered mesoporous CuCo2O4 as electrocatalyst for Li-O2 batteries. *Solid State Ionics*, **2016**, 289, 17-22	3.3	32
98	Synthesis and electrochemical characterization of Sr2Fe1.5Mo0.5O6□m0.2Ce0.8O1.9 composite cathode for intermediate-temperature solid oxide fuel cells. *Journal of Power Sources*, **2013**, 243, 766-772	8.9	31

97	Development and performance of anode material based on A-site deficient Sr2-xFe1.4Ni0.1Mo0.5O6-δ perovskites for solid oxide fuel cells. *Electrochimica Acta*, **2016**, 215, 592-599	6.7	30
96	Photoelectrochemical oxidation of glucose for sensing and fuel cell applications. *Chemical Communications*, **2013**, 49, 8632-4	5.8	30
95	One-dimensional porous La0.5Sr0.5CoO2.91 nanotubes as a highly efficient electrocatalyst for rechargeable lithium-oxygen batteries. *Electrochimica Acta*, **2015**, 165, 78-84	6.7	29
94	An improved direct current sintering technique for proton conductor BaZr0.1Ce0.7Y0.1Yb0.1O3: The effect of direct current on sintering process. *Journal of Power Sources*, **2014**, 248, 70-76	8.9	28
93	High performance La3Ni2O7 cathode prepared by a facile sol–gel method for intermediate temperature solid oxide fuel cells. *Electrochemistry Communications*, **2012**, 22, 97-100	5.1	28
92	In-situ nitrogen-doped hierarchical porous hollow carbon spheres anchored with iridium nanoparticles as efficient cathode catalysts for reversible lithium-oxygen batteries. *Chemical Engineering Journal*, **2019**, 358, 340-350	14.7	28
91	Biomass-derived hierarchically porous carbon skeletons with in situ decorated IrCo nanoparticles as high-performance cathode catalysts for Li–O2 batteries. *Journal of Materials Chemistry A*, **2019**, 7, 10662-10671	12	27
90	Highly active and CO2-tolerant Sr2Fe1.3Ga0.2Mo0.5O6-δ cathode for intermediate-temperature solid oxide fuel cells. *Journal of Power Sources*, **2020**, 450, 227722	8.9	27
89	Flash-Sintering and Characterization of La0.8Sr0.2Ga0.8Mg0.2O3-δ Electrolytes for Solid Oxide Fuel Cells. *Electrochimica Acta*, **2016**, 196, 487-495	6.7	27
88	Metal-insulator transition in variably doped (Bi(1-x)Sb(x))2Se3 nanosheets. *Nanoscale*, **2013**, 5, 4337-43	7.7	27
87	The Ca element effect on the enhancement performance of Sr2Fe1.5Mo0.5O6-δ perovskite as cathode for intermediate-temperature solid oxide fuel cells. *Journal of Power Sources*, **2016**, 331, 400-407	8.9	27
86	Nb-doped Sr2Fe1.5Mo0.5O6-δ electrode with enhanced stability and electrochemical performance for symmetrical solid oxide fuel cells. *Ceramics International*, **2019**, 45, 15696-15704	5.1	26
85	Broadband photovoltaic effect of n-type topological insulator Bi2Te3 films on p-type Si substrates. *Nano Research*, **2017**, 10, 1872-1879	10	25
84	Investigation of B-site doped perovskites Sr2Fe1.4X0.1Mo0.5O6-δ (X=Bi, Al, Mg) as high-performance anodes for hybrid direct carbon fuel cell. *Journal of Power Sources*, **2017**, 365, 109-116	8.9	25
83	An effective three-dimensional ordered mesoporous ZnCo2O4 as electrocatalyst for Li-O2 batteries. *Materials Letters*, **2015**, 158, 84-87	3.3	24
82	A highly active and carbon-tolerant anode decorated with in situ grown cobalt nano-catalyst for intermediate-temperature solid oxide fuel cells. *Applied Catalysis B: Environmental*, **2021**, 282, 119553	21.8	24
81	Wide-band microwave absorption by in situ tailoring morphology and optimized N-doping in nano-SiC. *Applied Physics Letters*, **2017**, 111, 223105	3.4	23
80	Improved structural design of single- and double-wall MnCoO nanotube cathodes for long-life Li-O batteries. *Nanoscale*, **2018**, 10, 13149-13158	7.7	22

79	Achieving strong chemical adsorption ability for efficient carbon dioxide electrolysis. *Applied Catalysis B: Environmental*, **2020**, 272, 118968	21.8	22
78	A design strategy of large grain lithium-rich layered oxides for lithium-ion batteries cathode. *Electrochimica Acta*, **2015**, 160, 131-138	6.7	21
77	Inspired by the flip effect: a novel structural design strategy for the cathode in advanced lithium–sulfur batteries. *Journal of Materials Chemistry A*, **2017**, 5, 3140-3144	13	18
76	Cu-Doped SrFeMoO as a highly active cathode for solid oxide electrolytic cells. *Chemical Communications*, **2019**, 55, 8009-8012	5.8	18
75	Recent progress of tubular solid oxide fuel cell: From materials to applications. *Journal of Power Sources*, **2020**, 477, 228693	8.9	18
74	Electrospinning Derived Hierarchically Porous Hollow CuCo2O4 Nanotubes as an Effectively Bifunctional Catalyst for Reversible Li–O2 Batteries. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 15180-15190	8.3	18
73	Bioethanol as a new sustainable fuel for anion exchange membrane fuel cells with carbon nanotube supported surface dealloyed PtCo nanocomposite anodes. *Chemical Engineering Journal*, **2017**, 317, 623-631	14.7	17
72	Reduced graphene oxide supported Ni@Au@Pd core@bishell nanoparticles as highly active electrocatalysts for ethanol oxidation reactions and alkaline direct bioethanol fuel cells applications. *Electrochimica Acta*, **2018**, 271, 1-9	6.7	17
71	Progress and challenges of carbon-fueled solid oxide fuel cells anode. *Journal of Energy Chemistry*, **2021**, 56, 209-222	12	17
70	Bismuth oxyfluoride @ CMK-3 nanocomposite as cathode for lithium ion batteries. *Journal of Power Sources*, **2018**, 374, 166-174	8.9	17
69	Preparation and electrochemical characterization of Ruddlesden–Popper oxide La4Ni3O10 cathode for IT-SOFCs by sol–gel method. *Journal of Solid State Electrochemistry*, **2013**, 17, 2703-2709	2.6	16
68	Investigation of Sc doped Sr2Fe1.5Mo0.5O6 as a cathode material for intermediate temperature solid oxide fuel cells. *Journal of Power Sources*, **2017**, 343, 237-245	8.9	16
67	Improved rate and cycling performance of FeF2-rGO hybrid cathode with poly (acrylic acid) binder for sodium ion batteries. *Journal of Power Sources*, **2019**, 413, 449-458	8.9	16
66	Compositionally continuously graded cathode layers of (Ba 0.5 Sr 0.5)(Fe 0.91 Al 0.09)O 3−δ and 0.1 Ce 0.9 O 2 by wet powder spraying technique for solid oxide fuel cells. *Journal of Power Sources*, **2014**, 247, 858-864	8.9	15
65	A newly-developed effective direct current assisted sintering technique for electrolyte film densification of anode-supported solid oxide fuel cells. *Journal of Power Sources*, **2012**, 215, 296-300	8.9	15
64	Revealing how molten salts promote CO2 capture on CaO via an impedance study and sorption kinetics simulation. *Sustainable Energy and Fuels*, **2018**, 2, 68-72	5.8	15
63	Polynitroxide-grafted-graphene: a superior cathode for lithium ion batteries with enhanced charge hopping transportation. *Journal of Materials Chemistry A*, **2019**, 7, 4438-4445	13	14
62	Attenuating a metal–oxygen bond of a double perovskite oxide via anion doping to enhance its catalytic activity for the oxygen reduction reaction. *Journal of Materials Chemistry A*, **2020**, 8, 14091-14098	13	14

61	Enhanced Stability and Catalytic Activity on Layered Perovskite Anode for High-Performance Hybrid Direct Carbon Fuel Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 12938-12948	9.5	14
60	Preparation and characterization of silver-modified La0.8Sr0.2MnO3 cathode powders for solid oxide fuel cells by chemical reduction method. *International Journal of Hydrogen Energy*, **2013**, 38, 1074-1081	6.7	14
59	Synthesis and characterization of aluminum-doped perovskites as cathode materials for intermediate temperature solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2012**, 37, 11345-11350	6.7	14
58	One-step synthesis of high performance Sr2Fe1.5Mo0.5O6−δ-Sm0.2Ce0.8O1.9 composite cathode for intermediate-temperature solid oxide fuel cells using a self-combustion technique. *Journal of Power Sources*, **2012**, 217, 519-523	8.9	14
57	Effect of co-sintering temperature on the performance of SOFC with YSZ electrolyte thin films fabricated by dip-coating method. *Journal of Solid State Electrochemistry*, **2010**, 14, 637-642	2.6	14
56	Ni modified Ce(Mn, Fe)O2 cermet anode for high-performance direct carbon fuel cell. *Electrochimica Acta*, **2017**, 232, 174-181	6.7	13
55	Controllable Phase Transition for Layered δ-FeSe Superconductor Synthesized by Solution Chemistry. *Chemistry of Materials*, **2017**, 29, 842-848	9.6	13
54	Densification of 8 mol% yttria-stabilized zirconia at low temperature by flash sintering technique for solid oxide fuel cells. *Ceramics International*, **2017**, 43, 14037-14043	5.1	13
53	Hierarchical hollow nanofiber networks for high-performance hybrid direct carbon fuel cells. *Journal of Materials Chemistry A*, **2017**, 5, 17216-17220	13	13
52	Electrochemical and chemical stability performance improvement of Ba0.5Sr0.5Fe0.91Al0.09O3−δ cathode for IT-SOFC through the introduction of a GDC interlayer. *International Journal of Hydrogen Energy*, **2015**, 40, 5939-5946	6.7	12
51	Novel Ni@Co3O4 Web-like Nanofiber Arrays as Highly Effective Cathodes for Rechargeable Li-O2 Batteries. *Electrochimica Acta*, **2016**, 220, 654-663	6.7	12
50	Phosphorus Vacancies as Effective Polysulfide Promoter for High-Energy-Density Lithium-Sulfur Batteries. *Advanced Energy Materials*,2102739	21.8	12
49	A high strength hybrid separator with fast ionic conductor for dendrite-free lithium metal batteries. *Chemical Engineering Journal*, **2021**, 416, 129119	14.7	12
48	Co-tape casting fabrication, field assistant sintering and evaluation of a coke resistant La0.2Sr0.7TiO3−δ-Ni/YSZ functional gradient anode supported solid oxide fuel cell. *International Journal of Hydrogen Energy*, **2015**, 40, 12790-12797	6.7	11
47	Construction of Heterointerfaces with Enhanced Oxygen Reduction Kinetics for Intermediate-Temperature Solid Oxide Fuel Cells. *ACS Applied Energy Materials*, **2020**, 3, 447-455	6.1	11
46	The dimensional crossover of quantum transport properties in few-layered Bi2Se3 thin films. *Nanoscale Advances*, **2019**, 1, 2303-2310	5.1	10
45	Electron delocalization and relaxation behavior in Cu-doped Bi2Se3 films. *Physical Review B*, **2017**, 96,	3.3	10
44	Achieving high specific capacity of lithium-ion battery cathodes by modification with NO radicals and oxygen-containing functional groups. *Journal of Materials Chemistry A*, **2017**, 5, 24636-24644	13	10

43	Vertically Oriented Topological Insulator Bi2Se3 Nanoplates on Silicon for Broadband Photodetection. *Journal of Physical Chemistry C*, **2020**, 124, 10135-10142	3.8	10
42	Engineering of carbon nanotube-grafted carbon nanosheets encapsulating cobalt nanoparticles for efficient electrocatalytic oxygen evolution. *Journal of Materials Chemistry A*, **2020**, 8, 25268-25274	13	9
41	Multimetallic CoreBishell Ni@Au@Pd nanoparticles with reduced graphene oxide as an efficient bifunctional electrocatalyst for oxygen reduction/evolution reactions. *Journal of Alloys and Compounds*, **2019**, 811, 151882	5.7	8
40	Broadband Photodetection of GeSe Films of Vertically Grown Nanoflakes. *ACS Applied Electronic Materials*, **2019**, 1, 2236-2243	4	8
39	Achieving Highly Efficient Carbon Dioxide Electrolysis by Construction of the Heterostructure. *ACS Applied Materials & Interfaces*, **2021**, 13, 20060-20069	9.5	8
38	Pr-Doping Motivating the Phase Transformation of the BaFeO- Perovskite as a High-Performance Solid Oxide Fuel Cell Cathode. *ACS Applied Materials & Interfaces*, **2021**,	9.5	8
37	Enhancing the Catalytic Activity of Y0.08Sr0.92TiO3 Anodes through in Situ Cu Exsolution for Direct Carbon Solid Oxide Fuel Cells. *Industrial & Engineering Chemistry Research*, **2020**, 59, 13105-13112	3.9	7
36	Development of topological insulator and topological crystalline insulator nanostructures. *Nanotechnology*, **2020**, 31, 192001	3.4	7
35	Improved electrochemical performance of Sr2Fe1.5Mo0.4Nb0.1O6 Sm0.2Ce0.8O2 composite cathodes by a one-pot method for intermediate temperature solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2016**, 41, 3052-3061	6.7	7
34	From linear magnetoresistance to parabolic magnetoresistance in Cu and Cr-doped topological insulator Bi2Se3 films. *Journal of Physics and Chemistry of Solids*, **2019**, 128, 331-336	3.9	7
33	Growth and quantum transport properties of vertical BiSe nanoplate films on Si substrates. *Nanotechnology*, **2018**, 29, 315706	3.4	7
32	Catalytic Mechanism of Oxygen Vacancies in Perovskite Oxides for Lithium-Sulfur Batteries.. *Advanced Materials*, **2022**, e2202222	24	7
31	Honeycombed Porous, Size-Matching Architecture for High-Performance Hybrid Direct Carbon Fuel Cell Anode. *ACS Applied Materials & Interfaces*, **2020**, 12, 30411-30419	9.5	6
30	Achieving high capacity hybrid-cathode FeF@LiCO/rGO based on morphology control synthesis and interface engineering. *Chemical Communications*, **2018**, 54, 3235-3238	5.8	6
29	Facile synthesis of copper-manganese spinel anodes with high capacity and cycling performance for lithium-ion batteries. *Materials Letters*, **2016**, 182, 147-150	3.3	6
28	Characteristic and preparation of Ce0.5Zr0.5O2 as the anode support for solid oxide fuel cells by phase inversion technology. *International Journal of Hydrogen Energy*, **2015**, 40, 12784-12789	6.7	6
27	A novel synthesis of Nb2O5@rGO nanocomposite as anode material for superior sodium storage. *Chinese Chemical Letters*, **2021**, 32, 1144-1148	8.1	6
26	Resolving the chemical identity of HSO derived anions on Pt(111) electrodes: they're sulfate. *Physical Chemistry Chemical Physics*, **2019**, 21, 19147-19152	3.6	5

25	Enhanced Electrochemical Performance of the Fe-Based Layered Perovskite Oxygen Electrode for Reversible Solid Oxide Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 34282-34291	9.5	5
24	Preparation of La2NiO4+δ powders as a cathode material for SOFC via a PVP-assisted hydrothermal route. *Journal of Solid State Electrochemistry*, **2015**, 19, 957-965	2.6	4
23	Rational Design of Sandwich-Like Gel–Liquid–Gel Electrolytes for Dendrite-Free Lithium Metal Batteries. *Industrial & Engineering Chemistry Research*, **2020**, 59, 14207-14216	3.9	4
22	Enhancing Stability and Catalytic Activity by In Situ Exsolution for High-Performance Direct Hydrocarbon Solid Oxide Fuel Cell Anodes. *Industrial & Engineering Chemistry Research*, **2021**, 60, 7826-7834	3.9	4
21	Enhanced Performance of Lithium–Sulfur Batteries with Co-Doped g-C3N4 Nanosheet-Based Separator. *Industrial & Engineering Chemistry Research*, **2021**, 60, 1231-1240	3.9	4
20	Magnetic Field Modulated Weak Localization and Antilocalization State in Bi2(TexSe1−x)3 Films. *Physica Status Solidi (B): Basic Research*, **2018**, 255, 1800272	1.3	4
19	Magneto-transport and weak anti-localization in ferromagnetic semiconductor CrSiTe3 single crystal. *Applied Physics Letters*, **2018**, 113, 142404	3.4	4
18	Multiradical-stabilized hollow carbon spheres as a pressure-resistant cathode for fast lithium/sodium storage with excellent performance. *Journal of Materials Chemistry A*, **2020**, 8, 8875-8882	13	3
17	Gradient Mn-La-Pt Catalysts with Three-layered Structure for Li-O battery. *Scientific Reports*, **2016**, 6, 34950	4.9	3
16	Nitrogen and sulfur co-doped hierarchically mesoporous carbon derived from biomass as high-performance anode materials for superior sodium storage. *Journal of Power Sources*, **2022**, 526, 231019	8.9	3
15	Enhanced linear magneto-resistance near the Dirac point in topological insulator Bi2(Te1−xSex)3 nanowires. *Nano Research*, **2020**, 13, 1332-1338	10	3
14	An easily controllable flash sintering process for densification of electrolyte for application in solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2020**, 45, 17824-17832	6.7	2
13	Synthesis and characterization of Sr2Fe1.4Ni0.1Mo0.5-xNbxO6-δ (x = 0, 0.05, 0.1, and 0.15) cathodes for solid oxide fuel cells. *Ionics*, **2018**, 24, 421-428	2.7	2
12	FeF2@MHCS Cathodes with High Capacity and Fast Sodium Storage Based on Nanostructure Construction. *ACS Applied Energy Materials*, **2020**, 3, 10340-10348	6.1	2
11	The Effect of Core–Shell Structure on Microwave Absorption Properties of Graphite-Coated Magnetic Nanocapsules. *Journal of Electronic Materials*, **2019**, 48, 1429-1435	1.9	2
10	Fluorinated Pr2NiO4+δ as high-performance air electrode for tubular reversible protonic ceramic cells. *Journal of Power Sources*, **2021**, 508, 230343	8.9	2
9	Spinel-type bimetal sulfides derived from Prussian blue analogues as efficient polysulfides mediators for lithium–sulfur batteries. *Chinese Chemical Letters*, **2020**, 32, 4063-4063	8.1	1
8	Sn and Y co-doped BaCo0.6Fe0.4O3- cathodes with enhanced oxygen reduction activity and CO2 tolerance for solid oxide fuel cells. *Chinese Chemical Letters*, **2021**,	8.1	1

7	Influence of Dopant Uniformity on Electron Transport in CuxBi2Se3 Films. *Crystal Growth and Design*, **2021**, 21, 608-616	3.5	1
6	Metal-organic frameworks-derived CoO/C penetrated with self-supporting graphene enabling accelerated polysulfide conversion for lithium-sulfur batteries. *Electrochimica Acta*, **2021**, 398, 139311	6.7	1
5	Correlated states in doubly-aligned hBN/graphene/hBN heterostructures. *Nature Communications*, **2021**, 12, 7196	17.4	1
4	Promoting effective electrochemical oxidation of CO by Cu-doping for highly active hybrid direct carbon fuel cell anode. *Journal of Power Sources*, **2022**, 521, 230966	8.9	0
3	A highly active perovskite anode with an in situ exsolved nanoalloy catalyst for direct carbon solid oxide fuel cells. *Journal of Materials Chemistry A*, **2021**, 9, 17327-17335	13	0
2	Constructing highly active alloy-perovskite interfaces for efficient electrochemical CO2 reduction reaction. *Separation and Purification Technology*, **2022**, 121411	8.3	0
1	Transport properties of MnTe films with cracks produced in thermal cycling process. *Applied Physics A: Materials Science and Processing*, **2017**, 123, 1	2.6	