Wei Wang

List of Publications by Citations

132 papers	5,227 citations	38 h-index	68 g-index
138 ext. papers	6,629 ext. citations	10.1 avg, IF	6.46 L-index

#	Paper	IF	Citations
132	Research progress of perovskite materials in photocatalysis- and photovoltaics-related energy conversion and environmental treatment. *Chemical Society Reviews*, **2015**, 44, 5371-408	58.5	580
131	Recent Progress in Metal-Organic Frameworks for Applications in Electrocatalytic and Photocatalytic Water Splitting. *Advanced Science*, **2017**, 4, 1600371	13.6	440
130	Progress in solid oxide fuel cells with nickel-based anodes operating on methane and related fuels. *Chemical Reviews*, **2013**, 113, 8104-51	68.1	342
129	Nitrogen-doped simple and complex oxides for photocatalysis: A review. *Progress in Materials Science*, **2018**, 92, 33-63	42.2	189
128	Recent Advances in Novel Nanostructuring Methods of Perovskite Electrocatalysts for Energy-Related Applications. *Small Methods*, **2018**, 2, 1800071	12.8	169
127	Fundamental Understanding of Photocurrent Hysteresis in Perovskite Solar Cells. *Advanced Energy Materials*, **2019**, 9, 1803017	21.8	148
126	Perovskite Oxide Based Electrodes for High-Performance Photoelectrochemical Water Splitting. *Angewandte Chemie - International Edition*, **2020**, 59, 136-152	16.4	135
125	Self-Assembled Triple-Conducting Nanocomposite as a Superior Protonic Ceramic Fuel Cell Cathode. *Joule*, **2019**, 3, 2842-2853	27.8	127
124	SrCo(0.9)Ti(0.1)O(3-δ) As a New Electrocatalyst for the Oxygen Evolution Reaction in Alkaline Electrolyte with Stable Performance. *ACS Applied Materials & Interfaces*, **2015**, 7, 17663-70	9.5	97
123	Progress and Prospects in Symmetrical Solid Oxide Fuel Cells with Two Identical Electrodes. *Advanced Energy Materials*, **2015**, 5, 1500188	21.8	96
122	Simultaneous Power Conversion Efficiency and Stability Enhancement of Cs2AgBiBr6 Lead-Free Inorganic Perovskite Solar Cell through Adopting a Multifunctional Dye Interlayer. *Advanced Functional Materials*, **2020**, 30, 2001557	15.6	90
121	Recent Advances in Metal-Organic Framework Derivatives as Oxygen Catalysts for Zinc-Air Batteries. *Batteries and Supercaps*, **2019**, 2, 272-289	5.6	87
120	Study of Ag/La0.6Sr0.4MnO3 catalysts for complete oxidation of methanol and ethanol at low concentrations. *Applied Catalysis B: Environmental*, **2000**, 24, 219-232	21.8	80
119	Recent advances in anion-doped metal oxides for catalytic applications. *Journal of Materials Chemistry A*, **2019**, 7, 7280-7300	13	76
118	Stable direct-methane solid oxide fuel cells with calcium-oxide-modified nickel-based anodes operating at reduced temperatures. *Applied Energy*, **2016**, 164, 563-571	10.7	68
117	High-Quality Ruddlesden-Popper Perovskite Film Formation for High-Performance Perovskite Solar Cells. *Advanced Materials*, **2021**, 33, e2002582	24	66
116	Highly Active and Stable Pt-Pd Alloy Catalysts Synthesized by Room-Temperature Electron Reduction for Oxygen Reduction Reaction. *Advanced Science*, **2017**, 4, 1600486	13.6	64

115	Electric power and synthesis gas co-generation from methane with zero waste gas emission. *Angewandte Chemie - International Edition*, **2011**, 50, 1792-7	16.4	63
114	Partial oxidation and combined reforming of methane on Ce-promoted catalysts. *Catalysis Today*, **2004**, 98, 553-563	5.3	63
113	Rational Design of a Water-Storable Hierarchical Architecture Decorated with Amorphous Barium Oxide and Nickel Nanoparticles as a Solid Oxide Fuel Cell Anode with Excellent Sulfur Tolerance. *Advanced Science*, **2017**, 4, 1700337	13.6	59
112	A Cobalt-Free Multi-Phase Nanocomposite as Near-Ideal Cathode of Intermediate-Temperature Solid Oxide Fuel Cells Developed by Smart Self-Assembly. *Advanced Materials*, **2020**, 32, e1906979	24	59
111	Perovskite materials in energy storage and conversion. *Asia-Pacific Journal of Chemical Engineering*, **2016**, 11, 338-369	1.3	59
110	A NiFeCu alloy anode catalyst for direct-methane solid oxide fuel cells. *Journal of Power Sources*, **2014**, 258, 134-141	8.9	53
109	A new Gd-promoted nickel catalyst for methane conversion to syngas and as an anode functional layer in a solid oxide fuel cell. *Journal of Power Sources*, **2011**, 196, 3855-3862	8.9	53
108	Nickel-based anode with water storage capability to mitigate carbon deposition for direct ethanol solid oxide fuel cells. *ChemSusChem*, **2014**, 7, 1719-28	8.3	51
107	Boosting the Activity of BaCo0.4Fe0.4Zr0.1Y0.1O3 Perovskite for Oxygen Reduction Reactions at Low-to-Intermediate Temperatures through Tuning B-Site Cation Deficiency. *Advanced Energy Materials*, **2019**, 9, 1902384	21.8	49
106	Methane-fueled SOFC with traditional nickel-based anode by applying Ni/Al2O3 as a dual-functional layer. *Electrochemistry Communications*, **2009**, 11, 194-197	5.1	49
105	Recent Advances in Cs2AgBiBr6-Based Halide Double Perovskites as Lead-Free and Inorganic Light Absorbers for Perovskite Solar Cells. *Energy & Fuels*, **2020**, 34, 10513-10528	4.1	48
104	Recent progress in metal organic frameworks for lithium sulfur batteries. *Polyhedron*, **2018**, 155, 464-484	2.7	48
103	Pt/C LiCoO2 composites with ultralow Pt loadings as synergistic bifunctional electrocatalysts for oxygen reduction and evolution reactions. *Journal of Materials Chemistry A*, **2016**, 4, 4516-4524	13	47
102	Gas Humidification Impact on the Properties and Performance of Perovskite-Type Functional Materials in Proton-Conducting Solid Oxide Cells. *Advanced Functional Materials*, **2018**, 28, 1802592	15.6	46
101	Promoting the Efficiency and Stability of CsPbIBr-Based All-Inorganic Perovskite Solar Cells through a Functional Cu Doping Strategy. *ACS Applied Materials & Interfaces*, **2020**, 12, 23984-23994	9.5	45
100	Tuning layer-structured La0.6Sr1.4MnO4+ into a promising electrode for intermediate-temperature symmetrical solid oxide fuel cells through surface modification. *Journal of Materials Chemistry A*, **2016**, 4, 10641-10649	13	45
99	Recent Advances in the Development of Anode Materials for Solid Oxide Fuel Cells Utilizing Liquid Oxygenated Hydrocarbon Fuels: A Mini Review. *Energy Technology*, **2019**, 7, 33-44	3.5	43
98	Lithium and lanthanum promoted Ni-Al2O3 as an active and highly coking resistant catalyst layer for solid-oxide fuel cells operating on methane. *Journal of Power Sources*, **2011**, 196, 90-97	8.9	42

97	Development of a NiCe0.8Zr0.2O2 catalyst for solid oxide fuel cells operating on ethanol through internal reforming. *Journal of Power Sources*, **2011**, 196, 6177-6185	8.9	42
96	A comprehensive evaluation of a NiAl2O3 catalyst as a functional layer of solid-oxide fuel cell anode. *Journal of Power Sources*, **2010**, 195, 402-411	8.9	41
95	Assessment of nickel cermets and La0.8Sr0.2Sc0.2Mn0.8O3 as solid-oxide fuel cell anodes operating on carbon monoxide fuel. *Journal of Power Sources*, **2010**, 195, 1333-1343	8.9	39
94	H2S poisoning effect and ways to improve sulfur tolerance of nickel cermet anodes operating on carbonaceous fuels. *Applied Energy*, **2016**, 179, 765-777	10.7	38
93	Aluminum oxide as a dual-functional modifier of Ni-based anodes of solid oxide fuel cells for operation on simulated biogas. *Journal of Power Sources*, **2014**, 268, 787-793	8.9	38
92	Enhanced electrochemical performance, water storage capability and coking resistance of a Ni+BaZr 0.1 Ce 0.7 Y 0.1 Yb 0.1 O 3 anode for solid oxide fuel cells operating on ethanol. *Chemical Engineering Science*, **2015**, 126, 22-31	4.4	35
91	Combustion-synthesized RuAl2O3 composites as anode catalyst layer of a solid oxide fuel cell operating on methane. *International Journal of Hydrogen Energy*, **2011**, 36, 755-764	6.7	34
90	Coke formation and performance of an intermediate-temperature solid oxide fuel cell operating on dimethyl ether fuel. *Journal of Power Sources*, **2011**, 196, 1967-1974	8.9	33
89	Nitrogen-doped TiO2 microspheres with hierarchical micro/nanostructures and rich dual-phase junctions for enhanced photocatalytic activity. *RSC Advances*, **2016**, 6, 40923-40931	3.7	33
88	A new nickel ceria composite for direct-methane solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2013**, 38, 3741-3749	6.7	32
87	Synthesis of Hierarchical TiO2C3N4 Hybrid Microspheres with Enhanced Photocatalytic and Photovoltaic Activities by Maximizing the Synergistic Effect. *ChemPhotoChem*, **2017**, 1, 35-45	3.3	32
86	Ceramic Lithium Ion Conductor to Solve the Anode Coking Problem of Practical Solid Oxide Fuel Cells. *ChemSusChem*, **2015**, 8, 2978-86	8.3	31
85	Renewable acetic acid in combination with solid oxide fuel cells for sustainable clean electric power generation. *Journal of Materials Chemistry A*, **2013**, 1, 5620	13	31
84	Physically mixed LiLaNiAl2O3 and copper as conductive anode catalysts in a solid oxide fuel cell for methane internal reforming and partial oxidation. *International Journal of Hydrogen Energy*, **2011**, 36, 5632-5643	6.7	31
83	Co-generation of electricity and syngas on proton-conducting solid oxide fuel cell with a perovskite layer as a precursor of a highly efficient reforming catalyst. *Journal of Power Sources*, **2017**, 348, 9-15	8.9	30
82	Infiltrated NiCo Alloy Nanoparticle Decorated Perovskite Oxide: A Highly Active, Stable, and Antisintering Anode for Direct-Ammonia Solid Oxide Fuel Cells. *Small*, **2020**, 16, e2001859	11	30
81	Nickel-Iron Alloy Nanoparticle-Decorated K2NiF4-Type Oxide as an Efficient and Sulfur-Tolerant Anode for Solid Oxide Fuel Cells. *ChemElectroChem*, **2017**, 4, 2378-2384	4.3	29
80	Core shell structured Li0.33La0.56TiO3 perovskite as a highly efficient and sulfur-tolerant anode for solid-oxide fuel cells. *Journal of Materials Chemistry A*, **2015**, 3, 8545-8551	13	29

79	Greatly enhanced photocatalytic activity by organic flexible piezoelectric PVDF induced spatial electric field. *Catalysis Science and Technology*, **2017**, 7, 5594-5601	5.5	26
78	Effect of nickel content and preparation method on the performance of Ni-Al2O3 towards the applications in solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2011**, 36, 10958-10967	6.7	26
77	A New Pd Doped Proton Conducting Perovskite Oxide with Multiple Functionalities for Efficient and Stable Power Generation from Ammonia at Reduced Temperatures. *Advanced Energy Materials*, **2021**, 11, 2003916	21.8	25
76	Enhancing the triiodide reduction activity of a perovskite-based electrocatalyst for dye-sensitized solar cells through exsolved silver nanoparticles. *Journal of Materials Chemistry A*, **2019**, 7, 17489-17497	13	24
75	Coking suppression in solid oxide fuel cells operating on ethanol by applying pyridine as fuel additive. *Journal of Power Sources*, **2014**, 265, 20-29	8.9	24
74	Ethylene glycol as a new sustainable fuel for solid oxide fuel cells with conventional nickel-based anodes. *Applied Energy*, **2015**, 148, 1-9	10.7	23
73	Rational Design of Metal Oxide□Based Cathodes for Efficient Dye-Sensitized Solar Cells. *Advanced Energy Materials*, **2018**, 8, 1800172	21.8	23
72	Ruddlesden□Popper Perovskite Oxides for Photocatalysis-Based Water Splitting and Wastewater Treatment. *Energy & Fuels*, **2020**, 34, 9208-9221	4.1	22
71	Enhanced sulfur tolerance of nickel-based anodes for oxygen-ion conducting solid oxide fuel cells by incorporating a secondary water storing phase. *Environmental Science & Technology*, **2014**, 48, 12427-34	10.3	21
70	Rational Design of LaNiO3/Carbon Composites as Outstanding Platinum-Free Photocathodes in Dye-Sensitized Solar Cells With Enhanced Catalysis for the Triiodide Reduction Reaction. *Solar Rrl*, **2017**, 1, 1700074	7.1	20
69	Nickel zirconia cerate cermet for catalytic partial oxidation of ethanol in a solid oxide fuel cell system. *International Journal of Hydrogen Energy*, **2012**, 37, 8603-8612	6.7	20
68	Cation-Deficient Perovskites for Clean Energy Conversion. *Accounts of Materials Research*, **2021**, 2, 477-488	7.9	20
67	Understanding and Engineering of Multiphase Transport Processes in Membrane Electrode Assembly of Proton-Exchange Membrane Fuel Cells with a Focus on the Cathode Catalyst Layer: A Review. *Energy & Fuels*, **2020**, 34, 9175-9188	4.1	19
66	An Intrinsically Conductive Phosphorus-Doped Perovskite Oxide as a New Cathode for High-Performance Dye-Sensitized Solar Cells by Providing Internal Conducting Pathways. *Solar Rrl*, **2019**, 3, 1900108	7.1	18
65	Electric Power and Synthesis Gas Co-generation From Methane with Zero Waste Gas Emission. *Angewandte Chemie*, **2011**, 123, 1832-1837	3.6	18
64	Morphology- and Phase-Controlled Synthesis of Visible-Light-Activated S-doped TiO2 with Tunable S4+/S6+ Ratio. *Chemical Engineering Journal*, **2020**, 402, 125549	14.7	17
63	High-Performance Proton-Conducting Fuel Cell with B-Site-Deficient Perovskites for All Cell Components. *Energy & Fuels*, **2020**, 34, 11464-11471	4.1	17
62	Efficient water splitting through solid oxide electrolysis cells with a new hydrogen electrode derived from A-site cation-deficient La0.4Sr0.55Co0.2Fe0.6Nb0.2O3-□perovskite. *Materials Today Energy*, **2020**, 17, 100458	7	16

61	Advances in Ceramic Thin Films Fabricated by Pulsed Laser Deposition for Intermediate-Temperature Solid Oxide Fuel Cells. *Energy & Fuels*, **2020**, 34, 10568-10582	4.1	16
60	Highly promoted performance of triple-conducting cathode for YSZ-based SOFC via fluorine anion doping. *Ceramics International*, **2020**, 46, 23964-23971	5.1	15
59	Exsolved Alloy Nanoparticles Decorated Ruddlesden□Popper Perovskite as Sulfur-Tolerant Anodes for Solid Oxide Fuel Cells. *Energy & Fuels*, **2020**, 34, 11449-11457	4.1	15
58	CeO2 overlapped with nitrogen-doped carbon layer anchoring Pt nanoparticles as an efficient electrocatalyst towards oxygen reduction reaction. *International Journal of Hydrogen Energy*, **2018**, 43, 12119-12128	6.7	14
57	A bilateral cyano molecule serving as an effective additive enables high-efficiency and stable perovskite solar cells. *Journal of Energy Chemistry*, **2021**, 62, 243-251	12	14
56	Manipulating cation nonstoichiometry towards developing better electrolyte for self-humidified dual-ion solid oxide fuel cells. *Journal of Power Sources*, **2020**, 460, 228105	8.9	13
55	SrCo0.8Ti0.1Ta0.1O3-□perovskite: A new highly active and durable cathode material for intermediate-temperature solid oxide fuel cells. *Composites Part B: Engineering*, **2021**, 213, 108726	10	13
54	Effect of fabrication method on properties and performance of bimetallic Ni0.75Fe0.25 anode catalyst for solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2012**, 37, 9287-9297	6.7	12
53	Ammonia-mediated suppression of coke formation in direct-methane solid oxide fuel cells with nickel-based anodes. *Journal of Power Sources*, **2013**, 240, 232-240	8.9	12
52	Prussian blue-encapsulated FeO nanoparticles for reusable photothermal sterilization of water. *Journal of Colloid and Interface Science*, **2019**, 540, 354-361	9.3	12
51	ZIF-8@polyoxometalate derived Si-doped ZnWO@ZnO nanocapsules with open-shaped structures for efficient visible light photocatalysis. *Chemical Communications*, **2018**, 54, 13786-13789	5.8	12
50	Chlorine-Doped Perovskite Oxide: A Platinum-Free Cathode for Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 35641-35652	9.5	11
49	Mixed fuel strategy for carbon deposition mitigation in solid oxide fuel cells at intermediate temperatures. *Environmental Science & Technology*, **2014**, 48, 7122-7	10.3	11
48	Iron incorporated Ni□rO2 catalysts for electric power generation from methane. *International Journal of Hydrogen Energy*, **2012**, 37, 9801-9808	6.7	11
47	Study on proton-conducting solid oxide fuel cells with a conventional nickel cermet anode operating on dimethyl ether. *Journal of Power Sources*, **2011**, 196, 9246-9253	8.9	11
46	The role of micro-nano pores in interfacial solar evaporation systems □A review. *Applied Energy*, **2021**, 292, 116871	10.7	11
45	Towards highly stable and efficient planar perovskite solar cells: Materials development, defect control and interfacial engineering. *Chemical Engineering Journal*, **2021**, 420, 127599	14.7	11
44	Turning Detrimental Effect into Benefits: Enhanced Oxygen Reduction Reaction Activity of Cobalt-Free Perovskites at Intermediate Temperature CO-Induced Surface Activation. *ACS Applied Materials & Interfaces*, **2020**, 12, 16417-16425	9.5	10

43	Rational Design of Superior, Coking-Resistant, Nickel-Based Anodes through Tailoring Interfacial Reactions for Solid Oxide Fuel Cells Operated on Methane Fuel. *ChemSusChem*, **2018**, 11, 3112-3119	8.3	10
42	Single-chamber solid oxide fuel cells with nanocatalyst-modified anodes capable of in situ activation. *Journal of Power Sources*, **2014**, 264, 220-228	8.9	10
41	Reducing the operation temperature of a solid oxide fuel cell using a conventional nickel-based cermet anode on dimethyl ether fuel through internal partial oxidation. *Journal of Power Sources*, **2011**, 196, 7601-7608	8.9	10
40	Non-metal fluorine doping in Ruddlesden-Popper perovskite oxide enables high-efficiency photocatalytic water splitting for hydrogen production. *Materials Today Energy*, **2021**, 100896	7	10
39	Scandium and phosphorus co-doped perovskite oxides as high-performance electrocatalysts for the oxygen reduction reaction in an alkaline solution. *Journal of Materials Science and Technology*, **2020**, 39, 22-27	9.1	10
38	Vacancy defects on optoelectronic properties of double perovskite Cs2AgBiBr6. *Materials Science in Semiconductor Processing*, **2021**, 123, 105541	4.3	10
37	Enhancing the photocatalytic activity of Ruddlesden-Popper Sr2TiO4 for hydrogen evolution through synergistic silver doping and moderate reducing pretreatment. *Materials Today Energy*, **2021**, 23, 100899	7	9
36	Purified high-sulfur coal as a fuel for direct carbon solid oxide fuel cells. *International Journal of Energy Research*, **2019**, 43, 2501-2513	4.5	9
35	One-pot synthesis of silver-modified sulfur-tolerant anode for SOFCs with an expanded operation temperature window. *AICHE Journal*, **2017**, 63, 4287-4295	3.6	8
34	Enhancing the oxygen reduction activity of PrBaCo2O5+□double perovskite cathode by tailoring the calcination temperatures. *International Journal of Hydrogen Energy*, **2020**, 45, 25996-26004	6.7	8
33	Inherently Catalyzed Boudouard Reaction of Bamboo Biochar for Solid Oxide Fuel Cells with Improved Performance. *Energy & Fuels*, **2018**, 32, 4559-4568	4.1	8
32	Improving Moisture/Thermal Stability and Efficiency of CH3NH3PbI3-Based Perovskite Solar Cells via Gentle Butyl Acrylate Additive Strategy. *Solar Rrl*, **2021**, 5, 2000621	7.1	8
31	Direct Operation of Solid Oxide Fuel Cells on Low-Concentration Oxygen-Bearing Coal-Bed Methane with High Stability. *Energy & Fuels*, **2018**, 32, 4547-4558	4.1	7
30	Evaluation of the CO2 tolerant cathode for solid oxide fuel cells: Praseodymium oxysulfates/Ba0.5Sr0.5Co0.8Fe0.2O3-□*Applied Surface Science*, **2019**, 472, 10-15	6.7	7
29	Further performance enhancement of a DME-fueled solid oxide fuel cell by applying anode functional catalyst. *International Journal of Hydrogen Energy*, **2012**, 37, 6844-6852	6.7	7
28	Methane catalytic decomposition integrated with on-line Pd membrane hydrogen separation for fuel cell application. *International Journal of Hydrogen Energy*, **2010**, 35, 2958-2963	6.7	7
27	Tuning the A-Site Cation Deficiency of La0.8Sr0.2FeO3□Perovskite Oxides for High-Efficiency Triiodide Reduction Reaction in Dye-Sensitized Solar Cells. *Energy & Fuels*, **2020**, 34, 11322-11329	4.1	7
26	A Direct -Butane Solid Oxide Fuel Cell Using Ba(ZrCeYYb)NiRuO Perovskite as the Reforming Layer. *ACS Applied Materials & Interfaces*, **2021**, 13, 20105-20113	9.5	7

25	Promoting polysulfide redox kinetics by Co9S8 nanoparticle-embedded in N-doped carbon nanotube hollow polyhedron for lithium sulfur batteries. *Journal of Alloys and Compounds*, **2021**, 869, 159306	5.7	7
24	Rational Design of Perovskite-Based Anode with Decent Activity for Hydrogen Electro-Oxidation and Beneficial Effect of Sulfur for Promoting Power Generation in Solid Oxide Fuel Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 41257-41267	9.5	7
23	Morphology and Catalytic Performance of Flake-Shaped NiO-Yttria-Stabilized Zirconia (YSZ) Particles with Nanocrystalline YSZ Grains. *Industrial & Engineering Chemistry Research*, **2012**, 51, 6387-6394	3.9	6
22	Benefitting from Synergistic Effect of Anion and Cation in Antimony Acetate for Stable CH NH PbI -Based Perovskite Solar Cell with Efficiency Beyond 21. *Small*, **2021**, 17, e2102186	11	6
21	Single-atom catalysts for high-efficiency photocatalytic and photoelectrochemical water splitting: distinctive roles, unique fabrication methods and specific design strategies. *Journal of Materials Chemistry A*, **2022**, 10, 6835-6871	13	6
20	A novel heterogeneous La0.8Sr0.2CoO3 (La0.5Sr0.5)2CoO4+ dual-phase membrane for oxygen separation. *Asia-Pacific Journal of Chemical Engineering*, **2018**, 13, e2239	1.3	5
19	A solid oxide carbon fuel cell operating on pomelo peel char with high power output. *International Journal of Energy Research*, **2019**, 43, 2514-2526	4.5	5
18	A steel slag derived Boudouard reaction catalyst for improved performance of direct carbon solid oxide fuel cells. *International Journal of Energy Research*, **2019**, 43, 6970	4.5	5
17	First investigation of additive engineering for highly efficient Cs2AgBiBr6-based lead-free inorganic perovskite solar cells. *Applied Physics Reviews*, **2021**, 8, 041402	17.3	5
16	Perowskitoxid-Elektroden zur leistungsstarken photoelektrochemischen Wasserspaltung. *Angewandte Chemie*, **2020**, 132, 140-158	3.6	5
15	Sodium fluoride sacrificing layer concept enables high-efficiency and stable methylammonium lead iodide perovskite solar cells. *Journal of Materials Science and Technology*, **2022**, 113, 138-146	9.1	4
14	A New Sodium-ion-conducting Layered Perovskite Oxide as Highly Active and Sulfur Tolerant Electrocatalyst for Solid Oxide Fuel Cells. *Energy Procedia*, **2019**, 158, 1660-1665	2.3	3
13	Three-Dimensional Bi(_{5})O(_{7})I Photocatalysts for Efficient Removal of NO in Air Under Visible Light. *Aerosol Science and Engineering*, **2017**, 1, 33-40	1.6	3
12	Electrochemical Performance of a Ni and YSZ Composite Synthesised by Ultrasonic Spray Pyrolysis as an Anode for SOFCs. *Fuel Cells*, **2011**, 11, 654-660	2.9	3
11	BaCe0.16Y0.04Fe0.8O3- nanocomposite: A new high-performance cobalt-free triple-conducting cathode for protonic ceramic fuel cells operating at reduced temperatures. *Journal of Materials Chemistry A*,	13	3
10	Perovskite Oxides in Catalytic Combustion of Volatile Organic Compounds: Recent Advances and Future Prospects. *Energy and Environmental Materials*,	13	3
9	Realizing Simultaneous Detrimental Reactions Suppression and Multiple Benefits Generation from Nickel Doping toward Improved Protonic Ceramic Fuel Cell Performance.. *Small*, **2022**, e2200450	11	3
8	Prussian blue-conjugated ZnO nanoparticles for near-infrared light-responsive photocatalysis. *Materials Today Energy*, **2021**, 23, 100895	7	2

7	Ni-doped CdS porous cubes prepared from prussian blue nanoarchitectonics with enhanced photocatalytic hydrogen evolution performance. *International Journal of Hydrogen Energy*, **2021**, 47, 3752-3752	6.7	1
6	Porous MoWN/MoWC@NC Nano-octahedrons synthesized via confined carburization and vapor deposition in MOFs as efficient trifunctional electrocatalysts for oxygen reversible catalysis and hydrogen production in the same electrolyte. *Journal of Colloid and Interface Science*, **2021**, 601, 626-639	9.3	1
5	Porous rare earth-transition metal bimetallic oxide nanoparticles oxygen electrocatalyst for rechargeable Zinc-air battery. *Journal of the Taiwan Institute of Chemical Engineers*, **2022**, 134, 104280	5.3	1
4	Two-dimensional Dion-Jacobson halide perovskites as new-generation light absorbers for perovskite solar cells. *Renewable and Sustainable Energy Reviews*, **2022**, 166, 112614	16.2	1
3	Perovskite Materials in Photovoltaics. *Materials Horizons*, **2020**, 175-207	0.6	0
2	Solution-processed lead-free double perovskite microplatelets with enhanced photoresponse and thermal stability. *Science China Materials*, **2022**, 65, 1313-1319	7.1	0
1	Slightly ruthenium doping enables better alloy nanoparticle exsolution of perovskite anode for high-performance direct-ammonia solid oxide fuel cells. *Journal of Materials Science and Technology* , **2022**, 125, 51-58	9.1	0