Bo Wei

List of Publications by Citations

147	3,439	34	50
papers	citations	h-index	g-index
153	3,929	5.3	5.24
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
147	Crystal structure, thermal expansion and electrical conductivity of perovskite oxides BaxSr1−xCo0.8Fe0.2O3−δ (0.3≤x≤0.7). *Journal of the European Ceramic Society*, **2006**, 26, 2827-2832	6	196
146	Synthesis, electrical and electrochemical properties of Ba0.5Sr0.5Zn0.2Fe0.8O3−δ perovskite oxide for IT-SOFC cathode. *Journal of Power Sources*, **2008**, 176, 1-8	8.9	148
145	Enhanced photosensitization process induced by the p–n junction of Bi2O2CO3/BiOCl heterojunctions on the degradation of rhodamine B. *Applied Surface Science*, **2014**, 303, 360-366	6.7	129
144	Thermal and Electrical Properties of New Cathode Material Ba[sub 0.5]Sr[sub 0.5]Co[sub 0.8]Fe[sub 0.2]O[sub 3−δ] for Solid Oxide Fuel Cells. *Electrochemical and Solid-State Letters*, **2005**, 8, A428		123
143	Cation exchange synthesis of ZnS–Ag2S microspheric composites with enhanced photocatalytic activity. *Applied Surface Science*, **2013**, 270, 133-138	6.7	97
142	Characterization of GdBaCo2O5+δ cathode for IT-SOFCs. *Journal of Alloys and Compounds*, **2008**, 454, 274-279	5.7	84
141	Generation of Oxygen Vacancy and OH Radicals: A Comparative Study of Bi2WO6 and Bi2WO6–x Nanoplates. *ChemCatChem*, **2015**, 7, 4076-4084	5.2	83
140	Flowerlike C-doped BiOCl nanostructures: Facile wet chemical fabrication and enhanced UV photocatalytic properties. *Applied Surface Science*, **2013**, 284, 497-502	6.7	70
139	Efficient electrolysis of CO2 in symmetrical solid oxide electrolysis cell with highly active La0.3Sr0.7Fe0.7Ti0.3O3 electrode material. *Electrochemistry Communications*, **2016**, 69, 80-83	5.1	69
138	A symmetrical solid oxide fuel cell prepared by dry-pressing and impregnating methods. *Journal of Power Sources*, **2011**, 196, 729-733	8.9	66
137	A study of (Ba0.5Sr0.5)1−xSmxCo0.8Fe0.2O3−δ as a cathode material for IT-SOFCs. *Journal of Alloys and Compounds*, **2006**, 426, 408-414	5.7	57
136	The surface engineering of cobalt carbide spheres through N, B co-doping achieved by room-temperature in situ anchoring effects for active and durable multifunctional electrocatalysts. *Journal of Materials Chemistry A*, **2019**, 7, 14904-14915	13	53
135	Low temperature solid oxide fuel cells based on Sm0.2Ce0.8O1.9 films fabricated by slurry spin coating. *Journal of Power Sources*, **2006**, 159, 637-640	8.9	53
134	Performances of Ba0.5Sr0.5Co0.6Fe0.4O3−δ–Ce0.8Sm0.2O1.9 composite cathode materials for IT-SOFC. *Journal of Alloys and Compounds*, **2008**, 448, 116-121	5.7	49
133	Ba0.5Sr0.5Zn0.2Fe0.8O3−δ Perovskite Oxide as a Novel Cathode for Intermediate-Temperature Solid-Oxide Fuel Cells. *Journal of the American Ceramic Society*, **2007**, 90, 3364-3366	3.8	49
132	Thermal, electrical, and electrochemical properties of Lanthanum-doped Ba0.5Sr0.5 Co0.8Fe0.2O3−δ *Journal of Physics and Chemistry of Solids*, **2007**, 68, 1707-1712	3.9	46
131	Thermal expansion and electrochemical properties of Ni-doped GdBaCo2O5+δ double-perovskite type oxides. *International Journal of Hydrogen Energy*, **2010**, 35, 3775-3782	6.7	45

130	Flower-like ZnO-Ag2O composites: precipitation synthesis and photocatalytic activity. *Nanoscale Research Letters*, **2013**, 8, 536	5	44
129	Niobium Doped Lanthanum Strontium Ferrite as A Redox-Stable and Sulfur-Tolerant Anode for Solid Oxide Fuel Cells. *ChemSusChem*, **2018**, 11, 254-263	8.3	43
128	Enhanced performance of solid oxide fuel cells with Ni/CeO2 modified La0.75Sr0.25Cr0.5Mn0.5O3 anodes. *Journal of Power Sources*, **2009**, 190, 326-330	8.9	43
127	Ag2O Bi2O3 composites: synthesis, characterization and high efficient photocatalytic activities. *CrystEngComm*, **2012**, 14, 5705	3.3	42
126	One-step hydrothermal synthesis and optical properties of aluminium doped ZnO hexagonal nanoplates on a zinc substrate. *CrystEngComm*, **2011**, 13, 1283-1286	3.3	41
125	Chromium deposition and poisoning at La0.6Sr0.4Co0.2Fe0.8O(3- oxygen electrodes of solid oxide electrolysis cells. *Physical Chemistry Chemical Physics*, **2015**, 17, 1601-9	3.6	39
124	Facile synthesis of Bi2O3/Bi2O2CO3 nanocomposite with high visible-light photocatalytic activity. *Materials Letters*, **2014**, 120, 1-4	3.3	39
123	Study on Ba0.5Sr0.5Co0.8Fe0.2O3 Sm0.5Sr0.5CoO3 composite cathode materials for IT-SOFCs. *Journal of Alloys and Compounds*, **2008**, 465, 274-279	5.7	38
122	Synthesis and luminescence of europium doped yttria nanophosphors via a sucrose-templated combustion method. *Nanotechnology*, **2006**, 17, 4327-4331	3.4	37
121	Nanosize Bi2O3 decorated Bi2MoO6 via an alkali etching process for enhanced photocatalytic performance. *RSC Advances*, **2015**, 5, 12346-12353	3.7	36
120	A preliminary study of the pseudo-capacitance features of strontium doped lanthanum manganite. *RSC Advances*, **2015**, 5, 5858-5862	3.7	35
119	A direct flame solid oxide fuel cell for potential combined heat and power generation. *International Journal of Hydrogen Energy*, **2012**, 37, 8621-8629	6.7	35
118	Nanosized Ce0.8Sm0.2O1.9 infiltrated GdBaCo2O5+ cathodes for intermediate-temperature solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2011**, 36, 6151-6159	6.7	35
117	Fabrication and performance of membrane solid oxide fuel cells with La0.75Sr0.25Cr0.5Mn0.5O3 impregnated anodes. *Journal of Power Sources*, **2010**, 195, 1793-1798	8.9	35
116	Electrical and thermal properties of (Ba0.5Sr0.5) 1 SmxCo0.8Fe0.2O3 perovskite oxides. *Solid State Ionics*, **2007**, 178, 417-422	3.3	35
115	Enhanced performance of a single-chamber solid oxide fuel cell with an SDC-impregnated cathode. *Journal of Power Sources*, **2007**, 167, 58-63	8.9	34
114	Hierarchical Hollow Spheres Assembled with Ultrathin CoMn Double Hydroxide Nanosheets as Trifunctional Electrocatalyst for Overall Water Splitting and Zn Air Battery. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 14641-14651	8.3	34
113	Surface Cation Segregation and Chromium Deposition on the Double-Perovskite Oxide PrBaCoO. *ACS Applied Materials & Interfaces*, **2018**, 10, 8621-8629	9.5	33

112	Novel polymer fibers prepared by electrospinning for use as the pore-former for the anode of solid oxide fuel cell. *Electrochimica Acta*, **2010**, 55, 5538-5544	6.7	31
111	Effect of temperature on the chromium deposition and poisoning of La0.6Sr0.4Co0.2Fe0.8O3-δ cathodes of solid oxide fuel cells. *Electrochimica Acta*, **2014**, 139, 173-179	6.7	30
110	A comparison of La0.75Sr0.25Cr0.5Mn0.5O3δ and Ni impregnated porous YSZ anodes fabricated in two different ways for SOFCs. *Electrochimica Acta*, **2010**, 55, 3932-3938	6.7	30
109	Characteristics of NiO-YSZ anode based on NiO particles synthesized by the precipitation method. *Journal of Alloys and Compounds*, **2008**, 454, 447-453	5.7	30
108	Characteristics of a SiO2B2O3Al2O3BaCO3PbO2ZnO glass ceramic sealant for SOFCs. *Journal of Alloys and Compounds*, **2007**, 432, 189-193	5.7	30
107	Multilayered MoS2 coated TiO2 hollow spheres for efficient photodegradation of phenol under visible light irradiation. *Materials Letters*, **2016**, 179, 42-46	3.3	30
106	Electrochemical characteristics of Ba0.5Sr0.5Co0.8Fe0.2O3Sm0.2Ce0.8O1.9 composite materials for low-temperature solid oxide fuel cell cathodes. *Materials Letters*, **2006**, 60, 3642-3646	3.3	28
105	A novel design of single-chamber SOFC micro-stack operated in methane oxygen mixture. *Electrochemistry Communications*, **2009**, 11, 347-350	5.1	27
104	Preparation and performance of solid oxide fuel cells with YSZ/SDC bilayer electrolyte. *Ceramics International*, **2015**, 41, 4410-4415	5.1	26
103	GdBaCo2O5+δSm0.2Ce0.8O1.9 composite cathodes for intermediate temperature SOFCs. *Journal of Alloys and Compounds*, **2011**, 509, 3651-3655	5.7	26
102	Redox of Ni/YSZ anodes and oscillatory behavior in single-chamber SOFC under methane oxidation conditions. *Electrochimica Acta*, **2011**, 56, 6688-6695	6.7	26
101	Operando capturing of surface self-reconstruction of Ni3S2/FeNi2S4 hybrid nanosheet array for overall water splitting. *Chemical Engineering Journal*, **2022**, 427, 131944	14.7	26
100	High-performance and stable La0.8Sr0.2Fe0.9Nb0.1O3-δ anode for direct carbon solid oxide fuel cells fueled by activated carbon and corn straw derived carbon. *International Journal of Hydrogen Energy*, **2018**, 43, 12358-12367	6.7	25
99	Strontium doped lanthanum manganite/manganese dioxide composite electrode for supercapacitor with enhanced rate capability. *Electrochimica Acta*, **2016**, 222, 1585-1591	6.7	24
98	Electrochemically Driven Deactivation and Recovery in PrBaCo2 O5+δ Oxygen Electrodes for Reversible Solid Oxide Fuel Cells. *ChemSusChem*, **2016**, 9, 2443-50	8.3	24
97	Cr deposition on porous La0.6Sr0.4Co0.2Fe0.8O3δ electrodes of solid oxide cells under open circuit condition. *Solid State Ionics*, **2015**, 281, 29-37	3.3	22
96	Photocatalytic properties of hierarchical ZnO flowers synthesized by a sucrose-assisted hydrothermal method. *Applied Surface Science*, **2012**, 259, 557-561	6.7	22
95	Novel in situ method (vacuum assisted electroless plating) modified porous cathode for solid oxide fuel cells. *Electrochemistry Communications*, **2008**, 10, 844-847	5.1	22

94	Anode-Supported Micro-SOFC Stacks Operated under Single-Chamber Conditions. *Journal of the Electrochemical Society*, **2007**, 154, B588	3.9	22
93	Functionally graded cathodes based on double perovskite type GdBaCo2O5+□oxide. *Electrochimica Acta*, **2014**, 134, 136-142	6.7	21
92	A Highly Efficient and Robust Perovskite Anode with Iron-Palladium Co-exsolutions for Intermediate-Temperature Solid-Oxide Fuel Cells. *ChemSusChem*, **2018**, 11, 2593-2603	8.3	21
91	A Performance Study of Solid Oxide Fuel Cells With BaZr0.1Ce0.7Y0.2O3□Electrolyte Developed by Spray-Modified Pressing Method. *Fuel Cells*, **2012**, 12, 141-145	2.9	20
90	Sm0.5Sr0.5CoO3□Sm0.2Ce0.8O1.9 Composite Oxygen Electrodes for Solid Oxide Electrolysis Cells. *Fuel Cells*, **2014**, 14, 76-82	2.9	20
89	Performance evaluation of an anode-supported solid oxide fuel cell with Ce0.8Sm0.2O1.9 impregnated GdBaCo2O5+□cathode. *International Journal of Hydrogen Energy*, **2012**, 37, 13491-13498	6.7	20
88	Effect of adding urea on performance of Cu/CeO2/yttria-stabilized zirconia anodes for solid oxide fuel cells prepared by impregnation method. *Electrochimica Acta*, **2011**, 56, 2230-2236	6.7	20
87	Fabrication and evaluation of a Ni/La0.75Sr0.25Cr0.5Fe0.5O3□co-impregnated yttria-stabilized zirconia anode for single-chamber solid oxide fuel cells. *International Journal of Hydrogen Energy*, **2010**, 35, 6897-6904	6.7	19
86	Effects of sucrose concentration on morphology and luminescence performance of Gd2O3:Eu nanocrystals. *Journal of Alloys and Compounds*, **2008**, 460, 524-528	5.7	19
85	Ag 2 O nanoparticles decorated hierarchical Bi 2 MoO 6 microspheres for efficient visible light photocatalysts. *Journal of Alloys and Compounds*, **2017**, 699, 783-787	5.7	18
84	Investigation on a novel composite solid oxide fuel cell anode with La0.6Sr0.4Co0.2Fe0.8O3□ derived phases. *Electrochimica Acta*, **2015**, 160, 89-93	6.7	18
83	Evaluation of (Ba0.5Sr0.5)0.85Gd0.15Co0.8Fe0.2O3□cathode for intermediate temperature solid oxide fuel cell. *Ceramics International*, **2012**, 38, 3039-3046	5.1	18
82	Performance degradation of double-perovskite PrBaCo 2 O 5+□oxygen electrode in CO 2 containing atmospheres. *Applied Surface Science*, **2017**, 416, 649-655	6.7	17
81	Preparation and characteristics of Pr1.6Sr0.4NiO4+YSZ as composite cathode of solid oxide fuel cells. *Journal of Physics and Chemistry of Solids*, **2009**, 70, 665-668	3.9	16
80	Direct growth of Ni□e phosphides nanohybrids on NiFe foam for highly efficient water oxidation. *Journal of Alloys and Compounds*, **2020**, 847, 156363	5.7	16
79	Performance degradation of SmBaCo2O5+□cathode induced by chromium deposition for solid oxide fuel cells. *Electrochimica Acta*, **2015**, 174, 327-331	6.7	15
78	Performance and stability of co-synthesized Sm 0.5 Sr 0.5 CoO 3 □e 0.8 Sm 0.2 O 1.9 composite oxygen electrode for solid oxide electrolysis cells. *International Journal of Hydrogen Energy*, **2015**, 40, 561-567	6.7	15
77	Oxygen adsorption on the Ag/La1□SrxMnO3(001) catalysts surfaces: A first-principles study. *Journal of Power Sources*, **2012**, 209, 158-162	8.9	15

76	Direct Flame SOFCs with La[sub 0.75]Sr[sub 0.25]Cr[sub 0.5]Mn[sub 0.5]O[sub 3] Ni Coimpregnated Yttria-Stabilized Zirconia Anodes Operated on Liquefied Petroleum Gas Flame. *Journal of the Electrochemical Society*, **2010**, 157, B1838	3.9	15
75	A Novel Cell-Array Design for Single Chamber SOFC Microstack. *Fuel Cells*, **2009**, 9, 717-721	2.9	15
74	NiO+YSZ anode substrate for screen-printing fabrication of YSZ electrolyte film in solid oxide fuel cell. *Journal of Physics and Chemistry of Solids*, **2009**, 70, 164-168	3.9	15
73	Fabrication and thermoelectric properties of highly textured NaCo2O4 ceramic. *Journal of Alloys and Compounds*, **2006**, 407, 299-303	5.7	15
72	La1.7Sr0.3Co0.5Ni0.5O4+ layered perovskite as an efficient bifunctional electrocatalyst for rechargeable zinc-air batteries. *Applied Surface Science*, **2019**, 464, 494-501	6.7	15
71	Paper-Fibres Used as a Pore-Former for Anode Substrate of Solid Oxide Fuel Cell. *Fuel Cells*, **2011**, 11, 172-177	2.9	14
70	Enhanced electrochemical performance of co-synthesized La2NiO4+ Ce0.55La0.45O2- composite cathode for IT-SOFCs. *Journal of Alloys and Compounds*, **2017**, 705, 105-111	5.7	13
69	Mo-Doped Cobalt Phosphide Nanosheets for Efficient Hydrogen Generation in an Alkaline Media. *Energy Technology*, **2019**, 7, 1900021	3.5	13
68	Novel cobalt-free layered perovskite LaBaFe2-xNbxO6- (x=0 0.1) as cathode for solid oxide fuel cells. *Journal of Power Sources*, **2020**, 453, 227875	8.9	13
67	Synthesis and characterization of La0.9Sr0.1Ga0.8Mg0.2O3 intermediate-temperature electrolyte using conventional solid state reaction. *Journal of Power Sources*, **2012**, 218, 233-236	8.9	13
66	Effect of the Cell Distance on the Cathode in Single Chamber SOFC Short Stack. *Journal of the Electrochemical Society*, **2009**, 156, B1253	3.9	13
65	Tailoring tantalum doping into a perovskite ferrite to obtain a highly active and stable anode for solid oxide fuel cells. *Journal of Materials Chemistry A*, **2020**, 8, 18778-18791	13	13
64	In Situ Synthesis of FeO/FeO Heterojunction Photoanode via Fast Flame Annealing for Enhanced Charge Separation and Water Oxidation. *ACS Applied Materials & Interfaces*, **2021**, 13, 4785-4795	9.5	13
63	Morphology evolution and exsolution mechanism of a partially decomposed anode for intermediate temperature-solid oxide fuel cells. *Electrochimica Acta*, **2019**, 304, 30-41	6.7	12
62	Efficient use of waste carton for power generation, tar and fertilizer through direct carbon solid oxide fuel cell. *Renewable Energy*, **2020**, 158, 410-420	8.1	12
61	Cellular Structure Fabricated on Ni Wire by a Simple and Cost-Effective Direct-Flame Approach and Its Application in Fiber-Shaped Supercapacitors. *ChemSusChem*, **2018**, 11, 985-993	8.3	11
60	Study on impedance spectra of La0.7Sr0.3MnO3 and Sm0.2Ce0.8O1.9-impregnated La0.7Sr0.3MnO3 cathode in single chamber fuel cell condition. *Electrochimica Acta*, **2009**, 54, 4726-4730	6.7	11
59	Ion Exchange Synthesis of Bi2MoO6/BiOI Heterojunctions for Photocatalytic Degradation and Photoelectrochemical Water Splitting. *Nano*, **2016**, 11, 1650095	1.1	10

58	A Configuration for Improving the Performance of Coplanar Single-Chamber Solid Oxide Fuel Cell. *Electrochemical and Solid-State Letters*, **2010**, 13, B14		10
57	Impregnated La[sub 0.75]Sr[sub 0.25]Cr[sub 0.5]Fe[sub 0.5]O[sub 3]-Based Anodes Operating on H[sub 2], CH[sub 4], and C[sub 2]H[sub 5]OH Fuels. *Electrochemical and Solid-State Letters*, **2010**, 13, B91		10
56	Self-supported Hierarchical Fe(PO3)2@Cu3P nanotube arrays for efficient hydrogen evolution in alkaline media. *Journal of Alloys and Compounds*, **2020**, 820, 153185	5.7	10
55	Carbon dots/Cu 2 MoS 4 nanosheets hybrids with efficient photoelectrochemical performance. *Materials Letters*, **2017**, 197, 79-82	3.3	9
54	Redox sculptured dual-scale porous nickel-iron foams for efficient water oxidation. *Electrochimica Acta*, **2019**, 309, 415-423	6.7	9
53	Performance and stability of co-synthesized Sm0.5Sr0.5CoO3-Sm0.2Ce0.8O1.9 oxygen electrode for reversible solid oxide cells. *Electrochimica Acta*, **2015**, 180, 1085-1093	6.7	9
52	Electronic structure and surface properties of PrMnO 3 (001): A density functional theory study. *Solid State Communications*, **2015**, 201, 31-35	1.6	9
51	Structure, electrical and thermal properties of (Ba0.5Sr0.5)1 xGdxCo0.8Fe0.2O3 perovskite as a solid-oxide fuel cell cathode. *Solid State Ionics*, **2012**, 207, 38-43	3.3	9
50	Effects of the single chamber SOFC stack configuration on the performance of the single cells. *Solid State Ionics*, **2010**, 181, 939-942	3.3	9
49	Co-synthesis of Sm0.5Sr0.5CoO3-Sm0.2Ce0.8O1.9 Composite Cathode with Enhanced Electrochemical Property for Intermediate Temperature SOFCs. *Fuel Cells*, **2014**, 14, 966-972	2.9	8
48	Performance of the Single-Chamber Solid Oxide Fuel Cell with a La[sub 0.75]Sr[sub 0.25]Cr[sub 0.5]Mn[sub 0.5]O[sub 3]-Based Perovskite Anode. *Journal of the Electrochemical Society*, **2010**, 157, B691	3.9	8
47	A non-sealed solid oxide fuel cell micro-stack with two gas channels. *International Journal of Hydrogen Energy*, **2011**, 36, 7251-7256	6.7	8
46	A cobalt-free bismuth ferrite-based cathode for intermediate temperature solid oxide fuel cells. *Electrochemistry Communications*, **2021**, 125, 106978	5.1	8
45	In-situ self-reconstruction of NiFeAl hybrid phosphides nanosheet arrays enables efficient oxygen evolution in alkaline. *International Journal of Hydrogen Energy*, **2021**, 46, 25070-25080	6.7	8
44	On the limiting factor of impregnation methods for developing Cu/CeO2 anodes for solid oxide fuel cells. *Journal of Solid State Electrochemistry*, **2018**, 22, 1735-1743	2.6	7
43	Effect of gas supply method on the performance of the single-chamber SOFC micro-stack and the single cells. *Journal of Solid State Electrochemistry*, **2013**, 17, 269-275	2.6	7
42	Redox Tolerance of Thin and Thick Ni/YSZ Anodes of Electrolyte-Supported Single-Chamber Solid Oxide Fuel Cells under Methane Oxidation Conditions. *Fuel Cells*, **2013**, 13, 1109-1115	2.9	7
41	Strontium doped lanthanum manganite (LSM) effects on electrochemical performance of LSM/MnO2 composites for supercapacitor. *Journal of Materials Science: Materials in Electronics*, **2017**, 28, 17020-17025	2.1	7

40	A novel La2NiO4+La3Ni2O7-Ce0.55La0.45O2- ternary composite cathode prepared by the co-synthesis method for IT-SOFCs. *International Journal of Hydrogen Energy*, **2017**, 42, 17202-17210	6.7	7
39	Ni/SDC Nanoparticles Modified La[sub 0.75]Sr[sub 0.25]Cr[sub 0.5]Fe[sub 0.5]O[sub 3] as Anodes for Solid Oxide Fuel Cells. *Electrochemical and Solid-State Letters*, **2009**, 12, B161		7
38	In-situ reduction synthesis of La2O3/NiM-NCNTs (M = Fe, Co) as efficient bifunctional electrocatalysts for oxygen reduction and evolution reactions. *International Journal of Hydrogen Energy*, **2018**, 43, 21959-21968	6.7	7
37	Self-supported phosphorus-doped CoMoO4 rod bundles for efficient hydrogen evolution. *Journal of Materials Science*, **2020**, 55, 6502-6512	4.3	6
36	Anodic polarization induced performance loss in GdBaCo 2 O 5+ oxygen electrode under solid oxide electrolysis cell conditions. *Journal of the European Ceramic Society*, **2018**, 38, 2396-2403	6	6
35	The comparative theoretical study of the LaBO3 (001) (B = Mn, Fe, Co, and Ni) surface properties and oxygen adsorption mechanisms. *Ionics*, **2016**, 22, 1153-1158	2.7	6
34	Enhanced Performance of Solid Oxide Fuel Cell by Manipulating the Orientation of Cylindrical Pores in Anode Substrate. *Fuel Cells*, **2012**, 12, 41-46	2.9	6
33	SmBaCo2O5+as High Efficient Oxygen Electrode of Solid Oxide Electrolysis Cells. *ECS Transactions*, **2013**, 57, 3189-3196	1	6
32	Fabrication and performance test of solid oxide fuel cells with screen-printed yttria-stabilized zirconia electrolyte membranes. *Journal of Solid State Electrochemistry*, **2011**, 15, 2661-2665	2.6	6
31	Oxygen pump method for leak rate testing of SiO2B2O3Al2O3BaOPbO2ZnO glass sealant for SOFC. *Solid State Ionics*, **2008**, 179, 1286-1290	3.3	6
30	In situ unraveling surface reconstruction of Ni5P4@FeP nanosheet array for superior alkaline oxygen evolution reaction. *Applied Catalysis B: Environmental*, **2022**, 305, 121033	21.8	6
29	Colored TiO2 hollow spheres for efficient water-splitting photocatalysts. *RSC Advances*, **2016**, 6, 108969-108973	3.9	5
28	Investigation of a solid oxide fuel cells catalyst LaSrNiO4: Electronic structure, surface segregation, and oxygen adsorption. *International Journal of Hydrogen Energy*, **2016**, 41, 21497-21502	6.7	5
27	Compaction pressure effect on microstructure and electrochemical performance of GdBaCo2O5+ cathode for IT-SOFCs. *Ceramics International*, **2012**, 38, 2159-2164	5.1	5
26	The Effect of Adding Ce1SmxO2/2 with Different Sm Contents on the Electrochemical Performance of GdBaCo2O5+Based Composite Cathode. *Fuel Cells*, **2013**, 13, 289-297	2.9	5
25	Performance of an annular solid-oxide fuel cell micro-stack array operating in single-chamber conditions. *Journal of Power Sources*, **2010**, 195, 4247-4251	8.9	5
24	Investigations on Pr1.6Sr0.4NiO4YSZAg composite cathode for solid oxide fuel cells. *Journal of Physics and Chemistry of Solids*, **2010**, 71, 230-234	3.9	5
23	La0.6PrSr0.4NiO4Ce0.8Pr0.2O2 composite cathode for solid oxide fuel cell. *Materials Chemistry and Physics*, **2015**, 149-150, 617-621	4.4	4

22	A rapid preparation of acicular Ni impregnated anode with enhanced conductivity and operational stability. *Journal of Power Sources*, **2014**, 256, 424-429	8.9	4
21	Evaluation of a Non-sealed Solid Oxide Fuel Cell Stack with Cells Embedded in Plane Configuration. *Fuel Cells*, **2012**, 12, 523-529	2.9	4
20	In-situ probing the rapid reconstruction of FeOOH-decorated NiMoO4 nanowires with boosted oxygen evolution activity. *Materials Today Energy*, **2021**, 23, 100887	7	4
19	Effect of the angle between gas flow direction and electrode on single-chamber SOFC stacks. *Journal of Solid State Electrochemistry*, **2019**, 23, 1651-1657	2.6	3
18	Investigations on sulfur poisoning mechanisms of a solid oxide fuel cell with niobium-doped ferrate perovskite anode. *Electrochimica Acta*, **2020**, 335, 135703	6.7	3
17	Adsorption of Sulfur-Containing Species on LaCrO3 (001) Surface: A First-Principles Study. *Fuel Cells*, **2013**, 13, 1040-1047	2.9	3
16	Ba and Gd Doping Effect in (BaxSr1−x)0.95Gd0.05Co0.8Fe0.2O3−δ (x = 0.1−0.9) Cathode on the Phase Structure and Electrochemical Performance. *Fuel Cells*, **2012**, 12, 633-641	2.9	3
15	A right-angular configuration for the single-chamber solid oxide fuel cell. *International Journal of Hydrogen Energy*, **2011**, 36, 3147-3152	6.7	3
14	Heterostructural Ni3S2/Fe5Ni4S8 hybrids for efficient electrocatalytic oxygen evolution. *Journal of Materials Science*, **2020**, 55, 15963-15974	4.3	3
13	Enhanced performance of a single-chamber solid oxide fuel cell with dual gas supply method. *Ionics*, **2019**, 25, 1281-1289	2.7	2
12	Self-supported Reevesite Ni-Fe Layered Double Hydroxide Nanosheet Arrays for Efficient Water Oxidation. *ChemistrySelect*, **2020**, 5, 3062-3068	1.8	2
11	Study of a Single-Chamber Solid Oxide Fuel Cell Microstack with V-Shaped Congener-Electrode-Facing Configuration. *Fuel Cells*, **2012**, 12, 4-10	2.9	2
10	Improved Electrodes/Electrolyte Interfaces for Solid Oxide Fuel Cell by Using Dual-Sized Powders in Electrolyte Slurry. *Fuel Cells*, **2012**, 12, 732-738	2.9	2
9	Enhanced density of sol–gel derived La0.8S0.2MnO3 thin film with an electric field assisted deposition. *Materials Letters*, **2013**, 92, 192-194	3.3	2
8	The electronic properties and structural stability of LaFeO3 oxide by niobium doping: A density functional theory study. *International Journal of Hydrogen Energy*, **2021**, 46, 9193-9198	6.7	2
7	Development of Single-Chamber Solid Oxide Fuel Cells: Performance Optimization and Micro-Stack Designs. *Ceramic Transactions*, **2010**, 173-177	0.1	1
6	Synergistically improving electrocatalytic performance and CO2 tolerance of Fe-based cathode catalysts for solid oxide fuel cells. *Energy*, **2022**, 124050	7.9	1
5	High Temperature Electrical Relaxation Study of La0.6Sr0.4Co0.2Fe0.8O3−δ/Ce0.9Gd0.1O1.95 Composite. *Wuji Cailiao Xuebao/Journal of Inorganic Materials*, **2010**, 25, 635-640	1	0

4	A SrCo0.9Ta0.1O3-□derived medium-entropy cathode with superior CO2 poisoning tolerance for solid oxide fuel cells. *Journal of Power Sources*, **2022**, 540, 231661	8.9	0
3	Advanced Technologies for High-Temperature Solid Oxide Fuel Cells. *Electrochemical Energy Storage and Conversion*, **2015**, 307-337		
2	The Interaction of Noble Metal With La1□SrxMnO3 (001) Surface and Catalytic Role for Oxygen Adsorption: A Density Functional Theory Study. *Fuel Cells*, **2012**, 12, 1048-1055	2.9	
1	The electronic structure and the oxygen adsorption at BaO terminated surface of GdBaCo2O5.5: A first principles study. *Solid State Communications*, **2020**, 311, 113871	1.6	