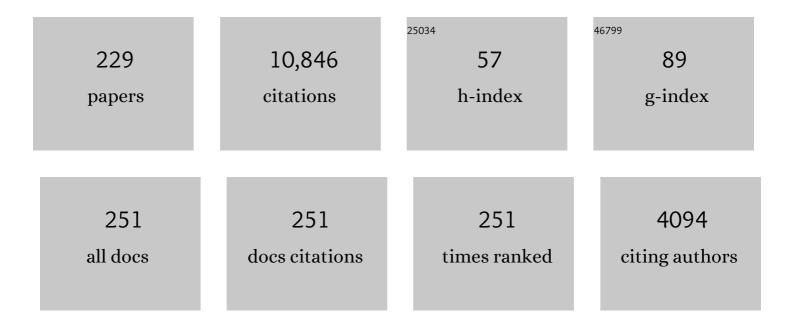
Bin Zhu

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Tunable magneto-optical and interfacial defects of Nd and Cr-doped bismuth ferrite nanoparticles for microwave absorber applications. Journal of Colloid and Interface Science, 2022, 608, 1868-1881.	9.4	28
2	Tunning tin-based perovskite as an electrolyte for semiconductor protonic fuel cells. International Journal of Hydrogen Energy, 2022, 47, 5531-5540.	7.1	16
3	Excellent oxygen reduction electrocatalytic activity of nanostructured CaFe2O4 particles embedded microporous Ni-Foam. International Journal of Hydrogen Energy, 2022, 47, 10331-10340.	7.1	9
4	Tuning La ₂ O ₃ to high ionic conductivity by Ni-doping. Chemical Communications, 2022, 58, 4360-4363.	4.1	15
5	Optimizing Na0.5Bi0.5TiO3 electrolyte fuel cell through constructing heterostructures. Ceramics International, 2022, 48, 18116-18123.	4.8	3
6	Surfaceâ€Engineered Homostructure for Enhancing Proton Transport. Small Methods, 2022, 6, e2100901.	8.6	26
7	Recent advance in physical description and material development for single component SOFC: A mini-review. Chemical Engineering Journal, 2022, 444, 136533.	12.7	50
8	Synergistic effect of sodium content for tuning Sm2O3 as a stable electrolyte in proton ceramic fuel cells. Renewable Energy, 2022, 193, 608-616.	8.9	13
9	Demonstrating the potential of iron-doped strontium titanate electrolyte with high-performance for low temperature ceramic fuel cells. Renewable Energy, 2022, 196, 901-911.	8.9	22
10	Design principle and assessing the correlations in Sb-doped Ba0.5Sr0.5FeO3–δ perovskite oxide for enhanced oxygen reduction catalytic performance. Journal of Catalysis, 2021, 395, 168-177.	6.2	44
11	Junction and energy band on novel semiconductor-based fuel cells. IScience, 2021, 24, 102191.	4.1	45
12	Nanoparticle exsolution in perovskite oxide and its sustainable electrochemical energy systems. Journal of Power Sources, 2021, 492, 229626.	7.8	17
13	The role of band structure in Co- and Fe-co-doped Ba0.5Sr0.5Zr0.1Y0.1O3-δ perovskite semiconductor to design an electrochemical aptasensing platform: application in label-free detection of ochratoxin A using voltammetry. Mikrochimica Acta, 2021, 188, 177.	5.0	1
14	Layered LiCoO2–LiFeO2 Heterostructure Composite for Semiconductor-Based Fuel Cells. Nanomaterials, 2021, 11, 1224.	4.1	9
15	Novel Perovskite Semiconductor Based on Co/Fe-Codoped LBZY (La _{0.5} Ba _{0.5}) Tj ETQq1	1 0.7843 5.1	36 S14 rgBT /O
	Electrolyte in Ceramic Fuel Cells. ACS Applied Energy Materials, 2021, 4, 5798-5808.		
16	Low-temperature solid oxide fuel cells based on Tm-doped SrCeO2-δ semiconductor electrolytes. Materials Today Energy, 2021, 20, 100661.	4.7	17
17	Tailoring triple charge conduction in BaCo0.2Fe0.1Ce0.2Tm0.1Zr0.3Y0.1O3â^î′ semiconductor electrolyte for boosting solid oxide fuel cell performance. Renewable Energy, 2021, 172, 336-349.	8.9	26
18	PN Heterostructure Interface-Facilitated Proton Conduction in 3C-SiC/Na _{0.6} CoO ₂ Electrolyte for Fuel Cell Application. ACS Applied Energy Materials, 2021, 4, 7519-7525.	5.1	17

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#	Article	IF	CITATIONS
19	Analysis model for deformation mechanism of strip foundation of building: Considering shear effect of down-crossing tunnel under excavation. Journal of Central South University, 2021, 28, 2556-2573.	3.0	8
20	Novel K2Ti8O17 Anode via Na+/Al3+ Co-Intercalation Mechanism for Rechargeable Aqueous Al-Ion Battery with Superior Rate Capability. Nanomaterials, 2021, 11, 2332.	4.1	3
21	Interface engineering of bi-layer semiconductor SrCoSnO3-δ-CeO2-δ heterojunction electrolyte for boosting the electrochemical performance of low-temperature ceramic fuel cell. International Journal of Hydrogen Energy, 2021, 46, 33969-33977.	7.1	28
22	Promoted electrocatalytic activity and ionic transport simultaneously in dual functional Ba0.5Sr0.5Fe0.8Sb0.2O3-δ-Sm0.2Ce0.8O2-δ heterostructure. Applied Catalysis B: Environmental, 2021, 298, 120503.	20.2	78
23	Semiconductor Nb-Doped SrTiO _{3â^î^} Perovskite Electrolyte for a Ceramic Fuel Cell. ACS Applied Energy Materials, 2021, 4, 365-375.	5.1	30
24	Electrochemical Properties of a Dual-Ion Semiconductor-Ionic Co _{0.2} Zn _{0.8} O-Sm _{0.20} Ce _{0.80} O _{2â^îî} Composite for a High-Performance Low-Temperature Solid Oxide Fuel Cell. ACS Applied Energy Materials, 2021, 4, 194-207.	5.1	21
25	Validating the efficiency of γ-Al2O3/La0.6Sr0.4Co0.2Fe0.8O3-δ double-layer electrolyte for low temperature solid oxide fuel cell. International Journal of Hydrogen Energy, 2021, 46, 40014-40021.	7.1	1
26	Semiconductor Electrochemistry for Clean Energy Conversion and Storage. Electrochemical Energy Reviews, 2021, 4, 757-792.	25.5	77
27	Tuning La0.6Sr0.4Co0.2Fe0.8O3-δ perovskite cathode as functional electrolytes for advanced low-temperature SOFCs. Catalysis Today, 2020, 355, 295-303.	4.4	26
28	Functional ceria-based nanocomposites for advanced low-temperature (300–600°C) solid oxide fuel cell: A comprehensive review. Materials Today Energy, 2020, 15, 100373.	4.7	48
29	Stability study of SOFC using layered perovskite oxide La1·85Sr0·15CuO4 mixed with ionic conductor as membrane. Electrochimica Acta, 2020, 332, 135487.	5.2	38
30	Electrochemical properties of Ni0.4Zn0.6 Fe2O4 and the heterostructure composites (Ni–Zn) Tj ETQq0 0 0 rg&	3T (Overloo 5.2	ck 10 Tf 50 30
31	Semiconductor Heterostructure SrTiO ₃ /CeO ₂ Electrolyte Membrane Fuel Cells. Journal of the Electrochemical Society, 2020, 167, 054504.	2.9	21
32	Non-doped CeO2-carbonate nanocomposite electrolyte for low temperature solid oxide fuel cells. Ceramics International, 2020, 46, 29290-29296.	4.8	23
33	Application of a Triple-Conducting Heterostructure Electrolyte of Ba _{0.5} Sr _{0.5} Co _{0.1} Fe _{0.7} Zr _{0.1} Y _{0.1} C and Ca _{0.04} Ce _{0.80} Sm _{0.16} O _{2â^î^} in a High-Performance Low-Temperature Solid Oxide Fuel Cell. ACS Applied Materials & amp: Interfaces, 2020, 12, 35071-35080.	D _{3â^}	ʻî́r{∕sub>
34	Advanced fuel cell based on semiconductor perovskite La–BaZrYO3-δ as an electrolyte material operating at low temperature 550°C. International Journal of Hydrogen Energy, 2020, 45, 27501-27509.	7.1	38

35	Cubic silicon carbide/zinc oxide heterostructure fuel cells. Applied Physics Letters, 2020, 117, .	3.3	28
36	Superionic Conductivity in Ceria-BasedÂHeterostructure Composites for Low-Temperature Solid Oxide Fuel Cells. Nano-Micro Letters, 2020, 12, 178.	27.0	29

#	Article	IF	CITATIONS
37	Influence of Blasting Vibration of MLEMC Shaft Foundation Pit on Adjacent High-Rise Frame Structure: A Case Study. Energies, 2020, 13, 5140.	3.1	4
38	Electrochemical Properties of a Co-Doped SrSnO _{3â^î^} -Based Semiconductor as an Electrolyte for Solid Oxide Fuel Cells. ACS Applied Energy Materials, 2020, 3, 6323-6333.	5.1	38
39	Interface engineering towards low temperature in-situ densification of SOFC. International Journal of Hydrogen Energy, 2020, 45, 10030-10038.	7.1	13
40	Catalytic membrane with high ion–electron conduction made of strongly correlated perovskite LaNiO3 and Ce0.8Sm0.2O2-1´ for fuel cells. Journal of Catalysis, 2020, 386, 117-125.	6.2	22
41	Semiconductor Fe-doped SrTiO3-δ perovskite electrolyte for low-temperature solid oxide fuel cell (LT-SOFC) operating below 520°C. International Journal of Hydrogen Energy, 2020, 45, 14470-14479.	7.1	52
42	Semiconductor TiO ₂ thin film as an electrolyte for fuel cells. Journal of Materials Chemistry A, 2019, 7, 16728-16734.	10.3	80
43	The semiconductor SrFe0.2Ti0.8O3-δ-ZnO heterostructure electrolyte fuel cells. International Journal of Hydrogen Energy, 2019, 44, 30319-30327.	7.1	75
44	Tuning the Energy Band Structure at Interfaces of the SrFe _{0.75} Ti _{0.25} O _{3â°î´} –Sm _{0.25} Ce _{0.75} O <sub Heterostructure for Fast Ionic Transport. ACS Applied Materials & Interfaces, 2019, 11, 38737-38745.</sub 	ວ>2&â∂δ <td>ub97</td>	ub97
45	Intrinsic and extrinsic natures make changes on the ionic transportation - Response to: "Comments on Int J Hydrogen Energy 42 (2017) 17495–17503― International Journal of Hydrogen Energy, 2019, 44, 28056-28064.	7.1	6
46	The sintering temperature effect on electrochemical properties of Ce0.8Sm0.05Ca0.15O2-δ (SCDC)-La0.6Sr0.4Co0.2Fe0.8O3-δ (LSCF) heterostructure pellet. Nanoscale Research Letters, 2019, 14, 162.	5.7	25
47	Fast ionic conduction in semiconductor CeO2- \hat{l} electrolyte fuel cells. NPG Asia Materials, 2019, 11, .	7.9	157
48	Proton Shuttles in CeO ₂ /CeO _{2â^'δ} Core–Shell Structure. ACS Energy Letters, 2019, 4, 2601-2607.	17.4	160
49	Ionic Conducting Properties and Fuel Cell Performance Developed by Band Structures. Journal of Physical Chemistry C, 2019, 123, 8569-8577.	3.1	26
50	Fast ion channels for crab shell-based electrolyte fuel cells. International Journal of Hydrogen Energy, 2019, 44, 15370-15376.	7.1	11
51	Novel high ionic conductivity electrolyte membrane based on semiconductor La0.65Sr0.3Ce0.05Cr0.5Fe0.5O3-δfor low-temperature solid oxide fuel cells. Journal of Power Sources, 2019, 421, 33-40.	7.8	43
52	Shaping triple-conducting semiconductor BaCo0.4Fe0.4Zr0.1Y0.1O3-δ into an electrolyte for low-temperature solid oxide fuel cells. Nature Communications, 2019, 10, 1707.	12.8	218
53	Advanced Fuel Cell Based on New Nanocrystalline Structure Gd _{0.1} Ce _{0.9} O ₂ Electrolyte. ACS Applied Materials & Interfaces, 2019, 11, 10642-10650.	8.0	78
54	Processing SCNT(SrCo0.8Nb0.1Ta0.1O3-Î)-SCDC(Ce0.8Sm0.05Ca0.15O2-Î) composite into semiconductor-ionic membrane fuel cell (SIMFC) to operate below 500°C. International Journal of Hydrogen Energy, 2019, 44, 31372-31385.	7.1	26

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55	Li effects on layer-structured oxide LixNi0.8Co0.15Al0.05O2-δ: Improving cell performance via on-line reaction. Electrochimica Acta, 2019, 295, 325-332.	5.2	45
56	Titanium-substituted ferrite perovskite: An excellent sulfur and coking tolerant anode catalyst for SOFCs. Catalysis Today, 2019, 330, 217-221.	4.4	27
57	The composite electrolyte with an insulation Sm2O3 and semiconductor NiO for advanced fuel cells. International Journal of Hydrogen Energy, 2018, 43, 12739-12747.	7.1	34
58	High-performance SOFC based on a novel semiconductor-ionic SrFeO3-δ–Ce0.8Sm0.2O2-δ membrane. International Journal of Hydrogen Energy, 2018, 43, 12697-12704.	7.1	27
59	Proton Conduction and Fuel Cell Using the CuFe-Oxide Mineral Composite Based on CuFeO ₂ Structure. ACS Applied Energy Materials, 2018, 1, 580-588.	5.1	28
60	Alkaline earth metal and samarium co-doped ceria as efficient electrolytes. Applied Physics Letters, 2018, 112, .	3.3	27
61	Nanomaterials and technologies for low temperature solid oxide fuel cells: Recent advances, challenges and opportunities. Nano Energy, 2018, 45, 148-176.	16.0	363
62	New developments in fuel cells: From traditional to innovative concepts (Preface for China-Europe) Tj ETQq0 0 0 12595.	rgBT /Ove 7.1	erlock 10 Tf 5 4
63	Electrochemical and electrical properties of doped CeO2-ZnO composite for low-temperature solid oxide fuel cell applications. Journal of Power Sources, 2018, 392, 33-40.	7.8	101
64	Experimental and physical approaches on a novel semiconducting-ionic membrane fuel cell. International Journal of Hydrogen Energy, 2018, 43, 12756-12764.	7.1	17
65	Validating the technological feasibility of yttria-stabilized zirconia-based semiconducting-ionic composite in intermediate-temperature solid oxide fuel cells. Journal of Power Sources, 2018, 384, 318-327.	7.8	32
66	Thinâ€Film Fuel Cells using a Sodium Silicate Binder with La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3â^'<i>δ</i>} (LSCF) and LaCePr Oxides (LCP) Membranes. Energy Technology, 2018, 6, 312-317.	3.8	2
67	Natural hematite ore composited with ZnO nanoneedles for energy applications. Composites Part B: Engineering, 2018, 137, 178-183.	12.0	29
68	Advanced Fuel Cell Based on Perovskite La–SrTiO ₃ Semiconductor as the Electrolyte with Superoxide-Ion Conduction. ACS Applied Materials & Interfaces, 2018, 10, 33179-33186.	8.0	103
69	Crafting MoC2-doped bimetallic alloy nanoparticles encapsulated within N-doped graphene as roust bifunctional electrocatalysts for overall water splitting. Nano Energy, 2018, 50, 212-219.	16.0	205
70	Single-phase electronic-ionic conducting Sm3+/Pr3+/Nd3+ triple-doped ceria for new generation fuel cell technology. International Journal of Hydrogen Energy, 2018, 43, 12817-12824.	7.1	18
71	Study on Zinc Oxide-Based Electrolytes in Low-Temperature Solid Oxide Fuel Cells. Materials, 2018, 11, 40.	2.9	69
72	Semiconductor-ionic materials could play an important role in advanced fuel-to-electricity conversion. International Journal of Energy Research, 2018, 42, 3413-3415.	4.5	28

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73	Electrical properties of nanocube CeO2 in advanced solid oxide fuel cells. International Journal of Hydrogen Energy, 2018, 43, 12909-12916.	7.1	87
74	Polymer-assistant ceramic nanocomposite materials for advanced fuel cell technologies. Ceramics International, 2017, 43, 5484-5489.	4.8	9
75	Strategy towards cost-effective low-temperature solid oxide fuel cells: A mixed-conductive membrane comprised of natural minerals and perovskite oxide. Journal of Power Sources, 2017, 342, 779-786.	7.8	42
76	Natural CuFe2O4 mineral for solid oxide fuel cells. International Journal of Hydrogen Energy, 2017, 42, 17514-17521.	7.1	27
77	Charge separation and transport in La 0.6 Sr 0.4 Co 0.2 Fe 0.8 O 3-δ and ion-doping ceria heterostructure material for new generation fuel cell. Nano Energy, 2017, 37, 195-202.	16.0	115
78	La0.1SrxCa0.9â^'xMnO3â^'Î-Sm0.2Ce0.8O1.9 composite material for novel low temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2017, 42, 17552-17558.	7.1	27
79	Industrial grade rare-earth triple-doped ceria applied for advanced low-temperature electrolyte layer-free fuel cells. International Journal of Hydrogen Energy, 2017, 42, 22273-22279.	7.1	21
80	Analysis of a perovskite-ceria functional layer-based solid oxide fuel cell. International Journal of Hydrogen Energy, 2017, 42, 17536-17543.	7.1	7
81	Electrochemical investigation of mixed metal oxide nanocomposite electrode for low temperature solid oxide fuel cell. International Journal of Modern Physics B, 2017, 31, 1750193.	2.0	2
82	Rare-earth oxide–Li0.3Ni0.9Cu0.07Sr0.03O2-δ composites for advanced fuel cells. International Journal of Hydrogen Energy, 2017, 42, 22214-22221.	7.1	5
83	An ionic conductor Ce0.8Sm0.2O2â^î´ (SDC) and semiconductor Sm0.5Sr0.5CoO3 (SSC) composite for high performance electrolyte-free fuel cell. International Journal of Hydrogen Energy, 2017, 42, 22228-22234.	7.1	35
84	Electrochemical properties of LaCePr-oxide/K 2 WO 4 composite electrolyte for low-temperature SOFCs. Electrochemistry Communications, 2017, 77, 44-48.	4.7	29
85	Bioderived Calcite as Electrolyte for Solid Oxide Fuel Cells: A Strategy toward Utilization of Waste Shells. ACS Sustainable Chemistry and Engineering, 2017, 5, 10387-10395.	6.7	17
86	Low-temperature fuel cells using a composite of redox-stable perovskite oxide La0.7Sr0.3Cr0.5Fe0.5O3-δ and ionic conductor. Journal of Power Sources, 2017, 366, 259-264.	7.8	28
87	The electrolyte-layer free fuel cell using aÂsemiconductor-ionic Sr2Fe1.5Mo0.5O6-δ – Ce0.8Sm0.2O2-δ composite functional membrane. International Journal of Hydrogen Energy, 2017, 42, 25001-25007.	7.1	32
88	Semiconductor-ionic Membrane of LaSrCoFe-oxide-doped Ceria Solid Oxide Fuel Cells. Electrochimica Acta, 2017, 248, 496-504.	5.2	74
89	Charge transport study of perovskite solar cells through constructing electron transport channels. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700089.	1.8	5
90	Standardized Procedures Important for Improving Single-Component Ceramic Fuel Cell Technology. ACS Energy Letters, 2017, 2, 2752-2755.	17.4	30

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91	Nanocomposites for "nano green energy―applications. , 2017, , 421-449.		0
92	Enhanced ionic conductivity of yttria-stabilized ZrO2 with natural CuFe-oxide mineral heterogeneous composite for low temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2017, 42, 17495-17503.	7.1	37
93	Superionic Conductivity of Sm ³⁺ , Pr ³⁺ , and Nd ³⁺ Triple-Doped Ceria through Bulk and Surface Two-Step Doping Approach. ACS Applied Materials & Interfaces, 2017, 9, 23614-23623.	8.0	98
94	Role of carbonate phase in ceria-carbonate composite for low temperature solid oxide fuel cells: A review. International Journal of Energy Research, 2017, 41, 465-481.	4.5	53
95	Nanotechnology Based Green Energy Conversion Devices with Multifunctional Materials at Low Temperatures. Recent Patents on Nanotechnology, 2017, 11, 85-92.	1.3	3
96	Progress in Electrolyte-Free Fuel Cells. Frontiers in Energy Research, 2016, 4, .	2.3	17
97	A Brief Description of High Temperature Solid Oxide Fuel Cell's Operation, Materials, Design, Fabrication Technologies and Performance. Applied Sciences (Switzerland), 2016, 6, 75.	2.5	128
98	Scaling Up and Characterization of Single‣ayer Fuel Cells. Energy Technology, 2016, 4, 967-972.	3.8	4
99	Hybrid power generation system of solar energy and fuel cells. International Journal of Energy Research, 2016, 40, 717-725.	4.5	18
100	Natural Hematite for Nextâ€Generation Solid Oxide Fuel Cells. Advanced Functional Materials, 2016, 26, 938-942.	14.9	85
101	The fuel cells studies from ionic electrolyte Ce0.8Sm0.05Ca0.15O2â^'Î^ to the mixture layers with semiconductor Ni0.8Co0.15Al0.05LiO2â^'δ. International Journal of Hydrogen Energy, 2016, 41, 18761-18768.	7.1	57
102	Photovoltaic properties of LixCo3â^'xO4/TiO2 heterojunction solar cells with high open-circuit voltage. Solar Energy Materials and Solar Cells, 2016, 157, 126-133.	6.2	18
103	LiNiFe-based layered structure oxide and composite for advanced single layer fuel cells. Journal of Power Sources, 2016, 316, 37-43.	7.8	42
104	Fabrication of novel electrolyte-layer free fuel cell with semi-ionic conductor (Ba0.5Sr0.5Co0.8Fe0.2O3ⴴδ- Sm0.2Ce0.8O1.9) and Schottky barrier. Journal of Power Sources, 2016, 328, 136-142.	7.8	50
105	Lanthanum-doped Calcium Manganite (La0.1Ca0.9MnO3) Cathode for Advanced Solid Oxide Fuel Cell (SOFC). Materials Today: Proceedings, 2016, 3, 2698-2706.	1.8	9
106	Design, fabrication and characterization of a double layer solid oxide fuel cell (DLFC). Journal of Power Sources, 2016, 332, 8-15.	7.8	21
107	Natural Mineral-Based Solid Oxide Fuel Cell with Heterogeneous Nanocomposite Derived from Hematite and Rare-Earth Minerals. ACS Applied Materials & Interfaces, 2016, 8, 20748-20755.	8.0	59
108	Mixed ionic-electronic conductor membrane based fuel cells by incorporating semiconductor Ni 0.8 Co 0.15 Al 0.05 LiO 2â^'δ into the Ce 0.8 Sm 0.2 O 2â^'δ -Na 2 CO 3 electrolyte. International Journal of Hydrogen Energy, 2016, 41, 15346-15353.	7.1	49

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109	Preparation and characterization of Sm and Ca co-doped ceria–La _{0.6} Sr _{0.4} Co _{0.2} Fe _{0.8} O _{3â^îſ} semicondu composites for electrolyte-layer-free fuel cells. Journal of Materials Chemistry A, 2016, 4, 15426-15436.	uc torâ €"ic	n@7
110	CoFeZrAl-oxide based composite for advanced solid oxide fuel cells. Electrochemistry Communications, 2016, 73, 15-19.	4.7	21
111	Steam/CO2 electrolysis in symmetric solid oxide electrolysis cell with barium cerate-carbonate composite electrolyte. Electrochimica Acta, 2016, 190, 193-198.	5.2	25
112	Industrial-grade rare-earth and perovskite oxide for high-performance electrolyte layer-free fuel cell. Journal of Power Sources, 2016, 307, 270-279.	7.8	91
113	Cobalt oxides coated commercial Ba0.5Sr0.5Co0.8Fe0.2O3â^î́r as high performance cathode for low-temperature SOFCs. Electrochimica Acta, 2016, 191, 223-229.	5.2	27
114	All in One Multifunctional Perovskite Material for Next Generation SOFC. Electrochimica Acta, 2016, 193, 225-230.	5.2	37
115	Novel fuel cell with nanocomposite functional layer designed by perovskite solar cell principle. Nano Energy, 2016, 19, 156-164.	16.0	137
116	Flowerlike CeO2 microspheres coated with Sr2Fe1.5Mo0.5Ox nanoparticles for an advanced fuel cell. Scientific Reports, 2015, 5, 11946.	3.3	25
117	Composite electrolyte with proton conductivity for low-temperature solid oxide fuel cell. Applied Physics Letters, 2015, 107, .	3.3	15
118	Schottky Junction Effect on High Performance Fuel Cells Based on Nanocomposite Materials. Advanced Energy Materials, 2015, 5, 1401895.	19.5	166
119	Floss-like Ni–Co binary hydroxides assembled by whisker-like nanowires for high-performance supercapacitor. Ionics, 2015, 21, 1655-1663.	2.4	16
120	Significant enhancement of UV emission in ZnO nanorods subject to Ga+ ion beam irradiation. Nano Research, 2015, 8, 1857-1864.	10.4	9
121	Scaled up low-temperature SOFCs with symmetrical electrode for applications. Journal of Solid State Electrochemistry, 2015, 19, 2361-2368.	2.5	2
122	Electrochemical study of lithiated transition metal oxide composite for single layer fuel cell. Journal of Power Sources, 2015, 286, 388-393.	7.8	39
123	Synthesis of Ba 0.3 Ca 0.7 Co 0.8 Fe 0.2 O $3 \cdot \hat{l}$ composite material as novel catalytic cathode for ceria-carbonate electrolyte fuel cells. Electrochimica Acta, 2015, 178, 385-391.	5.2	30
124	Significance enhancement in the conductivity of core shell nanocomposite electrolytes. RSC Advances, 2015, 5, 86322-86329.	3.6	31
125	Comparative study on three commercial carbons for supercapacitor applications. Russian Journal of Electrochemistry, 2015, 51, 77-85.	0.9	15
126	Effects of composition on the electrochemical property and cell performance of single layer fuel cell. Journal of Power Sources, 2015, 275, 476-482.	7.8	40

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127	Ceria-carbonate composite for low temperature solid oxide fuel cell: Sintering aid and composite effect. International Journal of Hydrogen Energy, 2014, 39, 12309-12316.	7.1	40
128	Ce _{0.8} (SmZr) _{0.2} O ₂ -carbonate nanocomposite electrolyte for solid oxide fuel cell. International Journal of Energy Research, 2014, 38, 524-529.	4.5	31
129	Electrochemical study of nanostructured electrode for low-temperature solid oxide fuel cell (LTSOFC). International Journal of Energy Research, 2014, 38, 518-523.	4.5	34
130	A commercial lithium battery LiMn-oxide for fuel cell applications. Materials Letters, 2014, 126, 85-88.	2.6	10
131	Highly Oxidized Graphene Anchored Ni(OH) ₂ Nanoflakes as Pseudocapacitor Materials for Ultrahigh Loading Electrode with High Areal Specific Capacitance. Journal of Physical Chemistry C, 2014, 118, 24866-24876.	3.1	55
132	Functional semiconductor–ionic composite GDC–KZnAl/LiNiCuZnOx for single-component fuel cell. RSC Advances, 2014, 4, 9920.	3.6	42
133	Study on GDC-KZnAl composite electrolytes for low-temperature solid oxide fuel cells. International Journal of Hydrogen Energy, 2014, 39, 17460-17465.	7.1	17
134	Microstructure and catalytic activity of Li 0.15 Ni 0.25 Cu 0.3 Zn 0.3 O 2â^l̂ -Ce 0.8 Sm 0.2 O 1.9 -carbonate nanocomposite materials functioning as single component fuel cell. International Journal of Hydrogen Energy, 2014, 39, 19140-19147.	7.1	8
135	Effect of titania concentration on the grain boundary conductivity of calcium-doped ceria electrolyte. Ceramics International, 2014, 40, 9775-9781.	4.8	16
136	Synthesis of hierarchically porous LiNiCuZn-oxide and its electrochemical performance for low-temperature fuel cells. International Journal of Hydrogen Energy, 2014, 39, 12317-12322.	7.1	19
137	Fabrication of electrolyte-free fuel cell with Mg0.4Zn0.6O/Ce0.8Sm0.2O2â^î^–Li0.3Ni0.6Cu0.07Sr0.03O2â^î^ layer. Journal of Power Sources, 2014, 248, 577-581.	7.8	44
138	Understanding the electrochemical mechanism of the core–shell ceria–LiZnO nanocomposite in a low temperature solid oxide fuel cell. Journal of Materials Chemistry A, 2014, 2, 5399.	10.3	62
139	Time-dependent performance change of single layer fuel cell with Li0.4Mg0.3Zn0.3O/Ce0.8Sm0.2O2â ´´Î´ composite. International Journal of Hydrogen Energy, 2014, 39, 10718-10723.	7.1	33
140	Direct lignin fuel cell for power generation. RSC Advances, 2013, 3, 5083.	3.6	55
141	Recent development of ceria-based (nano)composite materials for low temperature ceramic fuel cells and electrolyte-free fuel cells. Journal of Power Sources, 2013, 234, 154-174.	7.8	229
142	Breakthrough fuel cell technology using ceria-based multi-functional nanocomposites. Applied Energy, 2013, 106, 163-175.	10.1	126
143	A new energy conversion technology based on nano-redox and nano-device processes. Nano Energy, 2013, 2, 1179-1185.	16.0	117
144	Studies of modified lithiated NiO cathode for low temperature solid oxide fuel cell with ceria-carbonate composite electrolyte. International Journal of Hydrogen Energy, 2013, 38, 370-376.	7.1	34

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#	Article	IF	CITATIONS
145	Electrochemical study of lithiated transition metal oxide composite as symmetrical electrode for low temperature ceramic fuel cells. International Journal of Hydrogen Energy, 2013, 38, 11398-11405.	7.1	80
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