Shanwen Tao

List of Publications by Year
in descending order

162 papers	12,629 citations	36303 51 h-index	29157 104 g-index
170 all docs	170 docs citations	170 times ranked	9380 citing authors

#	Article	IF	Citations
1	Evaluating the effectiveness of<i>in situ</i>characterization techniques in overcoming mechanistic limitations in lithiumâ€“sulfur batteries. Energy and Environmental Science, 2022, 15, 1423-1460.	30.8	37
2	Historical development and novel concepts on electrolytes for aqueous rechargeable batteries. Energy and Environmental Science, 2022, 15, 1805-1839.	30.8	71
3	Key materials and future perspective for aqueous rechargeable lithium-ion batteries. Materials Reports Energy, 2022, 2, 100096.	3.2	6
4	Electrooxidation of ammonia on A-site deficient perovskite oxide La0.9Ni0.6Cu0.35Fe0.05O3-Î´ for wastewater treatment. Separation and Purification Technology, 2022, 297, 121451.	7.9	13
5	Oxygen Vacancyâ€Rich La_{0.5}Sr_{1.5}Ni_{0.9}Cu_{0.1}O_{4â€“Î´} as a Highâ€Performance Bifunctional Catalyst for Symmetric Ammonia Electrolyzer. Advanced Functional Materials, 2022, 32, .	14.9	19
6	Recent progress in ammonia fuel cells and their potential applications. Journal of Materials Chemistry A, 2021, 9, 727-752.	10.3	177
7	Development and Recent Progress on Ammonia Synthesis Catalysts for Haberâ€“Bosch Process. Advanced Energy and Sustainability Research, 2021, 2, 2000043.	5.8	188
8	<i>SusMat</i>: Materials innovation for sustainable development. SusMat, 2021, 1, 2-3.	14.9	4
9	Cation doped cerium oxynitride with anion vacancies for Fe-based catalyst with improved activity and oxygenate tolerance for efficient synthesis of ammonia. Applied Catalysis B: Environmental, 2021, 285, 119843.	20.2	25
10	Nitrate-based â€˜oversaturated gel electrolyteâ€™ for high-voltage and high-stability aqueous lithium batteries. Energy Storage Materials, 2021, 37, 598-608.	18.0	19
11	Recent development of perovskite oxide-based electrocatalysts and their applications in low to intermediate temperature electrochemical devices. Materials Today, 2021, 49, 351-377.	14.2	91
12	Roadmap on inorganic perovskites for energy applications. JPhys Energy, 2021, 3, 031502.	5.3	40
13	<i>N</i>,<i>N</i>-Dimethylacetamide-Diluted Nitrate Electrolyte for Aqueous Zn//LiMn₂O₄ Hybrid Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 46634-46643.	8.0	14
14	Acetate-based â€˜oversaturated gel electrolyteâ€™ enabling highly stable aqueous Zn-MnO2 battery. Energy Storage Materials, 2021, 42, 240-251.	18.0	25
15	An Efficient Symmetric Electrolyzer Based On Bifunctional Perovskite Catalyst for Ammonia Electrolysis. Advanced Science, 2021, 8, e2101299.	11.2	34
16	Improved stability and activity of Fe-based catalysts through strong metal support interactions due to extrinsic oxygen vacancies in Ce_{0.8}Sm_{0.2}O_{2âˆ’Î´} for the efficient synthesis of ammonia. Journal of Materials Chemistry A, 2020, 8, 16676-16689.	10.3	30
17	Electricity Generation from Ammonia in Landfill Leachate by an Alkaline Membrane Fuel Cell Based on Precious-Metal-Free Electrodes. ACS Sustainable Chemistry and Engineering, 2020, 8, 12817-12824.	6.7	20
18	RuCo alloy bimodal nanoparticles embedded in N-doped carbon: a superior pH-universal electrocatalyst outperforms benchmark Pt for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 12810-12820.	10.3	69

#	Article	IF	Citations
19	Effect of cation size on alkali acetate-based â€˜water-in-bisaltâ€™ electrolyte and its application in aqueous rechargeable lithium battery. Applied Materials Today, 2020, 20, 100728.	4.3	10
20	A highly stable Cu(OH)2-Poly(vinyl alcohol) nanocomposite membrane for dramatically enhanced direct borohydride fuel cell performance. Journal of Power Sources, 2020, 467, 228312.	7.8	8
21	Salt-concentrated acetate electrolytes for a high voltage aqueous Zn/MnO2 battery. Energy Storage Materials, 2020, 28, 205-215.	18.0	136
22	Perchlorate Based â€œOversaturated Gel Electrolyteâ€•for an Aqueous Rechargeable Hybrid Znâ€“Li Battery. ACS Applied Energy Materials, 2020, 3, 2526-2536.	5.1	31
23	Preferentially oriented large antimony trisulfide single-crystalline cuboids grown on polycrystalline titania film for solar cells. Communications Chemistry, 2019, 2, .	4.5	45
24	Investigation of perovskite oxide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:msub><mml:mrow><mml:mtext>SrFe</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.8</mr International Journal of Hydrogen Energy, 2019, 44, 26554-26564.	7.1	12
25	Investigation of Perovskite Oxide SrCo 0.8 Cu 0.1 Nb 0.1 O 3â€“ Î´ as a Cathode Material for Room Temperature Direct Ammonia Fuel Cells. ChemSusChem, 2019, 12, 2788-2794.	6.8	19
26	Construction of porous N-doped graphene layer for efficient oxygen reduction reaction. Chemical Engineering Science, 2019, 194, 36-44.	3.8	34
27	Growth of Compact CH₃NH₃PbI₃ Thin Films Governed by the Crystallization in PbI₂ Matrix for Efficient Planar Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 8649-8658.	8.0	17
28	Preparation of nanoporous nickel copper sulfide on carbon cloth for high-performance hybrid supercapacitors. Electrochimica Acta, 2018, 273, 170-180.	5.2	45
29	Electrodeposited NiCu bimetal on carbon paper as stable non-noble anode for efficient electrooxidation of ammonia. Applied Catalysis B: Environmental, 2018, 237, 1101-1109.	20.2	130
30	Advances in reforming and partial oxidation of hydrocarbons for hydrogen production and fuel cell applications. Renewable and Sustainable Energy Reviews, 2018, 82, 761-780.	16.4	307
31	Introducing catalyst in alkaline membrane for improved performance direct borohydride fuel cells. Journal of Power Sources, 2018, 374, 113-120.	7.8	17
32	Interface formation and Mn segregation of directly assembled La0.8Sr0.2MnO3 cathode on Y2O3-ZrO2 and Gd2O3-CeO2 electrolytes of solid oxide fuel cells. Solid State Ionics, 2018, 325, 176-188.	2.7	19
33	Promotion effect of proton-conducting oxide BaZr0.1Ce0.7Y0.2O3â^'Î´ on the catalytic activity of Ni towards ammonia synthesis from hydrogen and nitrogen. International Journal of Hydrogen Energy, 2018, 43, 17726-17736.	7.1	32
34	Redox-reversible perovskite ferrite cathode for high temperature solid oxide steam electrolyser. Electrochimica Acta, 2017, 229, 48-54.	5.2	11
35	Conductivity and redox stability of new perovskite oxides SrFe0.7TM0.2Ti0.1O3-Î´ (TM = Mn, Fe, Co, Ni,) Tj ETQq1 1 0.784314 rgBT /Ov	2.7	9
36	Synthesis of Li₂Ni₂(MoO₄)₃ as a high-performance positive electrode for asymmetric supercapacitors. RSC Advances, 2017, 7, 13304-13311.	3.6	28

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37	Highly active Niâ€"Fe double hydroxides as anode catalysts for electrooxidation of urea. New Journal of Chemistry, 2017, 41, 4190-4196.	2.8	79
38	Progress in inorganic cathode catalysts for electrochemical conversion of carbon dioxide into formate or formic acid. Journal of Applied Electrochemistry, 2017, 47, 661-678.	2.9	75
39	Efficient CO 2 electrolysis with scandium doped titanate cathode. International Journal of Hydrogen Energy, 2017, 42, 8197-8206.	7.1	27
40	Metalâ€"polydopamine frameworks and their transformation to hollow metal/N-doped carbon particles. Nanoscale, 2017, 9, 5323-5328.	5.6	140
41	Synthesis of NiMoS₄for High-Performance Hybrid Supercapacitors. Journal of the Electrochemical Society, 2017, 164, A2881-A2888.	2.9	55
42	Directly growing hierarchical nickel-copper hydroxide nanowires on carbon fibre cloth for efficient electrooxidation of ammonia. Applied Catalysis B: Environmental, 2017, 218, 470-479.	20.2	122
43	Electrochemical synthesis of ammonia from wet nitrogen via a dual-chamber reactor using La 0.6 Sr 0.4 Co 0.2 Fe 0.8 O 3â^ˆ' Î´ -Ce 0.8 Gd 0.18 Ca 0.02 O 2â^ˆ'Î´ composite cathode. Catalysis Today, 2017, 286, 51-56.	4.4	37
44	Demonstration of direct conversion of CO 2 /H 2 O into syngas in a symmetrical proton-conducting solid oxide electrolyzer. International Journal of Hydrogen Energy, 2016, 41, 1170-1175.	7.1	20
45	Recent progress in electrocatalysts with mesoporous structures for application in polymer electrolyte membrane fuel cells. Journal of Materials Chemistry A, 2016, 4, 16272-16287.	10.3	55
46	Achieving Both High Selectivity and Current Density for CO₂ Reduction to Formate on Nanoporous Tin Foam Electrocatalysts. ChemistrySelect, 2016, 1, 1711-1715.	1.5	38
47	Ureaâ€Based Fuel Cells and Electrocatalysts for Urea Oxidation. Energy Technology, 2016, 4, 1329-1337.	3.8	189
48	A simple high-performance matrix-free biomass molten carbonate fuel cell without CO ₂ recirculation. Science Advances, 2016, 2, e1600772.	10.3	21
49	Preparation of a hybrid Cu₂O/CuMoO₄ nanosheet electrode for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2016, 4, 17749-17756.	10.3	71
50	A perovskite oxide with high conductivities in both air and reducing atmosphere for use as electrode for solid oxide fuel cells. Scientific Reports, 2016, 6, 31839.	3.3	41
51	Conductivity and redox stability of new double perovskite oxide Sr1.6K0.4Fe1+x Mo1âˆ'x O6âˆ'Î´ (xÂ=Â0.2, 0.4,) Tj ETQq1 1 0.784314 rg	3.7	12
52	A scandium-doped manganate anode for a proton-conducting solid oxide steam electrolyzer. RSC Advances, 2016, 6, 641-647.	3.6	20
53	Titanate cathodes with enhanced electrical properties achieved via growing surface Ni particles toward efficient carbon dioxide electrolysis. Physical Chemistry Chemical Physics, 2016, 18, 3137-3143.	2.8	36
54	Conductivity and redox stability of perovskite oxide SrFe1-xTixO3-Î´ (xÂâ‰Â0.3). Solid State Sciences, 2015, 46, 62-70.	3.2	30

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55	High Ionic Conductivity in a LiFeO₂â€"LiAlO₂ Composite Under H₂/Air Fuel Cell Conditions. Chemistry - A European Journal, 2015, 21, 1350-1358.	3.3	28
56	Study on Direct Flame Solid Oxide Fuel Cell Using Flat Burner and Ethylene Flame. ECS Transactions, 2015, 68, 1989-1999.	0.5	14
57	Synthesis of ammonia directly from wet nitrogen using a redox stable La_{0.75}Sr_{0.25}Cr_{0.5}Fe_{0.5}O_{3â^'Î´}â€"Ce_{0.8}Gd<sub>0.18 cathode. RSC Advances, 2015, 5, 38977-38983.	3.6	29
58	Synthesis of ammonia directly from wet air using Sm_{0.6}Ba_{0.4}Fe_{0.8}Cu_{0.2}O_{3â^'Î´} as the catalyst. Faraday Discussions, 2015, 182, 353-363.	3.2	19
59	Electrochemical Synthesis of Ammonia Based on Co3Mo3N Catalyst and LiAlO2â€"(Li,Na,K)2CO3 Composite Electrolyte. Electrocatalysis, 2015, 6, 286-294.	3.0	37
60	System studies and understanding durability: general discussion. Faraday Discussions, 2015, 182, 437-456.	3.2	0
61	Conductivity and redox stability of double perovskite oxide SrCaFe1+xMo1â€"xO6â€"Î´ (xÂ=Â0.2, 0.4, 0.6). Materials Chemistry and Physics, 2015, 168, 50-57.	4.0	10
62	Electrochemical Synthesis of Ammonia Directly from Wet N2Using La0.6Sr0.4Fe0.8Cu0.2O3-Î´-Ce0.8Gd0.18Ca0.02O2-Î´Composite Catalyst. Journal of the Electrochemical Society, 2014, 161, H350-H354.	2.9	20
63	New Layered Protonâ€Conducting Oxides Li_{<i>x</i>}Al_{0.6}Co_{0.4}O₂ and Li_{<i>x</i>}Al_{0.7}Co_{0.3}O₂. ChemElectroChem, 2014, 1, 2098-2103.	3.4	11
64	Electrochemical synthesis of ammonia from N2 and H2O based on (Li,Na,K)2CO3â€"Ce0.8Gd0.18Ca0.02O2â^'Î´ composite electrolyte and CoFe2O4 cathode. International Journal of Hydrogen Energy, 2014, 39, 4322-4330.	7.1	52
65	Effects of cobalt addition on structural, thermal and electrical properties of praseodymium-yttrium co-doped barium cerates. Journal of Electroceramics, 2014, 32, 344-352.	2.0	4
66	Novel Proton Conductors in the Layered Oxide Material Li_xlAl_{0.5}Co_{0.5}O₂. Advanced Energy Materials, 2014, 4, 1301683.	19.5	95
67	Synthesis of ammonia directly from wet air at intermediate temperature. Applied Catalysis B: Environmental, 2014, 152-153, 212-217.	20.2	91
68	Structural, thermal and electrical properties of Bi and Y co-doped barium zirconium cerates. Ionics, 2014, 20, 363-371.	2.4	8
69	Electrochemical synthesis of ammonia from wet nitrogen using La0.6Sr0.4FeO3â^'Î´â€"Ce0.8Gd0.18Ca0.02O2â^'Î´ composite cathode. RSC Advances, 2014, 4, 18749-18754.	3.6	22
70	Preparation of dense La0.5Sr0.5Fe0.8Cu0.2O3â^'Î´â€"(Li,Na)2CO3â€"LiAlO2 composite membrane for CO2 separation. Journal of Membrane Science, 2014, 468, 380-388.	8.2	25
71	Synthesis of ammonia directly from wet air using new perovskite oxide La0.8Cs0.2Fe0.8Ni0.2O3-Î´ as catalyst. Electrochimica Acta, 2014, 123, 582-587.	5.2	45
72	Electrochemical synthesis of ammonia directly from air and water using a Li+/H+/NH4+ mixed conducting electrolyte. RSC Advances, 2013, 3, 18016.	3.6	105

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73	Structure and conductivity of praseodymium and yttrium co-doped barium cerates. Solid State Sciences, 2013, 17, 115-121.	3.2	13
74	Structure and conductivity of rutile niobium iron titanate. Solid State Ionics, 2013, 236, 48-53.	2.7	5
75	An intermediate temperature fuel cell based on composite electrolyte of carbonate and doped barium cerate with SrFe0.7Mn0.2Mo0.1O3â^'Î´ cathode. International Journal of Hydrogen Energy, 2013, 38, 16546-16551.	7.1	13
76	Synthesis of ammonia directly from air and water at ambient temperature and pressure. Scientific Reports, 2013, 3, 1145.	3.3	339
77	Ammonia Carbonate Fuel Cells Based on a Mixed NH4+/H+ Ion Conducting Electrolyte. ECS Electrochemistry Letters, 2013, 2, F37-F40.	1.9	17
78	Preparation of Silver Nanoparticles by a Non-Aqueous Solâ€"Gel Process. Journal of Nanoscience and Nanotechnology, 2013, 13, 5445-5451.	0.9	2
79	Electro-Responsive Polystyrene Shape Memory Polymer Nanocomposites. Nanoscience and Nanotechnology Letters, 2012, 4, 814-820.	0.4	26
80	Ammonia and related chemicals as potential indirect hydrogen storage materials. International Journal of Hydrogen Energy, 2012, 37, 1482-1494.	7.1	852
81	Direct Synthesis of Ni Nanoparticles by a Non-Aqueous Solâ€"Gel Process. Nanoscience and Nanotechnology Letters, 2012, 4, 136-141.	0.4	7
82	Structure, conductivity and redox reversibility of Ca-doped cerium metavanadate. Journal of Materials Chemistry, 2011, 21, 8854.	6.7	18
83	Novel redox reversible oxide, Sr-doped cerium orthovanadate to metavanadate. Journal of Materials Chemistry, 2011, 21, 525-531.	6.7	26
84	Conductivity and stability of cobalt pyrovanadate. Journal of Alloys and Compounds, 2011, 509, 4117-4121.	5.5	11
85	Electrochemical synthesis of ammonia based on doped-ceria-carbonate composite electrolyte and perovskite cathode. Solid State Ionics, 2011, 201, 94-100.	2.7	89
86	Fabrication of solid oxide fuel cell based on doped ceria electrolyte by one-step sintering at 800Â°C. Solid State Ionics, 2011, 203, 47-51.	2.7	18
87	Anionic membrane and ionomer based on poly(2,6-dimethyl-1,4-phenylene oxide) for alkaline membrane fuel cells. Journal of Power Sources, 2011, 196, 8272-8279.	7.8	46
88	Study on conductivity and redox stability of iron orthovanadate. Materials Chemistry and Physics, 2011, 126, 614-618.	4.0	17
89	An intermediate temperature solid oxide fuel cell fabricated by one step co-press-sintering. International Journal of Hydrogen Energy, 2011, 36, 14643-14647.	7.1	18
90	Structure, conductivity and redox stability of solid solution Ce1â^'x Ca x VO4 (0Ââ‰ÂxÂâ‰Â0.4125). Journal of Materials Science, 2011, 46, 316-326.	3.7	16

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91	Solid-state electrochemical synthesis of ammonia: a review. Journal of Solid State Electrochemistry, 2011, 15, 1845-1860.	2.5	271
92	A stable NH4PO3-glass proton conductor for intermediate temperature fuel cells. Solid State Ionics, 2011, 192, 108-112.	2.7	9
93	Recent Progress in the Development of Anode Materials for Solid Oxide Fuel Cells. Advanced Energy Materials, 2011, 1, 314-332.	19.5	319
94	A stable intermediate temperature fuel cell based on doped-ceriaâ€"carbonate composite electrolyte and perovskite cathode. Electrochemistry Communications, 2011, 13, 582-585.	4.7	45
95	Preparation of nano-sized nickel as anode catalyst for direct urea and urine fuel cells. Journal of Power Sources, 2011, 196, 5021-5026.	7.8	141
96	Electrochemical synthesis of ammonia based on a carbonate-oxide composite electrolyte. Solid State Ionics, 2011, 182, 133-138.	2.7	84
97	Synthesis of Dendritic Nanoâ€Sized Nickel for use as Anode Material in an Alkaline Membrane Fuel Cell. Fuel Cells, 2010, 10, 72-76.	2.4	5
98	A redox-stable efficient anode for solid-oxide fuel cells. , 2010, , 259-262.		730
99	A fuel cell operating between room temperature and 250Â°C based on a new phosphoric acid based composite electrolyte. Journal of Power Sources, 2010, 195, 6983-6987.	7.8	15
100	Proton conductivity of potassium doped barium zirconates. Journal of Solid State Chemistry, 2010, 183, 93-98.	2.9	28
101	Structure and conductivity of strontium-doped cerium orthovanadates Ce1âˆ'Sr VO4 (0â‰xâ‰0.175). Journal of Solid State Chemistry, 2010, 183, 1231-1238.	2.9	18
102	Durability study of an intermediate temperature fuel cell based on an oxideâ€"carbonate composite electrolyte. International Journal of Hydrogen Energy, 2010, 35, 6934-6940.	7.1	46
103	Cost-effective solid oxide fuel cell prepared by single step co-press-firing process with lithiated NiO cathode. Electrochemistry Communications, 2010, 12, 1589-1592.	4.7	27
104	Intermediate temperature stable proton conductors based upon SnP2O7, including additional H3PO4. Journal of Materials Chemistry, 2010, 20, 7827.	6.7	37
105	A direct urea fuel cell â€" power from fertiliser and waste. Energy and Environmental Science, 2010, 3, 438.	30.8	335
106	Direct Ammonia Alkaline Anion-Exchange Membrane Fuel Cells. Electrochemical and Solid-State Letters, 2010, 13, B83.	2.2	139
107	CuInS2 quantum dots synthesized by a solvothermal route and their application as effective electron acceptors for hybrid solar cells. Journal of Materials Chemistry, 2010, 20, 7570.	6.7	180
108	Proton conductivity of Al(H2PO4)3â€"H3PO4 composites at intermediate temperature. Solid State Ionics, 2009, 180, 343-350.	2.7	18

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109	Conductivity of SnP2O7 and In-doped SnP2O7 prepared by an aqueous solution method. Solid State Ionics, 2009, 180, 148-153.	2.7	64
110	A high performance intermediate temperature fuel cell based on a thick oxideâ€"carbonate electrolyte. Journal of Power Sources, 2009, 194, 967-971.	7.8	47
111	Stability and conductivity study of NH4PO3â€"PTFE composites at intermediate temperatures. Journal of Alloys and Compounds, 2009, 480, 874-877.	5.5	9
112	Conductivity of a new pyrophosphate Sn0.9Sc0.1(P2O7)1â^ˆÎ´ prepared by an aqueous solution method. Journal of Alloys and Compounds, 2009, 486, 380-385.	5.5	30
113	Low-temperature protonic ceramic membrane fuel cells (PCMFCs) with SrCo0.9Sb0.1O3â^'Î´ cubic perovskite cathode. Journal of Power Sources, 2008, 185, 937-940.	7.8	23
114	Stable, easily sintered BaCe0.5Zr0.3Y0.16Zn0.04O3â^'Î´ electrolyte-based protonic ceramic membrane fuel cells with Ba0.5Sr0.5Zn0.2Fe0.8O3â^'Î´ perovskite cathode. Journal of Power Sources, 2008, 183, 479-484.	7.8	46
115	Structural and electrochemical properties of the perovskite oxide Pr0.7Sr0.3Cr0.9Ni0.1O3â^'Î´. Solid State Ionics, 2008, 179, 725-731.	2.7	17
116	Structural origins of the differing grain conductivity values in BaZr0.9Y0.1O2.95 and indication of novel approach to counter defect association. Journal of Materials Chemistry, 2008, 18, 3414.	6.7	88
117	An efficient ceramic-based anode for solid oxide fuel cells. Journal of Power Sources, 2007, 171, 663-669.	7.8	82
118	Conductivity studies of dense yttrium-doped BaZrO3 sintered at 1325Â°C. Journal of Solid State Chemistry, 2007, 180, 3493-3503.	2.9	274
119	Synthesis and growth features of copper hydroxide iodide nanoneedles. Materials Letters, 2007, 61, 846-849.	2.6	0
120	A symmetrical solid oxide fuel cell demonstrating redox stable perovskite electrodes. Journal of Materials Chemistry, 2006, 16, 1603.	6.7	373
121	Methane Oxidation at Redox Stable Fuel Cell Electrode La0.75Sr0.25Cr0.5Mn0.5O3-Î´. Journal of Physical Chemistry B, 2006, 110, 21771-21776.	2.6	97
122	Phase Transition in Perovskite Oxide La0.75Sr0.25Cr0.5Mn0.5O3-Î´ Observed by in Situ High-Temperature Neutron Powder Diffraction. Chemistry of Materials, 2006, 18, 5453-5460.	6.7	82
123	Electronic transport in the novel SOFC anode material La1â^'xSrxCr0.5Mn0.5O3Â±Î´. Solid State Ionics, 2006, 177, 2005-2008.	2.7	84
124	A Stable, Easily Sintered Proton- Conducting Oxide Electrolyte for Moderate-Temperature Fuel Cells and Electrolyzers. Advanced Materials, 2006, 18, 1581-1584.	21.0	365
125	An Efficient Solid Oxide Fuel Cell Based upon Single-Phase Perovskites. Advanced Materials, 2005, 17, 1734-1737.	21.0	178
126	Phase transition, thermal expansion and electrical properties of BiCu2VO6. Journal of Solid State Chemistry, 2005, 178, 2927-2933.	2.9	10

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127	Ionic conductivity of amorphous lithium lanthanum titanate thin film. Solid State Ionics, 2005, 176, 553-558.	2.7	62
128	Investigation of the Mixed Conducting Oxide ScYZT as a Potential SOFC Anode Material. Journal of the Electrochemical Society, 2004, 151, A497.	2.9	31
129	Discovery and characterization of novel oxide anodes for solid oxide fuel cells. Chemical Record, 2004, 4, 83-95.	5.8	174
130	Synthesis and Characterization of (La[sub 0.75]Sr[sub 0.25])Cr[sub 0.5]Mn[sub 0.5]O[sub 3â^'Î´], a Redox-Stable, Efficient Perovskite Anode for SOFCs. Journal of the Electrochemical Society, 2004, 151, A252.	2.9	363
131	Catalytic Properties of the Perovskite Oxide La0.75Sr0.25Cr0.5Fe0.5O3-Î´in Relation to Its Potential as a Solid Oxide Fuel Cell Anode Material. Chemistry of Materials, 2004, 16, 4116-4121.	6.7	178
132	Structural and Electrical Properties of the Perovskite Oxide Sr2FeNbO6. Chemistry of Materials, 2004, 16, 2309-2316.	6.7	63
133	Electrical properties in La2Sr4Ti6O19$minus;$delta;: a potential anode for high temperature fuel cells. Solid State Ionics, 2003, 159, 159-165.	2.7	127
134	A redox-stable efficient anode for solid-oxide fuel cells. Nature Materials, 2003, 2, 320-323.	27.5	1,114
135	Conductivity, Catalytic Property and Electrochemical Performance of a New Perovskite-Type SOFC Anode Material. ECS Proceedings Volumes, 2003, 2003-07, 793-802.	0.1	2
136	Synthesis, Crystal Structure, and Oxide Ion Conductivity in Bi4.6Ca1.1VO10.5. Chemistry of Materials, 2002, 14, 3700-3704.	6.7	6
137	Study on the structural and electrical properties of the double perovskite oxide SrMn0.5Nb0.5O3â^'Î´. Journal of Materials Chemistry, 2002, 12, 2356-2360.	6.7	32
138	Optimization of Mixed Conducting Properties of Y2O3â€"ZrO2â€"TiO2 and Sc2O3â€"Y2O3â€"ZrO2â€"TiO2 Solid Solutions as Potential SOFC Anode Materials. Journal of Solid State Chemistry, 2002, 165, 12-18.	2.9	55
139	Kinetics of the reactive sintering of kaolinite-aluminum hydroxide extrudate. Ceramics International, 2002, 28, 479-486.	4.8	46
140	Structure and properties of nonstoichiometric mixed perovskites A3Bâ€²1+xBâ€³2â^'xO9â^'Î´. Solid State Ionics, 2002, 154-155, 659-667.	2.7	14
141	Preparation and characterisation of apatite-type lanthanum silicates by a sol-gel process. Materials Research Bulletin, 2001, 36, 1245-1258.	5.2	217
142	Preparation and gas-sensing properties of CuFe2O4 at reduced temperature. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 77, 172-176.	3.5	143
143	Preparation and conductivity of solid high-proton conductor silica gels containing 12-tungstogermanic heteropoly acid. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 68, 161-165.	3.5	17
144	Ethanol-sensing characteristics of barium stannate prepared by chemical precipitation. Sensors and Actuators B: Chemical, 2000, 71, 223-227.	7.8	87

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145	Electric conductivity in Zn2+-substituted lithium sulfateâ€“alumina ceramics. Solid State Ionics, 2000, 136-137, 495-499.	2.7	3
146	Chemical stability study of Li2SO4 in a H2S/O2 fuel cell. Solid State Ionics, 2000, 127, 83-88.	2.7	11
147	Preparation, characterization and proton-conductivity of silica gel containing 71 wt.% 12-tungstogermanic heteropoly acid. Materials Chemistry and Physics, 2000, 64, 25-28.	4.0	9
148	Electrode materials for intermediate temperature proton-conducting fuel cells. Journal of Applied Electrochemistry, 2000, 30, 153-157.	2.9	25
149	Synthesis and ionic conduction of apatite-type materials. Ionics, 2000, 6, 389-396.	2.4	23
150	High-temperature stability study of the oxygen-ion conductor La0.9Sr0.1Ga0.8Mg0.2O3 â^' x. Journal of Materials Chemistry, 2000, 10, 1829-1833.	6.7	27
151	Preparation and properties of Î³-Fe2O3 and Y2O3 doped Î³-Fe2O3 by a solâ€“gel process. Sensors and Actuators B: Chemical, 1999, 61, 33-38.	7.8	44
152	Chemical stability study of Li2SO4 on the operation condition of a H2/O2 fuel cell. Solid State Ionics, 1999, 116, 29-33.	2.7	21
153	Preparation of LiMO2 (M=Co, Ni) cathode materials for intermediate temperature fuel cells by sol-gel processes. Solid State Ionics, 1999, 124, 53-59.	2.7	36
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