Ming Chen

List of Publications by Year
in descending order

147 papers	5,529 citations	81743 39 h-index	91712 69 g-index
150 all docs	150 docs citations	150 times ranked	4284 citing authors

#	Article	IF	Citations
1	Deformation Twinning in Nanocrystalline Aluminum. Science, 2003, 300, 1275-1277.	6.0	1,058
2	Ni/YSZ electrodes structures optimized for increased electrolysis performance and durability. Solid State Ionics, 2016, 293, 27-36.	1.3	155
3	Reversible solid-oxide cells for clean and sustainable energy. Clean Energy, 2019, 3, 175-201.	1.5	153
4	Microstructural Degradation of Ni/YSZ Electrodes in Solid Oxide Electrolysis Cells under High Current. Journal of the Electrochemical Society, 2013, 160, F883-F891.	1.3	136
5	Thermodynamic analysis of synthetic hydrocarbon fuel production in pressurized solid oxide electrolysis cells. International Journal of Hydrogen Energy, 2012, 37, 17101-17110.	3.8	134
6	Thermodynamic assessment of the Co-O system. Journal of Phase Equilibria and Diffusion, 2003, 24, 212-227.	0.3	126
7	Thermodynamic modeling of the ZrO2â€“YO1.5 system. Solid State Ionics, 2004, 170, 255-274.	1.3	115
8	Influence of the oxygen electrode and inter-diffusion barrier on the degradation of solid oxide electrolysis cells. Journal of Power Sources, 2013, 223, 349-357.	4.0	113
9	Microstructural studies on degradation of interface between LSMâ€“YSZ cathode and YSZ electrolyte in SOFCs. Solid State Ionics, 2009, 180, 1298-1304.	1.3	107
10	Comparison of microstructural evolution of fuel electrodes in solid oxide fuel cells and electrolysis cells. Journal of Power Sources, 2020, 450, 227599.	4.0	102
11	Corrosion stability of ferritic stainless steels for solid oxide electrolyser cell interconnects. Corrosion Science, 2010, 52, 3309-3320.	3.0	100
12	Electrical conductivity of Niâ€“YSZ composites: Degradation due to Ni particle growth. Solid State Ionics, 2011, 189, 82-90.	1.3	99
13	Relation Between Ni Particle Shape Change and Ni Migration in Niâ€“YSZ Electrodes â€“ a Hypothesis. Fuel Cells, 2017, 17, 434-441.	1.5	93
14	Stability of Niâ€“yttria stabilized zirconia anodes based on Ni-impregnation. Journal of Power Sources, 2010, 195, 7295-7301.	4.0	91
15	Power-to-fuels via solid-oxide electrolyzer: Operating window and techno-economics. Renewable and Sustainable Energy Reviews, 2019, 110, 174-187.	8.2	85
16	Durability of high performance Niâ€“yttria stabilized zirconia supported solid oxide electrolysis cells at high current density. Journal of Power Sources, 2014, 262, 316-322.	4.0	83
17	Material research for planar SOFC stack. Solid State Ionics, 2002, 148, 513-519.	1.3	81
18	Stability of La 0.6 Sr 0.4 Co 0.2 Fe 0.8 O 3 /Ce 0.9 Gd 0.1 O 2 cathodes during sintering and solid oxide fuel cell operation. Journal of Power Sources, 2015, 283, 151-161.	4.0	77

#	Article	IF	Citations
19	A 4 Ã— 4 cm² Nanoengineered Solid Oxide Electrolysis Cell for Efficient and Durable Hydrogen Production. ACS Applied Materials & Interfaces, 2019, 11, 25996-26004.	4.0	77
20	Life cycle assessment of H2O electrolysis technologies. International Journal of Hydrogen Energy, 2020, 45, 23765-23781.	3.8	74
21	Low temperature processed MnCo2O4 and MnCo1.8Fe0.2O4 as effective protective coatings for solid oxide fuel cell interconnects at 750ÂÂ°C. Journal of Power Sources, 2016, 336, 408-418.	4.0	68
22	Durability of Solid Oxide Electrolysis Cells for Syngas Production. Journal of the Electrochemical Society, 2013, 160, F1074-F1080.	1.3	65
23	Ni migration in solid oxide cell electrodes: Review and revised hypothesis. Fuel Cells, 2021, 21, 415-429.	1.5	63
24	Understanding degradation of solid oxide electrolysis cells through modeling of electrochemical potential profiles. Electrochimica Acta, 2016, 189, 265-282.	2.6	58
25	Fracture of Silicon: Influence of rate, positioning accuracy, FIB machining, and elevated temperatures on toughness measured by pillar indentation splitting. Materials and Design, 2018, 142, 340-349.	3.3	56
26	Boosting the performance and durability of Ni/YSZ cathode for hydrogen production at high current densities <i>via</i> decoration with nano-sized electrocatalysts. Nanoscale, 2019, 11, 4394-4406.	2.8	56
27	High temperature oxidation behavior of SUS430 SOFC interconnects with Mn-Co spinel coating in air. Journal of Alloys and Compounds, 2019, 787, 1327-1335.	2.8	49
28	Degradation in Solid Oxide Electrolysis Cells During Long Term Testing. Fuel Cells, 2019, 19, 740-747.	1.5	48
29	CeO₂âˆ'CoO Phase Diagram. Journal of the American Ceramic Society, 2003, 86, 1567-1570.	1.9	47
30	Microstructure degradation of LSM-YSZ cathode in SOFCs operated at various conditions. Solid State Ionics, 2012, 206, 97-103.	1.3	46
31	An Ag based brazing system with a tunable thermal expansion for the use as sealant for solid oxide cells. Journal of Power Sources, 2016, 315, 339-350.	4.0	46
32	LSMâ€"YSZ Reactions in Different Atmospheres. Fuel Cells, 2009, 9, 833-840.	1.5	44
33	Pressurized Operation of a Planar Solid Oxide Cell Stack. Fuel Cells, 2016, 16, 205-218.	1.5	44
34	High Temperature Coâ€Electrolysis of Steam and CO₂ in an SOC Stack: Performance and Durability. Fuel Cells, 2013, 13, 638-645.	1.5	43
35	Sintering of MnCo2O4 coatings prepared by electrophoretic deposition. Materials Letters, 2018, 213, 394-398.	1.3	43
36	Large-area solid oxide cells with La0.6Sr0.4CoO3-Î´ infiltrated oxygen electrodes for electricity generation and hydrogen production. Journal of Power Sources, 2020, 451, 227742.	4.0	43

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37	Achieving micron-scale plasticity and theoretical strength in Silicon. Nature Communications, 2020, 11, 2681.	5.8	42
38	Study of solid oxide electrolysis cells operated in potentiostatic mode: Effect of operating temperature on durability. Chemical Engineering Journal, 2021, 417, 129260.	6.6	42
39	Efficient dual layer interconnect coating for high temperature electrochemical devices. International Journal of Hydrogen Energy, 2012, 37, 14501-14510.	3.8	39
40	A novel CO₂- and SO₂-tolerant dual phase composite membrane for oxygen separation. Chemical Communications, 2015, 51, 7140-7143.	2.2	39
41	Oxidation study of coated Crofer 22 APU steel in dry oxygen. Journal of Power Sources, 2014, 251, 488-495.	4.0	37
42	3D Microstructural Characterization of Ni/YSZ Electrodes Exposed to 1 Year of Electrolysis Testing. Journal of the Electrochemical Society, 2019, 166, F158-F167.	1.3	37
43	Phase diagram for a nano-yttria-stabilized zirconia system. RSC Advances, 2016, 6, 17438-17445.	1.7	36
44	Research on planar SOFC stack. Solid State Ionics, 2002, 152-153, 399-404.	1.3	35
45	Assessment of the La-Mn-O system. Journal of Phase Equilibria and Diffusion, 2005, 26, 131-151.	0.5	35
46	High-Performance Microchanneled Asymmetric Gd_{0.1}Ce_{0.9}O_{1.95â^'Î´}â€"La_{0.6}Sr_{0.4}FeO_{3â^'Î´}-Based Membranes for Oxygen Separation. ACS Applied Materials & Interfaces, 2016, 8, 4548-4560.		35
47	High performance LaNi 1-x Co x O 3-Î´ (xÂ=Â0.4 to 0.7) infiltrated oxygen electrodes for reversible solid oxide cells. Journal of Power Sources, 2017, 353, 67-76.	4.0	35
48	MnxCo3-xO4 spinel oxides as efficient oxygen evolution reaction catalysts in alkaline media. International Journal of Hydrogen Energy, 2020, 45, 14867-14879.	3.8	35
49	Thermodynamic modeling of phase equilibria in the Mnâ€"Yâ€"Zrâ€"O system. Solid State Ionics, 2005, 176, 1457-1464.	1.3	32
50	Thermodynamic Assessment of the La-Fe-O System. Journal of Phase Equilibria and Diffusion, 2009, 30, 351-366.	0.5	30
51	Interdiffusion between gadolinia doped ceria and yttria stabilized zirconia in solid oxide fuel cells: Experimental investigation and kinetic modeling. Journal of Power Sources, 2019, 441, 227152.	4.0	29
52	Thermodynamic assessment of the Mnâ€"Yâ€"O system. Journal of Alloys and Compounds, 2005, 393, 114-121.	2.8	27
53	Thermoneutral Operation of Solid Oxide Electrolysis Cells in Potentiostatic Mode. ECS Transactions, 2017, 78, 3077-3088.	0.3	27
54	Deposition of La0.8Sr0.2Cr0.97V0.03O3 and MnCr2O4 thin films on ferritic alloy for solid oxide fuel cell application. Surface and Coatings Technology, 2007, 202, 1262-1266.	2.2	26

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55	Long-term stability of carbon dioxide electrolysis in a large-scale flat-tube solid oxide electrolysis cell based on double-sided air electrodes. Applied Energy, 2020, 259, 114130.	5.1	26
56	Dynamic modeling and parameter analysis study on reversible solid oxide cells during mode switching transient processes. Applied Energy, 2020, 263, 114601.	5.1	26
57	Stacking-fault mediated plasticity and strengthening in lean, rare-earth free magnesium alloys. Acta Materialia, 2021, 211, 116877.	3.8	26
58	The Effect of Humidity and Oxygen Partial Pressure on LSMâ€“YSZ Cathode. Fuel Cells, 2011, 11, 669-677.	1.5	25
59	Segregation-driven exceptional twin-boundary strengthening in lean Mgâ€“Znâ€“Ca alloys. Acta Materialia, 2022, 229, 117746.	3.8	25
60	Residual stresses and strength of multilayer tape cast solid oxide fuel and electrolysis half-cells. Journal of Power Sources, 2015, 288, 243-252.	4.0	24
61	Thermodynamic modeling of the Coâ€“Feâ€“O system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2013, 41, 76-88.	0.7	23
62	Characterization of a Planar Solid Oxide Cell Stack Operated at Elevated Pressure. Journal of the Electrochemical Society, 2016, 163, F1596-F1604.	1.3	23
63	Comparison between La0.6Sr0.4CoO3-d and LaNi0.6Co0.4O3-d infiltrated oxygen electrodes for long-term durable solid oxide fuel cells. Electrochimica Acta, 2018, 266, 293-304.	2.6	23
64	Defining aluminum-zoning during synthesis of ZSM-5 zeolites. Physical Chemistry Chemical Physics, 2020, 22, 734-739.	1.3	23
65	An Up-scalable, Infiltration-Based Approach for Improving the Durability of Ni/YSZ Electrodes for Solid Oxide Cells. Journal of the Electrochemical Society, 2020, 167, 024519.	1.3	23
66	Thermodynamic Assessment of the La-Cr-O System. Journal of Phase Equilibria and Diffusion, 2009, 30, 12-27.	0.5	22
67	Electrochemistry Unlocks Wettability: Epitaxial Growth of Oxide Nanoparticles on Rough Metallic Surfaces. ChemElectroChem, 2014, 1, 520-523.	1.7	22
68	Effects of Strong Cathodic Polarization of the Ni-YSZ Interface. Journal of the Electrochemical Society, 2016, 163, F1217-F1227.	1.3	22
69	Performance and electrochemical analysis of solid oxide fuel cells based on <scp>LSCF</scp>â€<scp>YSZ</scp> nanoâ€electrode. International Journal of Applied Ceramic Technology, 2017, 14, 1006-1012.	1.1	22
70	Promotion of oxygen reduction and evolution by applying a nanoengineered hybrid catalyst on cobalt free electrodes for solid oxide cells. Journal of Materials Chemistry A, 2020, 8, 9039-9048.	5.2	22
71	Thermodynamic modeling of the Laâ€“Mnâ€“Yâ€“Zrâ€“O system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2006, 30, 489-500.	0.7	21
72	Improved oxidation resistance of ferritic steels with LSM coating for high temperature electrochemical applications. International Journal of Hydrogen Energy, 2012, 37, 8087-8094.	3.8	20

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73	Size-dependent plasticity and activation parameters of lithographically-produced silicon micropillars. Materials and Design, 2020, 189, 108506.	3.3	20
74	Spinel-based coatings for metal supported solid oxide fuel cells. Materials Research Bulletin, 2017, 89, 232-244.	2.7	19
75	Ceria Based Protective Coatings for Steel Interconnects Prepared by Spray Pyrolysis. Procedia Engineering, 2014, 98, 93-100.	1.2	18
76	CALPHAD modeling of the La2O3â€"Y 2O3 system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2005, 29, 103-113.	0.7	17
77	High-Temperature In situ Deformation of GaAs Micro-pillars: Lithography Versus FIB Machining. Jom, 2016, 68, 2761-2767.	0.9	17
78	A Decade of Solid Oxide Electrolysis Improvements at DTU Energy. ECS Transactions, 2017, 75, 3-14.	0.3	17
79	Determination of grain boundary mobility during recrystallization by statistical evaluation of electron backscatter diffraction measurements. Materials Characterization, 2016, 117, 99-112.	1.9	16
80	Reversible operation of a pressurized solid oxide cell stack using carbonaceous gases. Journal of Energy Storage, 2019, 22, 106-115.	3.9	16
81	Enhanced Activity of Pr₆O₁₁and CuO Infiltrated Ce_{0.9}Gd_{0.1}O₂Based Composite Oxygen Electrodes. Journal of the Electrochemical Society, 2020, 167, 024505.	1.3	16
82	Performance and Durability of Solid Oxide Electrolysis Cells for Syngas Production. ECS Transactions, 2012, 41, 77-85.	0.3	15
83	Thermodynamic modeling of La2O3â€"SrOâ€"Mn2O3â€"Cr2O3 for solid oxide fuel cell applications. Journal of Materials Research, 2012, 27, 1915-1926.	1.2	15
84	High Temperature Oxidation of Ferritic Steels for Solid Oxide Electrolysis Stacks. ECS Transactions, 2013, 50, 11-20.	0.3	15
85	Modeling of Ni Diffusion Induced Austenite Formation in Ferritic Stainless Steel Interconnects. Journal of the Electrochemical Society, 2017, 164, F1005-F1010.	1.3	15
86	Oxidation behavior of a Ni-Fe support in SOFC anode atmosphere. Journal of Alloys and Compounds, 2018, 765, 757-763.	2.8	15
87	Influence of helium ion irradiation on the structure and strength of diamond. Carbon, 2020, 158, 337-345.	5.4	15
88	Life Time Performance Characterization of Solid Oxide Electrolysis Cells for Hydrogen Production. ECS Transactions, 2015, 68, 3359-3368.	0.3	14
89	Improving oxygen incorporation rate on (La0.6Sr0.4)0.98FeO3-Î´ via Pr2Ni1-xCuxO4+Î´ surface decoration. Journal of Power Sources, 2020, 457, 228035.	4.0	14
90	Diffusion of Nickel into Ferritic Steel Interconnects of Solid Oxide Fuel/Electrolysis Stacks. ECS Transactions, 2013, 57, 2245-2252.	0.3	13

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91	Stability and oxygen transport property of La0.8Sr0.2Cr0.5Fe0.5O3-Î´. Solid State Ionics, 2014, 260, 86-89.	1.3	13
92	TOF-SIMS characterization of impurity enrichment and redistribution in solid oxide electrolysis cells during operation. Dalton Transactions, 2014, 43, 14949-14958.	1.6	13
93	Preparation and characterisation of iron substituted Mn1.7Cu1.3-xFexO4 spinel oxides (x = 0, 0.1, 0.3,) Tj ETQq1 1 0.784314 rgBT /Over	2.8	13
94	Transmission Electron Microscopy Specimen Preparation Method for Multiphase Porous Functional Ceramics. Microscopy and Microanalysis, 2013, 19, 501-505.	0.2	12
95	Design, manufacturing, and operation of movable 2 Ã— 10 kW size rSOC system. Fuel Cells, 2021, 21, 477-487.	1.5	12
96	Thermodynamic assessment of the CoOxâ€"CrO1.5 system. Journal of Alloys and Compounds, 2009, 485, 427-434.	2.8	11
97	Assesment of (Mn,Co)₃O₄powders for possible coating material for SOFC/SOEC interconnects. IOP Conference Series: Materials Science and Engineering, 2016, 104, 012017.	0.3	11
98	Microstructural Characterization of Ni/YSZ Electrodes in a Solid Oxide Electrolysis Stack Tested for 9000 Hours. ECS Transactions, 2017, 78, 3049-3064.	0.3	11
99	Effective yttrium based coating for steel interconnects of solid oxide cells: Corrosion evaluation in steam-hydrogen atmosphere. Journal of Power Sources, 2019, 440, 226814.	4.0	11
100	Durability of Solid Oxide Electrolysis Cell and Interconnects for Steam Electrolysis. ECS Transactions, 2013, 57, 3229-3238.	0.3	10
101	In-situ formed Ce0.8Gd0.2O1.9 barrier layers on yttria stabilized zirconia backbones by infiltration - A promising path to high performing oxygen electrodes of solid oxide cells. Solid State Ionics, 2017, 304, 51-59.	1.3	10
102	Optimization and Durability of Reversible Solid Oxide Cells. ECS Transactions, 2019, 91, 2631-2639.	0.3	10
103	An operation strategy for mitigating the degradation of solid oxide electrolysis cells for syngas production. Journal of Power Sources, 2021, 506, 230136.	4.0	10
104	Nano-LaCoO3 infiltrated BaZr0.8Y0.2O3â^' electrodes for steam splitting in protonic ceramic electrolysis cells. , 2022, 1, 100003.		10
105	Numerical simulation of kinetic demixing and decomposition in a LaCoO3-Î´ oxygen membrane under an oxygen potential gradient. Journal of Membrane Science, 2018, 548, 526-539.	4.1	9
106	Computational engineering of the oxygen electrode-electrolyte interface in solid oxide fuel cells. Npj Computational Materials, 2021, 7, .	3.5	9
107	Large-area protonic ceramic cells for hydrogen purification. Separation and Purification Technology, 2022, 295, 121301.	3.9	9
108	Thermodynamic modeling of the Srâ€"Coâ€"Feâ€"O system. Solid State Ionics, 2016, 292, 88-97.	1.3	8

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109	Mechanical Properties of Supports and Halfâ€Cells for Solid Oxide Electrolysis Influenced by Aluminaâ€Zirconia Composites. Fuel Cells, 2017, 17, 132-143.	1.5	8
110	Deposition and Electrical and Structural Properties of La0.6Sr0.4CoO3 Thin Films for Application in High-Temperature Electrochemical Cells. Journal of Electronic Materials, 2019, 48, 5428-5441.	1.0	8
111	Comprehensive Hypotheses for Degradation Mechanisms in Ni-Stabilized Zirconia Electrodes. ECS Transactions, 2019, 91, 613-620.	0.3	8
112	Improving Oxygen Electrodes by Infiltration and Surface Decoration. ECS Transactions, 2019, 91, 1413-1424.	0.3	8
113	Towards the Validation of a Phase Field Model for Ni Coarsening in Solid Oxide Cells. Acta Materialia, 2021, 212, 116887.	3.8	8
114	Evaluation of La0.6Sr0.4CoO3-Î´-Ce0.85Sm0.075Nd0.075O2-Î´ composite cathodes for intermediate temperature solid oxide fuel cells. Ceramics International, 2022, 48, 16319-16325.	2.3	8
115	Effect of Humidity in Air on Performance and Long-Term Durability of SOFCs. ECS Transactions, 2009, 25, 439-446.	0.3	7
116	Thermodynamic Modeling of the La-Co-O System. Journal of Phase Equilibria and Diffusion, 2019, 40, 219-234.	0.5	6
117	Planar proton-conducting ceramic cells for hydrogen extraction: Mechanical properties, electrochemical performance and up-scaling. International Journal of Hydrogen Energy, 2022, 47, 6745-6754.	3.8	6
118	Modeling of Ni Diffusion Induced Austenite Formation in Ferritic Stainless Steel Interconnects. ECS Transactions, 2015, 68, 1691-1700.	0.3	5
119	A Contribution to the Understanding of the Combined Effect of Nitrogen and Boron in Grey Cast Iron. International Journal of Metalcasting, 2017, 11, 61-70.	1.5	5
120	In Situ Densification of Gadolinium-Doped Ceria Interlayer by Infiltration Process in SOFC. ECS Transactions, 2019, 91, 1149-1156.	0.3	5
121	Numerical Simulation of the SrZrO3 Formation in Solid Oxide Fuel Cells. Journal of Electronic Materials, 2019, 48, 5510-5515.	1.0	5
122	Application of numerical inverse method in calculation of composition-dependent interdiffusion coefficients in finite diffusion couples. Metallurgical and Materials Engineering, 2017, 23, 197-211.	0.2	5
123	Thermodynamic modeling of the chromium-yttrium-oxygen system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2019, 64, 1-10.	0.7	4
124	Magnetron sputtering of carbon supersaturated tungsten films â€" A chemical approach to increase strength. Materials and Design, 2021, 208, 109874.	3.3	4
125	Concentration Impedance in Testing of Solid Oxide Cells Revisited. ECS Transactions, 2017, 78, 2133-2139.	0.3	3
126	Development of Solid Oxide Electrolysis Cells for Hydrogen Production at High Current Densities. ECS Transactions, 2019, 91, 2433-2442.	0.3	3

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127	Densification and electrical conductivity of Fe and Mnâ€doped Ce 0.83 Sm 0.085 Nd 0.085 O 2â€& by solidâ€liquid method. International Journal of Applied Ceramic Technology, 2020, 17, 2716-2724.	1.1	3
128	La-doped Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O₃₋ _d as Cathode for Protonic-Conducting Solid Oxide Fuel Cells with Enhanced Structure Stability. ECS Transactions, 2021, 103, 1525-1535.	0.3	3
129	Phase Formation in the System ZrO₂â€“LaO_{1.5}â€“MnO<i>_x</i> in Air and <i>P</i>â^¼1 Pa After 500 h of Annealing at 1200Â° and 1400Â°C. Journal of the American Ceramic Society, 2010, 93, 2884-2890.	1.9	2
130	LaNi1-xCoxO3-Î´(x=0.4 to 0.7) cathodes for solid oxide fuel cells by infiltration. IOP Conference Series: Materials Science and Engineering, 2016, 104, 012019.	0.3	2
131	Analysis of Gas Leakage and Current Loss of Solid Oxide Fuel Cells by Screen Printing. ECS Transactions, 2017, 78, 1533-1540.	0.3	2
132	Lessons Learned from Operating a Solid Oxide Electrolysis Cell at 1.25 a/cm2 for One Year. ECS Transactions, 2021, 103, 475-486.	0.3	2
133	Assessment of the La-Mn-O System. Journal of Phase Equilibria and Diffusion, 2005, 26, 131-151.	0.5	2
134	Ba_{0.5}Gd_{0.8}La_{0.7}Co₂O_{6â^'Î´} Infiltrated BaZr_{0.8}Y_{0.2}O_{3â^'Î´} Composite Oxygen Electrodes for Protonic Ceramic Cells. Journal of the Electrochemical Society, 2022, 169, 014513.	1.3	2
135	Microstructure and conductivity of alumina-fiber-doped YSZ membranes. Ionics, 2000, 6, 403-407.	1.2	1
136	Investigation of Failure Mechanisms in Ti Containing Brazing Alloys Used in SOFC/SOEC Environments. , 2010, , .		1
137	Evaluation of SUS430 with Mn-Co Coating as SOFC Interconnect in Reducing Atmosphere. ECS Transactions, 2019, 91, 2241-2252.	0.3	1
138	Ba_{0.5}Gd_{0.8}La_{0.7}Co₂O_{6â^'Î´}Infiltrated BaZr_{0.8}Y_{0.2}O_{3-Î´} Composite Oxygen Electrodes for Protonic Ceramic Electrolysis Cells. ECS Transactions, 2021, 102, 3-16.	0.3	1
139	Effects of Flow Channel Arrangement and Electrolyte Thickness on Thermal Stress for Planar Solid Oxide Fuel Cell Stacks. ECS Transactions, 2021, 103, 767-784.	0.3	1
140	Effects of Flow Channel Arrangement and Electrolyte Thickness on Thermal Stress for Planar Solid Oxide Fuel Cell Stacks. ECS Meeting Abstracts, 2021, MA2021-03, 146-146.	0.0	1
141	Joining of Co coated ferritic stainless steel to ceramic solid oxide cells by a novel Ag-SiO2 braze. Journal of Materials Science and Technology, 2022, 121, 174-180.	5.6	1
142	CeO2â€"CoO Phase Diagram.. ChemInform, 2003, 34, no.	0.1	0
143	Thermodynamic Assessment of the Mnâ€"Yâ€"O System.. ChemInform, 2005, 36, no.	0.1	0
144	High Temperature Oxidation of Ferritic Steels for Solid Oxide Electrolysis Stacks. ECS Meeting Abstracts, 2012, , .	0.0	0

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145	Ba0.5Gd0.8La0.7Co2O6â^'Î´ Infiltrated BaZr0.8Y0.2O3-Î´ Composite Oxygen Electrodes for Protonic Ceramic Electrolysis Cells. ECS Meeting Abstracts, 2021, MA2021-01, 1150-1150.	0.0	0
146	Lessons Learned from Operating a Solid Oxide Electrolysis Cell at 1.25 a/cm2 for One Year. ECS Meeting Abstracts, 2021, MA2021-03, 213-213.	0.0	0
147	La-doped Ba0.5Sr0.5Co0.8Fe0.2O3- d as Cathode for Protonic-Conducting Solid Oxide Fuel Cells with Enhanced Structure Stability. ECS Meeting Abstracts, 2021, MA2021-03, 140-140.	0.0	0