

## List of Publications by Year in descending order

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docs citations

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times ranked

5360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Boosting intermediate temperature performance of solid oxide fuel cells via a tri-layer ceria-zirconia-ceria electrolyte. Journal of the American Ceramic Society, 2023, 106, 93-99.	1.9	3
2	Testing of solid oxide cells at high current densities. TM Technisches Messen, 2022, 89, 97-106.	0.3	1
3	Impedance-Based Performance Analysis of Micropatterned Polymer Electrolyte Membrane Fuel Cells. Journal of Electrochemical Energy Conversion and Storage, 2022, 19, .	1.1	6
4	Reducing Impedance at a Li-Metal Anode/Garnet-Type Electrolyte Interface Implementing Chemically Resolvable In Layers. ACS Applied Materials & Interfaces, 2022, 14, 14739-14752.	4.0	24
5	High frequency impedance measurements of sodium solid electrolytes. Journal of the European Ceramic Society, 2022, 42, 3939-3947.	2.8	3
6	Guidelines to correctly measure the lithium ion conductivity of oxide ceramic electrolytes based on a harmonized testing procedure. Journal of Power Sources, 2022, 531, 231323.	4.0	4
7	Anode supported planar 5-5 cm <sup>2</sup> SrZr <sub>0.5</sub> Ce <sub>0.4</sub> Y <sub>0.1</sub> O <sub>2.95</sub> based solid oxide protonic fuel cells via sequential tape-casting. Solid State Ionics, 2022, 379, 115918.	1.3	3
8	Quantifying lithium enrichment at grain boundaries in Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> solid electrolyte by correlative microscopy. Journal of Power Sources, 2022, 539, 231417.	4.0	13
9	Electro-chemo-mechanical analysis of a solid oxide cell based on doped ceria. Journal of Power Sources, 2022, 541, 231505.	4.0	9
10	Influence of Three-Dimensional Flow Field Structures Consisting of Expanded Metal Meshes on the Physicochemical Loss Processes in Pemfcs. ECS Meeting Abstracts, 2022, MA2022-01, 1424-1424.	0.0	0
11	Impedance-Based, Multi-Physical DC-Performance-Model for a PEMFC Stack. ECS Meeting Abstracts, 2022, MA2022-01, 1959-1959.	0.0	0
12	Spatially Resolved Deconvolution of Loss Processes in PEM Fuel Cells. ECS Meeting Abstracts, 2022, MA2022-01, 1439-1439.	0.0	0
13	(Invited, Digital Presentation) Impedance Analysis of Porous Electrodes in Solid Oxide and Polymer Electrolyte Fuel Cells. ECS Meeting Abstracts, 2022, MA2022-01, 1652-1652.	0.0	0
14	Understanding Deviations between Spatially Resolved and Homogenized Cathode Models of Lithium-Ion Batteries. Energy Technology, 2021, 9, 2000881.	1.8	14
15	Deconvolution of Gas Diffusion Polarization in Ni/Gadolinium-Doped Ceria Fuel Electrodes. ECS Transactions, 2021, 103, 1375-1393.	0.3	3
16	Electro-Chemo-Mechanical Failure in a High-Performance Solid Oxide Cell. ECS Meeting Abstracts, 2021, MA2021-03, 78-78.	0.0	1
17	Deconvolution of Gas Diffusion Polarization in Ni/Gadolinium-Doped Ceria Fuel Electrodes. ECS Meeting Abstracts, 2021, MA2021-03, 57-57.	0.0	0
18	Continuum scale modelling and complementary experimentation of solid oxide cells. Progress in Energy and Combustion Science, 2021, 85, 100902.	15.8	58

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19	Fuel flexibility of solid oxide fuel cells. Fuel Cells, 2021, 21, 440-452.	1.5	31
20	A multi scale multi domain model for large format lithium-ion batteries. Electrochimica Acta, 2021, 393, 139046.	2.6	9
21	Virtual Electrode Design for Lithium-Ion Battery Cathodes. Energy Technology, 2021, 9, 2000891.	1.8	13
22	Impedance analysis of porous electrode structures in batteries and fuel cells. TM Technisches Messen, 2021, 88, 1-16.	0.3	7
23	Deconvolution of Gas Diffusion Polarization in Ni/Gadolinium-Doped Ceria Fuel Electrodes. Journal of the Electrochemical Society, 2021, 168, 124506.	1.3	15
24	Influence of the Carbon Black Dispersing Process on the Microstructure and Performance of Li-Ion Battery Cathodes. Energy Technology, 2020, 8, 1900161.	1.8	59
25	How the distribution of relaxation times enhances complex equivalent circuit models for fuel cells. Electrochimica Acta, 2020, 355, 136764.	2.6	103
26	Effect of sintering temperature on Li diffusivity in Li <sub>0.29</sub> La <sub>0.57</sub> TiO <sub>3</sub> : Local hopping and long-range transport. Solid State Ionics, 2020, 357, 115486.	1.3	11
27	Optimization of Material Contrast for Efficient FIB-SEM Tomography of Solid Oxide Fuel Cells. Fuel Cells, 2020, 20, 580-591.	1.5	8
28	Performances of Solid Oxide Cells with La <sub>0.97</sub> Ni <sub>0.5</sub> Co <sub>0.5</sub> O <sub>3-<math>\delta</math></sub> as Air-Electrodes. Journal of the Electrochemical Society, 2020, 167, 084522.	1.3	1
29	Inductive Low-Frequency Processes in PEMFC Impedance Spectra. Fuel Cells, 2020, 20, 499-506.	1.5	23
30	Benchmarking the performance of all-solid-state lithium batteries. Nature Energy, 2020, 5, 259-270.	19.8	662
31	Multi-scale characterization of ceramic inert-substrate-supported and co-sintered solid oxide fuel cells. Journal of Materials Science, 2020, 55, 11120-11136.	1.7	6
32	Multiphysical modelling of planar solid oxide fuel cell stack layers. Journal of Power Sources, 2020, 451, 227552.	4.0	32
33	Garnet-Type Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> / Lithium Metal Interface: Microstructure and Electrochemical Properties in Solid State Batteries. ECS Meeting Abstracts, 2020, MA2020-01, 289-289.	0.0	0
34	(Invited) Designing SOC for Power-to-X Applications: A Multi-Physical Modelling Approach. ECS Meeting Abstracts, 2020, MA2020-01, 1446-1446.	0.0	0
35	Generation of Virtual Microstructures for the Optimization of Lithium-Ion Battery Cathodes. ECS Meeting Abstracts, 2020, MA2020-01, 142-142.	0.0	0
36	Microstructural Analysis of Lithium-Ion Battery Cathodes Using Tomography Methods - Possibilities and Limitations. ECS Meeting Abstracts, 2020, MA2020-01, 192-192.	0.0	0

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37	Electrochemical Impedance Analysis of Symmetrical Ni/Gadolinium-Doped Ceria (CGO10) Electrodes in Electrolyte-Supported Solid Oxide Cells. Journal of the Electrochemical Society, 2019, 166, F865-F872.	1.3	38
38	Impedance modelling of porous electrode structures in polymer electrolyte membrane fuel cells. Journal of Power Sources, 2019, 444, 227279.	4.0	48
39	Progress in SolidOxide Technologies: From Fundamentals to Systems - EFCF2018. Fuel Cells, 2019, 19, 310-310.	1.5	0
40	From Microstructure to Performance: A Detailed Multi-Level Study of SOFC Anodes. ECS Transactions, 2019, 91, 1827-1836.	0.3	2
41	Electrochemical Impedance Analysis of Ni/CGO10-Based Electrolyte-Supported Cells. ECS Transactions, 2019, 91, 1985-1992.	0.3	3
42	SOC-Stack FEM-Modelling on Different Length Scales. ECS Transactions, 2019, 91, 2075-2087.	0.3	0
43	FEM Model-Based Design Optimization of a Planar SOFC Interconnector Flowfield. ECS Transactions, 2019, 91, 2233-2240.	0.3	4
44	Advanced impedance model for double-layered solid oxide fuel cell cermet anodes. Journal of Power Sources, 2019, 415, 69-82.	4.0	38
45	Microstructural feature analysis of commercial Li-ion battery cathodes by focused ion beam tomography. Journal of Power Sources, 2019, 427, 1-14.	4.0	49
46	Infiltration of Lanthanum Doped Ceria into Nickel-Zirconia Anodes for Direct Butane Utilization in Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2019, 166, F301-F305.	1.3	6
47	Microstructure and Performance Analysis of Solid Oxide Fuel Cells Co-Sintered on Inert Substrates. ECS Transactions, 2019, 91, 501-509.	0.3	1
48	(Invited) Performance and Stability of Mixed Conducting SOFC-Cathodes at High and Low Operating Temperatures. ECS Meeting Abstracts, 2019, , .	0.0	0
49	Correlative Multiscale Tomography on Inert Supported Solid Oxide Fuel Cells. ECS Meeting Abstracts, 2019, , .	0.0	0
50	3D Analysis of Observed and Simulated Microstructure Evolution in SOFC Anodes. ECS Meeting Abstracts, 2019, , .	0.0	0
51	Advanced impedance modelling of Ni/8YSZ cermet anodes. Electrochimica Acta, 2018, 265, 736-750.	2.6	43
52	Advanced impedance study of polymer electrolyte membrane single cells by means of distribution of relaxation times. Journal of Power Sources, 2018, 402, 24-33.	4.0	123
53	Assessment of all-solid-state lithium-ion batteries. Journal of Power Sources, 2018, 393, 119-127.	4.0	54
54	Evaluation of PEMFC Impedance Spectra By Using the Distribution of Relaxation Times. ECS Meeting Abstracts, 2018, , .	0.0	0

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55	Analysis of Temperature Gradients in Lithium-Ion Batteries By Electrothermal Impedance Spectroscopy (ETIS). ECS Meeting Abstracts, 2018, , .	0.0	0
56	Multi-Scale Characterization of Lithium Ion Battery Cathodes. ECS Meeting Abstracts, 2018, , .	0.0	0
57	Separation of the bulk and grain boundary contributions to the total conductivity of solid lithium-ion conducting electrolytes. Journal of Electroceramics, 2017, 38, 157-167.	0.8	38
58	Development of Robust Metal-Supported SOFCs and Stack Components in EU METSAPP Consortium. Fuel Cells, 2017, 17, 508-516.	1.5	16
59	A Consistent Derivation of the Impedance of a Lithium-Ion Battery Electrode and its Dependency on the State-of-Charge. Electrochimica Acta, 2017, 243, 250-259.	2.6	60
60	(Invited) Sulfur Poisoning of Ni-Based SOFC-Anodes – Short and Long Term Behavior. ECS Transactions, 2017, 77, 141-147.	0.3	9
61	Oxygen Transport Kinetics of Mixed Ionic-Electronic Conductors by Coupling Focused Ion Beam Tomography and Electrochemical Impedance Spectroscopy. Journal of the Electrochemical Society, 2017, 164, F289-F297.	1.3	50
62	Practical Guidelines for Reliable Electrochemical Characterization of Solid Oxide Fuel Cells. Electrochimica Acta, 2017, 227, 110-126.	2.6	72
63	Production and Reliability Oriented SOFC Cell and Stack Design. ECS Transactions, 2017, 78, 2231-2249.	0.3	5
64	A Non-Isothermal 2D Stationary FEM Model for Hydrocarbon Fueled SOFCs Stack Layers. ECS Transactions, 2017, 78, 2673-2682.	0.3	6
65	How Sulfur Tolerance of Two-Layered Ni/YSZ Anodes is Governed by Variations in Microstructure and Thickness. ECS Transactions, 2017, 78, 1273-1284.	0.3	3
66	Manufacturing of high performance solid oxide fuel cells (SOFCs) with atmospheric plasma spraying (APS) and plasma spray-physical vapor deposition (PS-PVD). Surface and Coatings Technology, 2017, 318, 170-177.	2.2	30
67	Development of plasma sprayed Ni/YSZ anodes for metal supported solid oxide fuel cells. Surface and Coatings Technology, 2017, 318, 178-189.	2.2	6
68	Evaluation of electrochemical impedance spectra by the distribution of relaxation times. Journal of the Ceramic Society of Japan, 2017, 125, 193-201.	0.5	199
69	A Non-Isothermal 2D Stationary FEM Model for Hydrocarbon Fueled SOFCs Stack Layers. ECS Meeting Abstracts, 2017, , .	0.0	0
70	Production and Reliability Oriented SOFC Cell and Stack Design. ECS Meeting Abstracts, 2017, , .	0.0	0
71	(Invited) Sulfur Poisoning of Ni-Based SOFC-Anodes – Short and Long Term Behavior. ECS Meeting Abstracts, 2017, , .	0.0	0
72	How Sulfur Tolerance of Two-Layered Ni/YSZ Anodes is Governed by Variations in Microstructure and Thickness. ECS Meeting Abstracts, 2017, , .	0.0	0

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73	Multi-Scale Modeling of Cathode Performance in Solid Oxide Fuel Cells (SOFCs). ECS Meeting Abstracts, 2017, , .	0.0	0
74	Electrochemical Performance of Plasma Sprayed Metal Supported Planar Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2016, 163, F1059-F1065.	1.3	14
75	Kinetic Studies on State of the Art Solid Oxide Cells: A Comparison between Hydrogen/Steam and Reformate Fuels. Journal of the Electrochemical Society, 2016, 163, F1451-F1462.	1.3	15
76	Interface and grain boundary resistance of a lithium lanthanum titanate ( $\text{Li}_3\text{La}_2/3\hat{x}\text{TiO}_3$ , LLTO) solid electrolyte. Journal of Power Sources, 2016, 307, 578-586.	4.0	41
77	Modeling graphite anodes with serial and transmission line models. Journal of Power Sources, 2015, 282, 335-347.	4.0	100
78	Electrochemical Performance of Plasma Sprayed Metal Supported Planar Solid Oxide Fuel Cells. ECS Transactions, 2015, 68, 1791-1802.	0.3	2
79	Kinetic Studies on State of the Art Solid Oxide Cells - A Comparison between Hydrogen/Steam and Reformate Fuels. ECS Transactions, 2015, 64, 51-65.	0.3	1
80	Accelerated Lifetime Tests for SOFCs. ECS Transactions, 2015, 68, 1953-1960.	0.3	17
81	Stationary 2D FEM Model Framework for SOFC Stack Performance Prediction. ECS Transactions, 2015, 68, 3043-3050.	0.3	1
82	A 2D Stationary FEM Model for Hydrocarbon Fuelled SOFC Stack Layers. ECS Transactions, 2015, 68, 2151-2158.	0.3	6
83	The chemical oxygen surface exchange and bulk diffusion coefficient determined by impedance spectroscopy of porous $\text{La}_{0.58}\text{Sr}_{0.4}\text{Co}_{0.2}\text{Fe}_{0.8}\text{O}_{3\hat{x}}$ (LSCF) cathodes. Solid State Ionics, 2015, 269, 67-79.	1.3	70
84	A novel and fast method of characterizing the self-discharge behavior of lithium-ion cells using a pulse-measurement technique. Journal of Power Sources, 2015, 274, 1231-1238.	4.0	29
85	Numerical evaluation of micro-structural parameters of porous supports in metal-supported solid oxide fuel cells. Journal of Power Sources, 2015, 273, 1006-1015.	4.0	17
86	Stationary FEM Model for Performance Evaluation of Planar Solid Oxide Fuel Cells Connected by Metal Interconnectors. Journal of the Electrochemical Society, 2014, 161, F778-F788.	1.3	28
87	Performance model for large area solid oxide fuel cells. Journal of Power Sources, 2014, 259, 65-75.	4.0	5
88	Reactions and Transport Pathways in Syngas Fueled Ni/YSZ SOFC Anodes: Experiments and Modeling. ECS Transactions, 2014, 61, 75-83.	0.3	2
89	Electrochemical model for SOFC and SOEC mode predicting performance and efficiency. International Journal of Hydrogen Energy, 2014, 39, 20844-20849.	3.8	45
90	Anode microstructures from high-energy and high-power lithium-ion cylindrical cells obtained by X-ray nano-tomography. Journal of Power Sources, 2014, 269, 912-919.	4.0	49

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91	Performance of MIEC Cathodes in SOFC Stacks Evaluated by Means of FEM Modeling. ECS Transactions, 2014, 61, 191-201.	0.3	3
92	A novel and precise measuring method for the entropy of lithium-ion cells: $\hat{T}^S$ via electrothermal impedance spectroscopy. Electrochimica Acta, 2014, 137, 311-319.	2.6	56
93	Electrochemical impedance modeling of gas transport and reforming kinetics in reformato fueled solid oxide fuel cell anodes. Electrochimica Acta, 2013, 106, 418-424.	2.6	33
94	Electrochemistry of Reformate Fueled Ni/8YSZ Anodes for Solid Oxide Fuel Cells. ECS Transactions, 2013, 57, 3063-3075.	0.3	4
95	Static Performance Model for ASCs with Different Sizes and Its Experimental Validation. ECS Transactions, 2013, 57, 2849-2856.	0.3	0
96	Enhancing SOFC-Stack Performance by Model-Based Adaptation of Cathode Gas Transport Conditions. ECS Transactions, 2013, 57, 2871-2881.	0.3	5
97	Model Based Interpretation of Coupled Gas Conversion and Diffusion in SOFC-Anodes. ECS Transactions, 2013, 57, 2691-2704.	0.3	5
98	The Status of Metal-Supported SOFC Development and Industrialization at Plansee. ECS Transactions, 2013, 57, 471-480.	0.3	33
99	SOFC Anode Fabricated by Magnetically Aligning of Ni Particles. ECS Transactions, 2013, 57, 1307-1311.	0.3	8
100	Three-Dimensional Performance Simulation of SOFC Anodes Using FIB-Tomography Reconstructions. ECS Transactions, 2013, 57, 2563-2572.	0.3	5
101	Understanding the impedance spectrum of 18650 LiFePO <sub>4</sub> -cells. Journal of Power Sources, 2013, 239, 670-679.	4.0	136
102	A novel method for measuring the effective conductivity and the contact resistance of porous electrodes for lithium-ion batteries. Electrochemistry Communications, 2013, 34, 130-133.	2.3	39
103	Time-Dependent 3D Impedance Model of Mixed-Conducting Solid Oxide Fuel Cell Cathodes. Journal of the Electrochemical Society, 2013, 160, F867-F876.	1.3	37
104	The distribution of relaxation times as basis for generalized time-domain models for Li-ion batteries. Journal of Power Sources, 2013, 221, 70-77.	4.0	138
105	Electrochemical Modeling of the Current-Voltage Characteristics of an SOFC in Fuel Cell and Electrolyzer Operation Modes. Journal of the Electrochemical Society, 2013, 160, F313-F323.	1.3	79
106	Breakdown of Losses in High-Performing Metal-Supported Solid Oxide Fuel Cells. Fuel Cells, 2013, 13, 598-604.	1.5	17
107	Degradation of a High Performance SOFC Cathode by Cr-Poisoning at OCV-Conditions. Fuel Cells, 2013, 13, 506-510.	1.5	30
108	Sulfur Poisoning of Anode-Supported SOFCs under Reformate Operation. Fuel Cells, 2013, 13, 487-493.	1.5	47

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109	Advances in Metal Supported Cells in the METSOFC EU Consortium. Fuel Cells, 2013, 13, 592-597.	1.5	26
110	Electrochemical Studies on Anode Supported Solid Oxide Electrolyzer Cells. ECS Transactions, 2012, 41, 113-122.	0.3	4
111	Current-Voltage and Temperature Characteristics of Anode Supported Solid Oxide Electrolyzer Cells (SOEC). ECS Transactions, 2012, 45, 523-530.	0.3	9
112	Electrochemical Analysis of Sulfur-Poisoning in Anode Supported SOFCs Fuelled with a Model Reformate. Journal of the Electrochemical Society, 2012, 159, B597-B601.	1.3	46
113	The Distribution of Relaxation Times as Beneficial Tool for Equivalent Circuit Modeling of Fuel Cells and Batteries. ECS Transactions, 2012, 41, 25-33.	0.3	34
114	Easy access to CuO nanoparticles and porous copper electrodes with high oxidation stability and high conductivity. Journal of Materials Chemistry, 2012, 22, 987-993.	6.7	21
115	Electrochemical Analysis of Sulphur-Poisoning in Anode-Supported SOFCs under Reformate Operation. ECS Transactions, 2012, 41, 161-169.	0.3	9
116	Impedance Spectroscopy for High-Temperature Fuel Cells. , 2012, , 439-467.		1
117	Representative volume element size for accurate solid oxide fuel cell cathode reconstructions from focused ion beam tomography data. Electrochimica Acta, 2012, 82, 268-276.	2.6	75
118	Transient 3D FEM Model for Mixed Conducting Cathodes. ECS Meeting Abstracts, 2012, , .	0.0	0
119	Increased Performance Stability of SOFC Cathodes by Use of Protective Coatings on Metallic Interconnectors. ECS Meeting Abstracts, 2012, , .	0.0	0
120	Nano-Structuring of SOFC Anodes by Reverse Current Treatment. ECS Transactions, 2012, 45, 241-249.	0.3	8
121	Transient 3D FEM Impedance-Model for Mixed Conducting Cathodes. ECS Transactions, 2012, 45, 313-325.	0.3	5
122	Elementary kinetic modeling and experimental validation of electrochemical CO oxidation on Ni/YSZ pattern anodes. Electrochimica Acta, 2012, 59, 573-580.	2.6	45
123	3D finite element model for reconstructed mixed-conducting cathodes: I. Performance quantification. Electrochimica Acta, 2012, 77, 315-323.	2.6	75
124	3D finite element model for reconstructed mixed-conducting cathodes: II. Parameter sensitivity analysis. Electrochimica Acta, 2012, 77, 309-314.	2.6	28
125	Analysis of Three-Electrode Setups for AC-Impedance Measurements on Lithium-Ion Cells by FEM simulations. Journal of the Electrochemical Society, 2011, 159, A128-A136.	1.3	94
126	Detailed Microstructure Analysis and 3D Simulations of Porous Electrodes. ECS Transactions, 2011, 35, 2357-2368.	0.3	25



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127	Hydrogen-Oxidation Kinetics in Reformate-Fuelled Anode Supported SOFC. ECS Transactions, 2011, 35, 665-678.	0.3	5
128	Performance Analysis and Development Strategies for Solid Oxide Fuel Cells. IOP Conference Series: Materials Science and Engineering, 2011, 18, 132001.	0.3	0
129	Nanoscale Gd-Doped CeO <sub>2</sub> Buffer Layer for a High Performance Solid Oxide Fuel Cell. Journal of Fuel Cell Science and Technology, 2011, 8, .	0.8	7
130	Electrochemical Analysis of Biogas Fueled Anode Supported SOFC. ECS Transactions, 2011, 35, 2961-2968.	0.3	10
131	Degradation of anode supported cell (ASC) performance by Cr-poisoning. Journal of Power Sources, 2011, 196, 7203-7208.	4.0	64
132	Studying the COâ€‘CO <sub>2</sub> characteristics of SOFC anodes by means of patterned Ni anodes. Journal of Power Sources, 2011, 196, 7217-7224.	4.0	46
133	Manufacturing and characterization of metal-supported solid oxide fuel cells. Journal of Power Sources, 2011, 196, 7117-7125.	4.0	105
134	Reconstruction of porous electrodes by FIB/SEM for detailed microstructure modeling. Journal of Power Sources, 2011, 196, 7302-7307.	4.0	154
135	Performance limiting factors in anode-supported cells originating from metallic interconnector design. Journal of Power Sources, 2011, 196, 7209-7216.	4.0	41
136	Performance simulation of current/voltage-characteristics for SOFC single cell by means of detailed impedance analysis. Journal of Power Sources, 2011, 196, 7343-7346.	4.0	48
137	Performance analysis of mixed ionicâ€‘electronic conducting cathodes in anode supported cells. Journal of Power Sources, 2011, 196, 7257-7262.	4.0	30
138	Microstructure stability studies of Ni patterned anodes for SOFC. Solid State Ionics, 2011, 192, 565-570.	1.3	27
139	Elementary Kinetic Numerical Simulation of Electrochemical CO Oxidation on Ni/YSZ Pattern Anodes. ECS Transactions, 2011, 35, 1743-1751.	0.3	3
140	Degradation of Solid Oxide Fuel Cell Performance by Cr-Poisoning. ECS Transactions, 2011, 35, 2009-2017.	0.3	6
141	Electrochemical Analysis of Reformate-Fuelled Anode Supported SOFC. Journal of the Electrochemical Society, 2011, 158, B980.	1.3	90
142	Electrochemical Oxidation at SOFC Anodes: Comparison of Patterned Nickel Anodes and Nickel/8YSZ Cermet Anodes. ECS Transactions, 2011, 35, 1669-1682.	0.3	12
143	Development of Metal-Supported Solid Oxide Fuel Cells. ECS Transactions, 2011, 35, 343-349.	0.3	19
144	Electrooxidation of Reformate Gases at Model Anodes. ECS Transactions, 2011, 35, 1513-1528.	0.3	4

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145	Performance Analysis and Development Strategies for Solid Oxide Fuel Cells. ECS Transactions, 2011, 35, 1965-1973.	0.3	5
146	Durability of Ni anodes during reoxidation cycles. Journal of Power Sources, 2010, 195, 5452-5467.	4.0	146
147	Degradation and Relaxation Effects of Ni Patterned Anodes in H <sub>2</sub> /H <sub>2</sub> O Atmosphere. Journal of the Electrochemical Society, 2010, 157, B920.	1.3	65
148	Electrode Reconstruction by FIB/SEM and Microstructure Modeling. ECS Transactions, 2010, 28, 81-91.	0.3	14
149	Time-Dependent Electrode Performance Changes in Intermediate Temperature Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2010, 157, B292.	1.3	74
150	Internal Reforming Kinetics in SOFC-Anodes. ECS Transactions, 2010, 28, 205-215.	0.3	10
151	Oxygen Surface Exchange and Bulk Diffusion Coefficients Evaluated from Porous Mixed Ionic-Electronic Conducting Cathodes. ECS Transactions, 2010, 28, 71-80.	0.3	3
152	Model anodes and anode models for understanding the mechanism of hydrogen oxidation in solid oxide fuel cells. Physical Chemistry Chemical Physics, 2010, 12, 13888.	1.3	133
153	Impedance Study of Alternative (La,Sr)FeO <sub>3-δ</sub> and (La,Sr)(Co,Fe)O <sub>3-δ</sub> MIEC Cathode Compositions. Journal of the Electrochemical Society, 2010, 157, B234.	1.3	104
154	3D Electrode Microstructure Reconstruction and Modelling. ECS Transactions, 2009, 25, 1211-1220.	0.3	47
155	Dynamic Electrochemical Model For SOFC-Stacks. ECS Transactions, 2009, 25, 1331-1340.	0.3	4
156	Performance Study of Alternative (La,Sr)FeO <sub>3-δ</sub> and (La,Sr)(Co,Fe)O <sub>3-δ</sub> MIEC Cathode Compositions. ECS Transactions, 2009, 25, 2487-2496.	0.3	3
157	Impact of Flowfield Design on Solid Oxide Fuel Cell Performance. ECS Transactions, 2009, 25, 815-824.	0.3	4
158	Degradation Effects of Ni Patterned Anodes in H <sub>2</sub> /H <sub>2</sub> O Atmosphere. ECS Transactions, 2009, 25, 2013-2021.	0.3	5
159	Grain Size Effects in YSZ Thin Film Electrolytes. Journal of the American Ceramic Society, 2009, 92, 2017-2024.	1.9	83
160	Anodically formed oxide films on niobium: Microstructural and electrical properties. Journal of the European Ceramic Society, 2009, 29, 1743-1753.	2.8	38
161	Long-Term Study of MIEC Cathodes for Intermediate Temperature Solid Oxide Fuel Cells. ECS Transactions, 2009, 25, 2381-2390.	0.3	9
162	FUEL CELLS – SOLID OXIDE FUEL CELLS   Life-Limiting Considerations. , 2009, , 120-134.		7

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163	Structural and chemical properties of nanocrystalline La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> layers on yttria-stabilized zirconia analyzed by transmission electron microscopy. Journal of Materials Science, 2008, 43, 3135-3143.	1.7	46
164	Evaluation and Modeling of the Cell Resistance in Anode-Supported Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2008, 155, B36.	1.3	470
165	Nanoscaled (La <sub>0.5</sub> Sr <sub>0.5</sub> )CoO <sub>3</sub> Thin Film Cathodes for SOFC Application at 500°C & 700°C. Journal of the Electrochemical Society, 2008, 155, B730.	1.3	102
166	Coke Formation and Degradation in SOFC Operation with a Model Reformate from Liquid Hydrocarbons. Journal of the Electrochemical Society, 2008, 155, B356.	1.3	38
167	Evaluation and Modelling of the Cell Resistance in Anode Supported Solid Oxide Fuel Cells. ECS Transactions, 2007, 7, 521-531.	0.3	21
168	Coke Formation in Hydrocarbons-Containing Fuel Gas and Effects on SOFC Degradation Phenomena. ECS Transactions, 2007, 7, 1429-1435.	0.3	4
169	3D-Modelling and Performance Evaluation of Mixed Conducting (MIEC) Cathodes. ECS Transactions, 2007, 7, 2065-2074.	0.3	36
170	Model-Aided Testing of a PEMFC CHP System. Fuel Cells, 2007, 7, 70-77.	1.5	10
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