

# Yu Chen

## List of Publications by Year in descending order

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118  
papers

6,391  
citations

61984

43  
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69250

77  
g-index

120  
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120  
docs citations

120  
times ranked

6146  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale Surface Modification of Lithium-Rich Layered-Oxide Composite Cathodes for Suppressing Voltage Fade. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13058-13062.	13.8	331
2	A tailored double perovskite nanofiber catalyst enables ultrafast oxygen evolution. <i>Nature Communications</i> , 2017, 8, 14586.	12.8	327
3	Dramatically enhanced reversibility of $\text{Li}_{2}\text{O}$ in $\text{SnO}_{2}$ -based electrodes: the effect of nanostructure on high initial reversible capacity. <i>Energy and Environmental Science</i> , 2016, 9, 595-603.	30.8	300
4	$\text{V}_{5}\text{S}_{8}$ -graphite hybrid nanosheets as a high rate-capacity and stable anode material for sodium-ion batteries. <i>Energy and Environmental Science</i> , 2017, 10, 107-113.	30.8	274
5	A robust fuel cell operated on nearly dry methane at 500 $\text{\AA}^{\circ}\text{C}$ enabled by synergistic thermal catalysis and electrocatalysis. <i>Nature Energy</i> , 2018, 3, 1042-1050.	39.5	230
6	A Highly Efficient Multi-phase Catalyst Dramatically Enhances the Rate of Oxygen Reduction. <i>Joule</i> , 2018, 2, 938-949.	24.0	221
7	Rational Design of Nickel Hydroxide-Based Nanocrystals on Graphene for Ultrafast Energy Storage. <i>Advanced Energy Materials</i> , 2018, 8, 1702247.	19.5	211
8	A robust and active hybrid catalyst for facile oxygen reduction in solid oxide fuel cells. <i>Energy and Environmental Science</i> , 2017, 10, 964-971.	30.8	204
9	A highly active, $\text{CO}_{2}$ -tolerant electrode for the oxygen reduction reaction. <i>Energy and Environmental Science</i> , 2018, 11, 2458-2466.	30.8	202
10	Functionalized Bimetallic Hydroxides Derived from Metal-Organic Frameworks for High-Performance Hybrid Supercapacitor with Exceptional Cycling Stability. <i>ACS Energy Letters</i> , 2017, 2, 1263-1269.	17.4	167
11	Reconstruction of relaxation time distribution from linear electrochemical impedance spectroscopy. <i>Journal of Power Sources</i> , 2015, 283, 464-477.	7.8	164
12	A high-energy, long cycle-life hybrid supercapacitor based on graphene composite electrodes. <i>Energy Storage Materials</i> , 2017, 7, 32-39.	18.0	157
13	Low temperature solid oxide fuel cells with hierarchically porous cathode nano-network. <i>Nano Energy</i> , 2014, 8, 25-33.	16.0	144
14	A Highly Efficient and Robust Nanofiber Cathode for Solid Oxide Fuel Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601890.	19.5	109
15	An Active and Robust Air Electrode for Reversible Protonic Ceramic Electrochemical Cells. <i>ACS Energy Letters</i> , 0, , 1511-1520.	17.4	109
16	Direct-methane solid oxide fuel cells with hierarchically porous Ni-based anode deposited with nanocatalyst layer. <i>Nano Energy</i> , 2014, 10, 1-9.	16.0	100
17	In situ X-ray diffraction characterization of $\text{NbS}_{2}$ nanosheets as the anode material for sodium ion batteries. <i>Journal of Power Sources</i> , 2016, 325, 410-416.	7.8	99
18	A durable, high-performance hollow-nanofiber cathode for intermediate-temperature fuel cells. <i>Nano Energy</i> , 2016, 26, 90-99.	16.0	93

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19	Three-dimensional (3D) flower-like MoSe <sub>2</sub> /N-doped carbon composite as a long-life and high-rate anode material for sodium-ion batteries. <i>Chemical Engineering Journal</i> , 2019, 357, 226-236.	12.7	92
20	Synthesis of SnO <sub>2</sub> /MoS <sub>2</sub> composites with different component ratios and their applications as lithium ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17857-17866.	10.3	90
21	Hierarchically Oriented Macroporous Anode-Supported Solid Oxide Fuel Cell with Thin Ceria Electrolyte Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 5130-5136.	8.0	87
22	A New Family of Proton-Conducting Electrolytes for Reversible Solid Oxide Cells: BaHf <sub>x</sub> Ce <sub>0.8</sub> Y <sub>0.1</sub> Yb <sub>0.1</sub> O <sub>3-δ</sub> . <i>Advanced Functional Materials</i> , 2020, 30, 2002265.	14.9	86
23	Novel functionally graded acicular electrode for solid oxide cells fabricated by the freeze-tape-casting process. <i>Journal of Power Sources</i> , 2012, 213, 93-99.	7.8	85
24	An In Situ Formed, Dual-Phase Cathode with a Highly Active Catalyst Coating for Protonic Ceramic Fuel Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1704907.	14.9	82
25	A high-precision approach to reconstruct distribution of relaxation times from electrochemical impedance spectroscopy. <i>Journal of Power Sources</i> , 2016, 308, 1-6.	7.8	81
26	An effective strategy to enhancing tolerance to contaminants poisoning of solid oxide fuel cell cathodes. <i>Nano Energy</i> , 2018, 47, 474-480.	16.0	76
27	One-for-All Strategy in Fast Energy Storage: Production of Pillared MOF Nanorod-Templated Positive/Negative Electrodes for the Application of High-Performance Hybrid Supercapacitor. <i>Small</i> , 2018, 14, e1800285.	10.0	75
28	Improving the Electrocatalytic Activity and Durability of the La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-δ</sub> Cathode by Surface Modification. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39785-39793.	8.0	71
29	An Efficient Bifunctional Air Electrode for Reversible Protonic Ceramic Electrochemical Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2105386.	14.9	66
30	Surface restructuring of a perovskite-type air electrode for reversible protonic ceramic electrochemical cells. <i>Nature Communications</i> , 2022, 13, 2207.	12.8	65
31	An efficient and durable anode for ammonia protonic ceramic fuel cells. <i>Energy and Environmental Science</i> , 2022, 15, 287-295.	30.8	64
32	A binder-free composite anode composed of CuO nanosheets and multi-wall carbon nanotubes for high-performance lithium-ion batteries. <i>Electrochimica Acta</i> , 2018, 267, 150-160.	5.2	62
33	Promotion of oxygen reduction reaction on a double perovskite electrode by a water-induced surface modification. <i>Energy and Environmental Science</i> , 2021, 14, 1506-1516.	30.8	62
34	In-situ quantification of solid oxide fuel cell electrode microstructure by electrochemical impedance spectroscopy. <i>Journal of Power Sources</i> , 2015, 277, 277-285.	7.8	61
35	Performance enhancement of Ni-YSZ electrode by impregnation of Mo <sub>0.1</sub> Ce <sub>0.9</sub> O <sub>2+δ</sub> . <i>Journal of Power Sources</i> , 2012, 204, 40-45.	7.8	60
36	Enhanced Cr-tolerance of an SOFC cathode by an efficient electro-catalyst coating. <i>Nano Energy</i> , 2020, 72, 104704.	16.0	58

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37	Highly Active and Durable Air Electrodes for Reversible Protonic Ceramic Electrochemical Cells Enabled by an Efficient Bifunctional Catalyst. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	57
38	Cu <sub>6</sub> Sn <sub>5</sub> @SnO <sub>2</sub> â€“C nanocomposite with stable core/shell structure as a high reversible anode for Li-ion batteries. <i>Nano Energy</i> , 2015, 18, 232-244.	16.0	56
39	Enhancing Oxygen Reduction Activity and Cr Tolerance of Solid Oxide Fuel Cell Cathodes by a Multiphase Catalyst Coating. <i>Advanced Functional Materials</i> , 2021, 31, 2100034.	14.9	56
40	Inhibiting Sn coarsening to enhance the reversibility of conversion reaction in lithiated SnO <sub>2</sub> anodes by application of super-elastic NiTi films. <i>Acta Materialia</i> , 2016, 109, 248-258.	7.9	54
41	Fluorine-Doped Carbon Surface Modification of Li-Rich Layered Oxide Composite Cathodes for High Performance Lithium-Ion Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16399-16411.	6.7	54
42	Surfactants assisted synthesis and electrochemical properties of nano-LiFePO <sub>4</sub> /C cathode materials for low temperature applications. <i>Journal of Power Sources</i> , 2015, 288, 337-344.	7.8	49
43	An Efficient Steamâ€“Induced Heterostructured Air Electrode for Protonic Ceramic Electrochemical Cells. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	47
44	A high-performance oxygen electrode for Liâ€“O <sub>2</sub> batteries: Mo <sub>2</sub> C nanoparticles grown on carbon fibers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5690-5695.	10.3	46
45	A critical review on surface-pattern engineering of nafion membrane for fuel cell applications. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 145, 110860.	16.4	46
46	Stability Investigation for Symmetric Solid Oxide Fuel Cell with La <sub>0.4</sub> Sr <sub>0.6</sub> Co <sub>0.2</sub> Fe <sub>0.7</sub> Nb <sub>0.1</sub> O <sub>3-Î</sub> Electrode. <i>Journal of the Electrochemical Society</i> , 2015, 162, F718-F721.	2.9	44
47	La <sub>0.7</sub> Sr <sub>0.3</sub> Fe <sub>0.7</sub> Ga <sub>0.3</sub> O <sub>3-Î</sub> as electrode material for a symmetrical solid oxide fuel cell. <i>RSC Advances</i> , 2015, 5, 2702-2705.	3.6	44
48	Effective Promotion of Oxygen Reduction Reaction by in Situ Formation of Nanostructured Catalyst. <i>ACS Catalysis</i> , 2019, 9, 7137-7142.	11.2	42
49	Co-electrolysis of H <sub>2</sub> O and CO <sub>2</sub> in a solid oxide electrolysis cell with hierarchically structured porous electrodes. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15913-15919.	10.3	41
50	Snâ€“MoS <sub>2</sub> â€“C Microspheres as a Sodiumâ€“Ion Battery Anode Material with High Capacity and Long Cycle Life. <i>Chemistry - A European Journal</i> , 2017, 23, 5051-5058.	3.3	39
51	General Synthesis of Tube-like Nanostructured Perovskite Oxides with Tunable Transition Metalâ€“Oxygen Covalency for Efficient Water Electrooxidation in Neutral Media. <i>Journal of the American Chemical Society</i> , 2022, 144, 13163-13173.	13.7	39
52	Sm <sub>0.2</sub> (Ce <sub>1-x</sub> Ti <sub>x</sub> ) <sub>0.8</sub> O <sub>1.9</sub> modified Niâ€“yttria-stabilized zirconia anode for direct methane fuel cell. <i>Journal of Power Sources</i> , 2011, 196, 4987-4991.	7.8	37
53	High performance low temperature solid oxide fuel cells with novel electrode architecture. <i>RSC Advances</i> , 2012, 2, 12118.	3.6	37
54	Efficient Water Splitting Actualized through an Electrochemistryâ€“Induced Heteroâ€“Structured Antiperovskite/(Oxy)Hydroxide Hybrid. <i>Small</i> , 2020, 16, e2006800.	10.0	36

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55	A high-performance and durable direct NH <sub>3</sub> tubular protonic ceramic fuel cell integrated with an internal catalyst layer. <i>Applied Catalysis B: Environmental</i> , 2022, 306, 121071.	20.2	33
56	A Sr and Ni doped Ruddlesden-Popper perovskite oxide La <sub>1.6</sub> Sr <sub>0.4</sub> Cu <sub>0.6</sub> Ni <sub>0.4</sub> O <sub>4+δ</sub> as a promising cathode for protonic ceramic fuel cells. <i>Journal of Power Sources</i> , 2021, 509, 230369.	7.8	31
57	A high-performance, cobalt-free cathode for intermediate-temperature solid oxide fuel cells with excellent CO <sub>2</sub> tolerance. <i>Journal of Power Sources</i> , 2016, 319, 178-184.	7.8	30
58	High-performance solid oxide fuel cells based on a thin La <sub>0.8</sub> Sr <sub>0.2</sub> Ga <sub>0.8</sub> Mg <sub>0.2</sub> O <sub>3-δ</sub> electrolyte membrane supported by a nickel-based anode of unique architecture. <i>Journal of Power Sources</i> , 2016, 301, 199-203.	7.8	28
59	A dual-phase bilayer oxygen permeable membrane with hierarchically porous structure fabricated by freeze-drying tape-casting method. <i>Journal of Membrane Science</i> , 2016, 520, 354-363.	8.2	27
60	Promising Proton Conductor for Intermediate-Temperature Fuel Cells: Li <sub>13.9</sub> Sr <sub>0.1</sub> Zn(GeO <sub>4</sub> ) <sub>4</sub> . <i>Chemistry of Materials</i> , 2017, 29, 1490-1495.	6.7	25
61	A highly active and durable electrode with in situ exsolved Co nanoparticles for solid oxide electrolysis cells. <i>Journal of Power Sources</i> , 2020, 478, 229082.	7.8	25
62	Structural effects of expanded metal mesh used as a flow field for a passive direct methanol fuel cell. <i>Applied Energy</i> , 2017, 208, 184-194.	10.1	24
63	Immobilizing Polysulfide by In Situ Topochemical Oxidation Derivative TiC@Carbon-Included TiO <sub>2</sub> Core-Shell Sulfur Hosts for Advanced Lithium-Sulfur Batteries. <i>Small</i> , 2020, 16, e2005998.	10.0	24
64	An improved oxygen reduction reaction activity and CO <sub>2</sub> -tolerance of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-δ</sub> achieved by a surface modification with barium cobaltite coatings. <i>Journal of Power Sources</i> , 2021, 514, 230573.	7.8	24
65	Surface Regulating of a Double-Perovskite Electrode for Protonic Ceramic Fuel Cells to Enhance Oxygen Reduction Activity and Contaminants Poisoning Tolerance. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	24
66	Sulfur-Tolerant Hierarchically Porous Ceramic Anode-Supported Solid Oxide Fuel Cells with Self-Precipitated Nanocatalyst. <i>ChemElectroChem</i> , 2015, 2, 672-678.	3.4	23
67	Mechanism analysis of CO <sub>2</sub> corrosion on Ba <sub>0.9</sub> Co <sub>0.7</sub> Fe <sub>0.2</sub> Nb <sub>0.1</sub> O <sub>3-δ</sub> cathode. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1997-2001.	7.1	23
68	Quantitative nanoscale tracking of oxygen vacancy diffusion inside single ceria grains by in situ transmission electron microscopy. <i>Materials Today</i> , 2020, 38, 24-34.	14.2	23
69	A straight, open and macro-porous fuel electrode-supported protonic ceramic electrochemical cell. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10789-10795.	10.3	23
70	Chromium deposition and poisoning on Ba <sub>0.9</sub> Co <sub>0.7</sub> Fe <sub>0.2</sub> Nb <sub>0.1</sub> O <sub>3-δ</sub> cathode of solid oxide fuel cells. <i>Electrochimica Acta</i> , 2018, 289, 503-515.	5.2	21
71	High-Performance, Thermal Cycling Stable, Coking-Tolerant Solid Oxide Fuel Cells with Nanostructured Electrodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 4993-4999.	8.0	20
72	A Promising Composite Anode for Solid Oxide Fuel Cells: Sr <sub>2</sub> FeMo <sub>0.65</sub> Ni <sub>0.35</sub> O <sub>6-δ</sub> -Gd <sub>0.1</sub> Ce <sub>0.9</sub> O <sub>2-δ</sub> . <i>Journal of the Electrochemical Society</i> , 2019, 166, F109-F113.	2.0	19

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73	An oxygen reduction reaction active and durable SOFC cathode/electrolyte interface achieved via a cost-effective spray-coating. International Journal of Hydrogen Energy, 2021, 46, 32242-32249.	7.1	19
74	Effects of humidity on Ba <sub>0.9</sub> Co <sub>0.7</sub> Fe <sub>0.2</sub> Nb <sub>0.1</sub> O <sub>3</sub> cathode performance and durability of Solid Oxide Fuel Cells. International Journal of Hydrogen Energy, 2017, 42, 6997-7002.	7.1	18
75	From Checkerboard-Like Sand Barriers to 3D Cu@CNF Composite Current Collectors for High-Performance Batteries. Advanced Science, 2018, 5, 1800031.	11.2	18
76	High-throughput 3D reconstruction of stochastic heterogeneous microstructures in energy storage materials. Npj Computational Materials, 2019, 5, .	8.7	18
77	<i>In-situ</i> transmission electron microscopy study of oxygen vacancy ordering and dislocation annihilation in undoped and Sm-doped CeO <sub>2</sub> ceramics during redox processes. Journal of Applied Physics, 2016, 120, .	2.5	15
78	Anode-supported solid oxide fuel cells based on Sm <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>1.9</sub> electrolyte fabricated by a phase-inversion and drop-coating process. International Journal of Hydrogen Energy, 2016, 41, 10907-10913.	7.1	15
79	Understanding the Impact of Sulfur Poisoning on the Methane-Reforming Activity of a Solid Oxide Fuel Cell Anode. ACS Catalysis, 2021, 11, 13556-13566.	11.2	15
80	Effect of humidity on La <sub>0.4</sub> Sr <sub>0.6</sub> Co <sub>0.2</sub> Fe <sub>0.7</sub> Nb <sub>0.1</sub> O <sub>3</sub> cathode of solid oxide fuel cells. International Journal of Hydrogen Energy, 2019, 44, 3055-3062.	7.1	14
81	Electrochemical fields within 3D reconstructed microstructures of mixed ionic and electronic conducting devices. Journal of Power Sources, 2016, 331, 167-179.	7.8	13
82	Low temperature co-sintering of Sr <sub>2</sub> Fe <sub>1.5</sub> Mo <sub>0.5</sub> O <sub>6</sub> Gd <sub>0.1</sub> Ce <sub>0.9</sub> O <sub>2</sub> anode-supported solid oxide fuel cells with Li <sub>2</sub> O Gd <sub>0.1</sub> Ce <sub>0.9</sub> O <sub>2</sub> electrolyte. Journal of Power Sources, 2015, 297, 271-275.	7.8	12
83	Enhanced Electrochemical Performance of a Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.7</sub> Fe <sub>0.2</sub> Ni <sub>0.1</sub> O <sub>3</sub> BaZr <sub>0.1</sub> Composite Oxygen Electrode for Protonic Ceramic Electrochemical Cells. Energy & Fuels, 2021, 35, 14101-14109.	5.1	12
84	A Y-doped BaCo <sub>0.4</sub> Fe <sub>0.4</sub> Zn <sub>0.2</sub> O <sub>3</sub> perovskite air electrode with enhanced CO <sub>2</sub> tolerance and ORR activity for protonic ceramic electrochemical cells. Separation and Purification Technology, 2022, 288, 120657.	7.9	12
85	Composites of Single/Double Perovskites as Cathodes for Solid Oxide Fuel Cells. Energy Technology, 2016, 4, 804-808.	3.8	11
86	Lattice Boltzmann modelling of the coupling between charge transport and electrochemical reactions in a solid oxide fuel cell with a patterned anode. International Journal of Hydrogen Energy, 2019, 44, 30293-30305.	7.1	11
87	An open circuit voltage equation enabling separation of cathode and anode polarization resistances of ceria electrolyte based solid oxide fuel cells. Journal of Power Sources, 2017, 357, 173-178.	7.8	10
88	Interfacial effects on electrical conductivity in ultrafine-grained Sm <sub>0.2</sub> Ce <sub>0.8</sub> O <sub>2</sub> electrolytes fabricated by a two-step sintering process. International Journal of Hydrogen Energy, 2017, 42, 11823-11829.	7.1	10
89	Effects of CO <sub>2</sub> and H <sub>2</sub> O on Ba <sub>0.9</sub> Co <sub>0.7</sub> Fe <sub>0.2</sub> Nb <sub>0.1</sub> O <sub>3</sub> cathode and modification by a Ce <sub>0.9</sub> Gd <sub>0.1</sub> O <sub>2</sub> coating. Journal of Electroanalytical Chemistry, 2018, 827, 79-84.	3.8	10
90	Domain structures and Prco antisite point defects in double-perovskite PrBaCo <sub>2</sub> O <sub>5</sub> and PrBa <sub>0.8</sub> Ca <sub>0.2</sub> Co <sub>2</sub> O <sub>5</sub> . Ultramicroscopy, 2018, 193, 64-70.	1.9	10

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91	A durable polyvinyl butyral-C <sub>5</sub> H <sub>2</sub> PO <sub>4</sub> composite electrolyte for solid acid fuel cells. Journal of Power Sources, 2017, 359, 1-6.	7.8	9
92	Three-dimensional porous composite framework assembled with CuO microspheres as anode current collector for lithium-ion batteries. Science China Technological Sciences, 2019, 62, 70-79.	4.0	9
93	One Step Synthesis of Sr <sub>2</sub> Fe <sub>1.3</sub> Co <sub>0.2</sub> Mo <sub>0.5</sub> O <sub>6</sub> -Gd <sub>0.1</sub> Ce <sub>0.9</sub> O <sub>2</sub> for Symmetrical Solid Oxide Fuel Cells. Journal of the Electrochemical Society, 2020, 167, 084503.	2.9	8
94	Enhanced Water Management and Fuel Efficiency of a Fully Passive Direct Methanol Fuel Cell With Super-Hydrophilic/ -Hydrophobic Cathode Porous Flow-Field. Journal of Electrochemical Energy Conversion and Storage, 2018, 15, .	2.1	7
95	Power generation from a symmetric flat-tube solid oxide fuel cell using direct internal dry-reforming of methane. Journal of Power Sources, 2021, 516, 230662.	7.8	7
96	Effect of CO <sub>2</sub> on La <sub>0.4</sub> Sr <sub>0.6</sub> Co <sub>0.2</sub> Fe <sub>0.7</sub> Nb <sub>0.1</sub> O <sub>3</sub> cathode for solid oxide fuel cells. Journal of Electroanalytical Chemistry, 2019, 847, 113256.	3.8	6
97	Highly selective reduction of CO <sub>2</sub> through a protonic ceramic electrochemical cell. Journal of Power Sources, 2022, 524, 231101.	7.8	6
98	Mangrove Root-Inspired Carbon Nanotube Film for Micro-Direct Methanol Fuel Cells. ACS Applied Materials & Interfaces, 2022, 14, 19897-19906.	8.0	6
99	Enhancing the oxygen reduction reaction activity and durability of a double-perovskite via an A-site tuning. Science China Materials, 2022, 65, 3043-3052.	6.3	6
100	New formulas for the tortuosity factor of electrochemically conducting channels. Electrochemistry Communications, 2015, 60, 52-55.	4.7	5
101	Enhanced electrochemical activity and durability of a direct ammonia protonic ceramic fuel cell enabled by an internal catalyst layer. Separation and Purification Technology, 2022, 297, 121483.	7.9	5
102	Nanocrystals-based Macroporous Materials Synthesized by Freeze-drying Combustion. Electrochimica Acta, 2016, 217, 187-194.	5.2	4
103	Development and Fabrication of a New Concept Planar-tubular Solid Oxide Fuel Cell (PT-SOFC). Fuel Cells, 2011, 11, 451-458.	2.4	3
104	Plasma Glow Discharge as a Tool for Surface Modification of Catalytic Solid Oxides: A Case Study of La <sub>0.6</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3</sub> Perovskite. Energies, 2016, 9, 786.	3.1	3
105	(Invited) Robust and Active Mixed-Conducting Electrodes for Intermediate-Temperature Fuel Cells. ECS Transactions, 2017, 80, 3-12.	0.5	2
106	Triple-Phase Boundaries (TPBs) in Fuel Cells and Electrolyzers. , 2022, , 299-328.		2
107	A Micro-Cracked Conductive Layer Made of Multiwalled Carbon Nanotubes for Lithium-Ion Batteries. Energy Technology, 2018, 6, 658-669.	3.8	1
108	Catalyst-Coated PrBa <sub>0.8</sub> Ca <sub>0.2</sub> Co <sub>2</sub> O <sub>5+δ</sub> Cathode with High Cr-Poisoning Tolerance for Intermediate-Temperature Solid Oxide Fuel Cells. ECS Meeting Abstracts, 2019, MA2019-02, 1798-1798.	0.0	1

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109	In-situ Transmission Electron Microscopy Study of Oxygen Vacancy Ordering and Dislocation Annihilation in Undoped and Sm-doped CeO <sub>2</sub> Ceramics During Redox Processes. <i>Microscopy and Microanalysis</i> , 2017, 23, 1626-1627.	0.4	0
110	High Performance Solid Oxide Electrolysis Cells with Hierarchically Porous Ni-YSZ Electrode. <i>ECS Transactions</i> , 2017, 78, 3217-3228.	0.5	0
111	Toward a New Generation of Intermediate-Temperature Fuel Cells. <i>ECS Transactions</i> , 2017, 78, 1821-1829.	0.5	0
112	Domain Structures and PrCo Antisite Point Defects in Double-perovskite PrBaCo <sub>2</sub> O <sub>5+δ</sub> . <i>Microscopy and Microanalysis</i> , 2019, 25, 2016-2017.	0.4	0
113	Toward a New Generation of Intermediate-Temperature Fuel Cells. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
114	High Performance Solid Oxide Electrolysis Cells with Hierarchically Porous Ni-YSZ Electrode. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
115	(Invited) Robust and Active Mixed-Conducting Electrodes for Intermediate-Temperature Fuel Cells. <i>ECS Meeting Abstracts</i> , 2017, , .	0.0	0
116	(Invited) Recent Developments in Intermediate-Temperature Reversible Fuel Cells. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
117	High-Performance and Durable Reversible Fuel Cells Based on Proton Conductors. <i>ECS Meeting Abstracts</i> , 2019, , .	0.0	0
118	Activating the oxygen electrocatalytic activity of layer-structured Ca <sub>0.5</sub> CoO <sub>2</sub> nanofibers by iron doping. <i>Dalton Transactions</i> , 2022, 51, 3636-3641.	3.3	0