Vijay K Ramani

List of Publications by Year
in descending order

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148	6,303	71061	76872
papers	citations	41 h-index	74 g-index

156	156	156	6226
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance enhancement and degradation mechanism identification of a single-atom Coâ€“Nâ€“C catalyst for proton exchange membrane fuel cells. Nature Catalysis, 2020, 3, 1044-1054.	16.1	443
2	Two-dimensional NMR spectroscopy reveals cation-triggered backbone degradation in polysulfone-based anion exchange membranes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2490-2495.	3.3	416
3	Investigation of NafionÂ®/HPA composite membranes for high temperature/low relative humidity PEMFC operation. Journal of Membrane Science, 2004, 232, 31-44.	4.1	282
4	Hierarchically Structured Nanomaterials for Electrochemical Energy Conversion. Angewandte Chemie - International Edition, 2016, 55, 122-148.	7.2	207
5	CeO₂ Surface Oxygen Vacancy Concentration Governs in Situ Free Radical Scavenging Efficacy in Polymer Electrolytes. ACS Applied Materials & Interfaces, 2012, 4, 5098-5102.	4.0	182
6	Degradation Mitigation in Polymer Electrolyte Membranes Using Cerium Oxide as a Regenerative Free-Radical Scavenger. Electrochemical and Solid-State Letters, 2008, 11, B113.	2.2	170
7	Stabilized heteropolyacid/NafionÂ® composite membranes for elevated temperature/low relative humidity PEFC operation. Electrochimica Acta, 2005, 50, 1181-1187.	2.6	162
8	Strong Metalâ€“Support Interactions Enhance the Activity and Durability of Platinum Supported on Tantalum-Modified Titanium Dioxide Electrocatalysts. ACS Catalysis, 2014, 4, 1516-1525.	5.5	158
9	Assessing the influence of different cation chemistries on ionic conductivity and alkaline stability of anion exchange membranes. Journal of Materials Chemistry, 2012, 22, 3733.	6.7	156
10	Investigation of polymer electrolyte membrane chemical degradation and degradation mitigation using in situ fluorescence spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 1029-1034.	3.3	128
11	Degradation of anion exchange membranes used for hydrogen production by ultrapure water electrolysis. RSC Advances, 2014, 4, 9875.	1.7	128
12	Platinum supported on titaniumâ€“ruthenium oxide is a remarkably stable electrocatayst for hydrogen fuel cell vehicles. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 45-50.	3.3	123
13	SPEEK/functionalized silica composite membranes for polymer electrolyte fuel cells. Journal of Power Sources, 2007, 170, 259-267.	4.0	121
14	Pyrochlore electrocatalysts for efficient alkaline water electrolysis. Journal of Materials Chemistry A, 2015, 3, 10819-10828.	5.2	100
15	Polysulfone-based anion exchange membranes demonstrate excellent chemical stability and performance for the all-vanadium redox flow battery. Journal of Materials Chemistry A, 2013, 1, 10458.	5.2	97
16	The Chalkboard: Anion Exchange Membrane Fuel Cells. Electrochemical Society Interface, 2010, 19, 31-35.	0.3	93
17	Taâ€“TiOx nanoparticles as radical scavengers to improve the durability of Feâ€“Nâ€“C oxygen reduction catalysts. Nature Energy, 2022, 7, 281-289.	19.8	93
18	Best Practices for Investigating Anion Exchange Membrane Suitability for Alkaline Electrochemical Devices: Case Study Using Quaternary Ammonium Poly(2,6-dimethyl 1,4-phenylene)oxide Anion Exchange Membranes. Journal of the Electrochemical Society, 2013, 160, F1258-F1274.	1.3	85

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19	Selective Seawater Splitting Using Pyrochlore Electrocatalyst. ACS Applied Energy Materials, 2020, 3, 3978-3983.	2.5	80
20	Effect of particle size reduction on the conductivity of Nafion/phosphotungstic acid composite membranes. Journal of Membrane Science, 2005, 266, 110-114.	4.1	77
21	Oxidation State and Oxygen-Vacancy-Induced Work Function Controls Bifunctional Oxygen Electrocatalytic Activity. ACS Catalysis, 2020, 10, 7734-7746.	5.5	76
22	Stabilized composite membranes and membrane electrode assemblies for elevated temperature/low relative humidity PEFC operation. Journal of Power Sources, 2005, 152, 182-188.	4.0	74
23	Investigation of Cation Degradation in Anion Exchange Membranes Using Multi-Dimensional NMR Spectroscopy. Journal of the Electrochemical Society, 2013, 160, F1006-F1021.	1.3	74
24	Derivatized cardo-polyetherketone anion exchange membranes for all-vanadium redox flow batteries. Journal of Materials Chemistry A, 2014, 2, 6605-6615.	5.2	70
25	X-ray micro-tomography as a diagnostic tool for the electrode degradation in vanadium redox flow batteries. Electrochemistry Communications, 2014, 48, 155-159.	2.3	69
26	Metal dioxide supported heteropolyacid/NafionÂ® composite membranes for elevated temperature/low relative humidity PEFC operation. Journal of Membrane Science, 2006, 279, 506-512.	4.1	64
27	A perfluorinated anion exchange membrane with a 1,4-dimethylpiperazinium cation. Journal of Materials Chemistry, 2011, 21, 6158.	6.7	63
28	Polymer blends based on sulfonated poly(ether ketone ketone) and poly(ether sulfone) as proton exchange membranes for fuel cells. Journal of Membrane Science, 2005, 256, 122-122.	4.1	62
29	Unravelling Degradation Pathways of Oxideâ€Supported Pt Fuel Cell Nanocatalysts under In Situ Operating Conditions. Advanced Energy Materials, 2018, 8, 1701663.	10.2	62
30	Platinum supported on CeO2 effectively scavenges free radicals within the electrolyte of an operating fuel cell. Chemical Communications, 2011, 47, 11549.	2.2	61
31	Efficient pH-gradient-enabled microscale bipolar interfaces in direct borohydride fuel cells. Nature Energy, 2019, 4, 281-289.	19.8	61
32	Reactive oxygen species accelerate degradation of anion exchange membranes based on polyphenylene oxide in alkaline environments. Physical Chemistry Chemical Physics, 2016, 18, 19705-19712.	1.3	59
33	Pt/C/MnO2 hybrid electrocatalysts for degradation mitigation in polymer electrolyte fuel cells. Journal of Power Sources, 2007, 174, 159-163.	4.0	53
34	Mechanically Stable Poly(arylene ether) Anion Exchange Membranes Prepared from Commercially Available Polymers for Alkaline Electrochemical Devices. Journal of the Electrochemical Society, 2015, 162, F686-F693.	1.3	51
35	In Situ Stability Studies of Platinum Nanoparticles Supported on Rutheniumâ€“Titanium Mixed Oxide (RTO) for Fuel Cell Cathodes. ACS Catalysis, 2018, 8, 9675-9683.	5.5	51
36	Impact of Surface Carbonyl- and Hydroxyl-Group Concentrations on Electrode Kinetics in an All-Vanadium Redox Flow Battery. Journal of Physical Chemistry C, 2019, 123, 6370-6378.	1.5	49

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37	Synthesis and Alkaline Stability of Solubilized Anion Exchange Membrane Binders Based on Poly(phenylene oxide) Functionalized with Quaternary Ammonium Groups via a Hexyl Spacer. Journal of the Electrochemical Society, 2015, 162, F1236-F1242.	1.3	47
38	Proton Conducting Self-Assembled Metalâ€“Organic Framework/Polyelectrolyte Hollow Hybrid Nanostructures. ACS Applied Materials & Interfaces, 2016, 8, 23015-23021.	4.0	46
39	Detection of Reactive Oxygen Species in Anion Exchange Membrane Fuel Cells using Inâ€…Situ Fluorescence Spectroscopy. ChemSusChem, 2017, 10, 3056-3062.	3.6	45
40	Photocatalytically Generated Ptâ^•Câ€“TiO[sub 2] Electrocatalysts with Enhanced Catalyst Dispersion for Improved Membrane Durability in Polymer Electrolyte Fuel Cells. Journal of the Electrochemical Society, 2008, 155, B1102.	1.3	42
41	Influence of binder properties on kinetic and transport processes in polymer electrolyte fuel cell electrodes. Physical Chemistry Chemical Physics, 2010, 12, 6140.	1.3	42
42	RuO2â€“SiO2 mixed oxides as corrosion-resistant catalyst supports for polymer electrolyte fuel cells. Applied Catalysis B: Environmental, 2013, 138-139, 43-50.	10.8	42
43	Ta_{0.3}Ti_{0.7}O₂Electrocatalyst Supports Exhibit Exceptional Electrochemical Stability. Journal of the Electrochemical Society, 2013, 160, F1207-F1215.	1.3	42
44	Density functional theory study of hydroxide-ion induced degradation of imidazolium cations. International Journal of Hydrogen Energy, 2014, 39, 14355-14361.	3.8	42
45	Estimation of electrode ionomer oxygen permeability and ionomer-phase oxygen transport resistance in polymer electrolyte fuel cells. Physical Chemistry Chemical Physics, 2013, 15, 14994.	1.3	41
46	TiO2â€“RuO2 electrocatalyst supports exhibit exceptional electrochemical stability. Applied Catalysis B: Environmental, 2013, 140-141, 133-140.	10.8	41
47	Pt/C/Ni(OH)₂Bi-Functional Electrocatalyst for Enhanced Hydrogen Evolution Reaction Activity under Alkaline Conditions. Journal of the Electrochemical Society, 2017, 164, F1307-F1315.	1.3	41
48	Bipolar polymer electrolyte interfaces for hydrogenâ€“oxygen and direct borohydride fuel cells. International Journal of Hydrogen Energy, 2014, 39, 14312-14321.	3.8	40
49	Hydroxide-ion induced degradation pathway for dimethylimidazolium groups in anion exchange membranes. Journal of Membrane Science, 2014, 462, 112-118.	4.1	40
50	Understanding the Oxygen Reduction Reaction Activity and Oxidative Stability of Pt Supported on Nbâ€Ðoped TiO₂. ChemSusChem, 2019, 12, 3468-3480.	3.6	39
51	Ptâ^•Câ€“WO[sub 3] Electrocatalysts for Degradation Mitigation in Polymer Electrolyte Fuel Cells. Journal of the Electrochemical Society, 2008, 155, B696.	1.3	37
52	Degradation mitigation in PEM fuel cells using metal nanoparticle additives. Journal of Materials Chemistry, 2011, 21, 19381.	6.7	37
53	Electrochemical and Thermal Studies of LiNi0.8Co0.15Al0.015O2 under Fluorinated Electrolytes. Electrochimica Acta, 2014, 123, 7-13.	2.6	37
54	Composite anion exchange membranes based on quaternized cardo-poly(etherketone) and quaternized inorganic fillers for vanadium redox flow battery applications. International Journal of Hydrogen Energy, 2016, 41, 10766-10775.	3.8	36

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55	Effect of cathode binder IEC on kinetic and transport losses in all-SPEEK MEAs. Electrochimica Acta, 2008, 53, 6328-6336.	2.6	34
56	Structurally-Tuned Nitrogen-Doped Cerium Oxide Exhibits Exceptional Regenerative Free Radical Scavenging Activity in Polymer Electrolytes. Journal of the Electrochemical Society, 2014, 161, F1-F9.	1.3	34
57	A high performance direct borohydride fuel cell using bipolar interfaces and noble metal-free Ni-based anodes. Journal of Materials Chemistry A, 2020, 8, 20543-20552.	5.2	34
58	Electrocatalytic hydrogenation of furfural using non-noble-metal electrocatalysts in alkaline medium. Green Chemistry, 2021, 23, 4201-4212.	4.6	34
59	Membranes and MEAs Based on Sulfonated Poly(ether ketone ketone) and Heteropolyacids for Polymer Electrolyte Fuel Cells. Journal of the Electrochemical Society, 2008, 155, B532.	1.3	33
60	Stability of Poly(2,6-dimethyl 1,4-phenylene)Oxide-Based Anion Exchange Membrane Separator and Solubilized Electrode Binder in Solid-State Alkaline Water Electrolyzers. Journal of the Electrochemical Society, 2014, 161, F1015-F1020.	1.3	32
61	Highly Active and Durable Non-Precious Metal Catalyst for the Oxygen Reduction Reaction in Acidic Medium. Journal of the Electrochemical Society, 2016, 163, F539-F547.	1.3	32
62	Influence of Water Transport Across Microscale Bipolar Interfaces on the Performance of Direct Borohydride Fuel Cells. ACS Applied Energy Materials, 2020, 3, 4449-4456.	2.5	32
63	A Vanadiumâ€“Cerium Redox Flow Battery with an Anionâ€Exchange Membrane Separator. ChemPlusChem, 2015, 80, 412-421.	1.3	30
64	Anion Exchange Membranes Based on Polystyrene-Block-Poly(ethylene-ran-butylene)-Block-Polystyrene Triblock Copolymers: Cation Stability and Fuel Cell Performance. Journal of the Electrochemical Society, 2017, 164, F1216-F1225.	1.3	29
65	SiO₂â€“RuO₂: A Stable Electrocatalyst Support. ACS Applied Materials & Interfaces, 2012, 4, 6109-6116.	4.0	28
66	Controlling the Nitrogen Content of Metal-Nitrogen-Carbon Based Non-Precious-Metal Electrocatalysts via Selenium Addition. Journal of the Electrochemical Society, 2015, 162, F475-F482.	1.3	28
67	The performance of all vanadium redox flow batteries at below-ambient temperatures. Energy, 2016, 107, 784-790.	4.5	28
68	Cobalt-Based Coordination Polymer for Oxygen Reduction Reaction. ACS Omega, 2018, 3, 3830-3834.	1.6	28
69	Dimethyl Sulfoxide-Based Electrolytes for High-Current Potassiumâ€“Oxygen Batteries. Journal of Physical Chemistry C, 2018, 122, 19319-19327.	1.5	28
70	Tuning anion solvation energetics enhances potassiumâ€“oxygen battery performance. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14899-14904.	3.3	28
71	Development of Bimetallic PdNi Electrocatalysts toward Mitigation of Catalyst Poisoning in Direct Borohydride Fuel Cells. ACS Catalysis, 2021, 11, 8417-8430.	5.5	28
72	Kinetic and Mechanistic Investigation of Methanol Oxidation on a Smooth Polycrystalline Pt Surface. Journal of the Electrochemical Society, 2014, 161, F252-F258.	1.3	27

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73	Polystyrene-Block-Poly(ethylene-ran-butylene)-Block-Polystyrene Triblock Copolymer Separators for a Vanadium-Cerium Redox Flow Battery. Journal of the Electrochemical Society, 2017, 164, F372-F378.	1.3	27
74	Highly Durable and Active Pt/Sb-Doped SnO2 Oxygen Reduction Reaction Electrocatalysts Produced by Atomic Layer Deposition. ACS Applied Energy Materials, 2020, 3, 5774-5783.	2.5	27
75	Quarternary Ammonium and Phosphonium Based Anion Exchange Membranes for Alkaline Fuel Cells. ECS Transactions, 2010, 33, 1903-1913.	0.3	26
76	Alkaline Stability of Poly(Phenylene Oxide) Based Anion Exchange Membranes Containing Imidazolium Cations. Journal of the Electrochemical Society, 2016, 163, F824-F831.	1.3	25
77	Anion Exchange Membranes (AEMs) with Perfluorinated and Polysulfone Backbones with Different Cation Chemistries. ECS Transactions, 2011, 41, 1795-1816.	0.3	22
78	Platinum-carbon black-titanium dioxide nanocomposite electrocatalysts for fuel cell applications. Journal of Chemical Sciences, 2009, 121, 655-664.	0.7	21
79	Advances in anion exchange membranes for electrochemical energy conversion. Current Opinion in Electrochemistry, 2018, 12, 240-245.	2.5	21
80	In situ fluorescence spectroscopy correlates ionomer degradation to reactive oxygen species generation in an operating fuel cell. Physical Chemistry Chemical Physics, 2013, 15, 18965.	1.3	20
81	Study on tunable crosslinking anion exchange membranes fabrication and degradation mechanism. International Journal of Hydrogen Energy, 2016, 41, 16264-16274.	3.8	20
82	Probing oxygen reduction and oxygen evolution reactions on bifunctional non-precious metal catalysts for metalâ€“air batteries. RSC Advances, 2016, 6, 71122-71133.	1.7	20
83	Pt/RuO₂-TiO₂Electrocatalysts Exhibit Excellent Hydrogen Evolution Activity in Alkaline Media. Journal of the Electrochemical Society, 2017, 164, F1234-F1240.	1.3	20
84	Methanesulfonic acid-based electrode-decoupled vanadiumâ€“cerium redox flow battery exhibits significantly improved capacity and cycle life. Sustainable Energy and Fuels, 2019, 3, 2417-2425.	2.5	19
85	Facetâ€dependent Chlorine and Oxygen Evolution Selectivity on RuO₂: An Ab initio Atomistic Thermodynamic Study. ChemCatChem, 2020, 12, 4922-4929.	1.8	19
86	Kinetics of the oxygen reduction reaction on Pd3M (M=Cu, Ni, Fe) electrocatalysts synthesized at elevated annealing temperatures. Electrochimica Acta, 2012, 75, 254-261.	2.6	17
87	Nâ€and Pâ€coâ€doped Graphite Felt Electrode for Improving Positive Electrode Chemistry of the Vanadium Redox Flow Battery. ChemistrySelect, 2018, 3, 8678-8687.	0.7	17
88	Fuel and oxygen harvesting from Martian regolithic brine. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31685-31689.	3.3	17
89	Self-Anchored Platinum-Decorated Antimony-Doped-Tin Oxide as a Durable Oxygen Reduction Electrocatalyst. ACS Catalysis, 2021, 11, 7006-7017.	5.5	17
90	Model Studies of the Durability of a Titania-Modified Nafion Fuel Cell Membrane. Journal of the Electrochemical Society, 2009, 156, B1092.	1.3	16

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91	Optimization of Inactive Material Content in Lithium Iron Phosphate Electrodes for High Power Applications. Electrochimica Acta, 2016, 191, 173-182.	2.6	16
92	Thermal Characterization of LiFePO₄ Cathode in Lithium Ion Cells. ECS Transactions, 2011, 35, 177-183.	0.3	15
93	Contribution of Electrocatalyst Support to PEM Oxidative Degradation in an Operating PEFC. Journal of the Electrochemical Society, 2016, 163, F1611-F1617.	1.3	14
94	Enhanced methane electrooxidation by ceria and nickel oxide impregnated perovskite anodes in solid oxide fuel cells. International Journal of Hydrogen Energy, 2020, 45, 11287-11296.	3.8	14
95	Perfluorinated Polymer Electrolytes Hybridized with In situ Grown Titania Quasi-Networks. ACS Applied Materials & Interfaces, 2013, 5, 42-48.	4.0	13
96	Î²-Nickel hydroxide cathode material for nano-suspension redox flow batteries. Frontiers in Energy, 2017, 11, 401-409.	1.2	13
97	X-ray photoelectron spectroscopy study of the degradation of Pt/ITO electrocatalyst in an operating polymer electrolyte fuel cell. Chemical Engineering Science, 2016, 154, 81-89.	1.9	12
98	Evaluation of Polycrystalline Platinum and Rhodium Surfaces for the Electro-Oxidation of Aqueous Sulfur Dioxide. Electrocatalysis, 2016, 7, 50-59.	1.5	12
99	Reactant-Transport Engineering Approach to High-Power Direct Borohydride Fuel Cells. Cell Reports Physical Science, 2020, 1, 100084.	2.8	12
100	High-performance AEM unitized regenerative fuel cell using Pt-pyrochlore as bifunctional oxygen electrocatalyst. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
101	A non-platinum counter electrode, MnNx/C, for dye-sensitized solar cell applications. Applied Surface Science, 2017, 418, 179-185.	3.1	11
102	Alkaline Stability of Pure Aliphatic-based Anion Exchange Membranes Containing Cycloaliphatic Quaternary Ammonium Cations. Journal of the Electrochemical Society, 2020, 167, 124504.	1.3	11
103	Electrocatalytic hydrogenation of furfural paired with photoelectrochemical oxidation of water and furfural in batch and flow cells. Reaction Chemistry and Engineering, 2021, 6, 2342-2353.	1.9	11
104	Simple and facile synthesis of water-soluble poly(phosphazenium) polymer electrolytes. RSC Advances, 2014, 4, 61869-61876.	1.7	9
105	Microstructure-Property Relationships in Sulfonated Polyether Ether Ketone/Silsesquioxane Composite Membranes for Direct Methanol Fuel Cells. Journal of the Electrochemical Society, 2014, 161, F815-F822.	1.3	9
106	Effect of Protonated Amine Molecules on the Oxygen Reduction Reaction on Metal-Nitrogen-Carbon-Based Catalysts. Electrocatalysis, 2017, 8, 74-85.	1.5	9
107	Anisotropy of Pt nanoparticles on carbon- and oxide-support and their structural response to electrochemical oxidation probed by in situ techniques. Physical Chemistry Chemical Physics, 2020, 22, 22260-22270.	1.3	9
108	Binder-free thin graphite fiber mat sandwich electrode architectures for energy-efficient vanadium redox flow batteries. Catalysis Today, 2021, 370, 181-188.	2.2	9

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109	Electrochemical implications of modulating the solvation shell around redox active organic species in aqueous organic redox flow batteries. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	9
110	In Situ Measurement of Oxygen Permeability in Polymer Electrolyte Membranes. ECS Transactions, 2009, 25, 433-441.	0.3	7
111	Indium Tin Oxide as Catalyst Support for PEM Fuel Cell: RDE and MEA Performance. ECS Transactions, 2015, 69, 1179-1205.	0.3	7
112	Degradation Mitigation in PEM Fuel Cells Using Metal Nanoparticle and Metal Oxide Additives. ACS Symposium Series, 2010, , 187-207.	0.5	6
113	An In Situ Probe for Investigating PEM Degradation Kinetics and Degradation Mitigation. ECS Transactions, 2011, 41, 1347-1357.	0.3	6
114	Alkaline Stability and Ion Conductivity of Polysulfone Anion Exchange Membranes (AEMs) with Different Cation Chemistries. ECS Transactions, 2013, 50, 2183-2197.	0.3	6
115	Bifunctional Cross-Linking Agents Enhance Anion Exchange Membrane Efficacy for Vanadium Redox Flow Batteries. ACS Applied Materials & Interfaces, 2022, 14, 49446-49453.	4.0	6
116	Co₃O₄-Impregnated NiOâ€“YSZ: An Efficient Catalyst for Direct Methane Electrooxidation. ACS Applied Materials & Interfaces, 2020, 12, 32578-32590.	4.0	6
117	Ru_xTi_{1-x}O₂ as Catalyst Support for PEM Fuel Cell. ECS Transactions, 2010, 33, 493-505.	0.3	5
118	Composite Sulfonated Polyether Ether Ketone (SPEEK) Membranes with 3-(Trihydroxysilyl)-1-Propanesulfonic Acid for a Direct Methanol Fuel Cell (DMFC). ECS Transactions, 2013, 50, 1233-1245.	0.3	5
119	Ta Modified TiO2 Supports Exhibit Exceptional Durability in Polymer Electrolyte Fuel Cells. ECS Transactions, 2013, 58, 1823-1834.	0.3	5
120	Bidirectional energy & fuel production using RTO-supported-Ptâ€“IrO2 loaded fixed polarity unitized regenerative fuel cells. Sustainable Energy and Fuels, 2021, 5, 2734-2746.	2.5	5
121	Engineering block co-polymer anion exchange membrane domains for highly efficient electrode-decoupled redox flow batteries. Sustainable Energy and Fuels, 2021, 5, 3606-3616.	2.5	5
122	In Situ Detection of Reactive Oxygen Species in PEM Fuel Cells. ECS Transactions, 2009, 25, 443-451.	0.3	4
123	Kinetics of methane electrooxidation in pure and composite anodes of La0.3Y0.1Sr0.4TiO3â^'Î´. Journal of Solid State Electrochemistry, 2020, 24, 145-156.	1.2	4
124	Hybrid Catalysts for Degradation Mitigation in PEFCs. ECS Transactions, 2007, 11, 949-960.	0.3	3
125	Best Practices for Examining Anion Exchange Membrane Alkaline Stability for Solid-State Alkaline Fuel Cells. ECS Transactions, 2013, 58, 1551-1561.	0.3	3
126	Mixed Metal Oxides as Corrosion-Resistant Catalyst Supports for Polymer Electrolyte Fuel Cells. ECS Transactions, 2013, 50, 1669-1679.	0.3	3

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127	Electrochemical Characterization of the Dye-Sensitized Solar Cells. ECS Transactions, 2011, 33, 159-168.	0.3	2
128	Functionalized Silica Composite Membranes for Direct Methanol Fuel Cells. ECS Transactions, 2011, 41, 1633-1643.	0.3	2
129	RuO2â€¢xH2O-TiO2 as Catalyst Support for PEM Fuel Cells. ECS Transactions, 2011, 41, 1249-1255.	0.3	2
130	Subzero Degradation Analysis of Membrane Electrode Assemblies Modified with Additives. ECS Transactions, 2013, 50, 531-537.	0.3	2
131	Study of Side-chain Effects on the Properties of Anion-exchange Membrane with In Situ Photoswitch. Chemistry Letters, 2014, 43, 1493-1495.	0.7	2
132	The Activity of Benzyl and Allyl Î±-H Sites in p-Cresol-grafted Fluorinated Poly(aryl ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	0.7	2
133	Chloromethylbenzoylation as a simple way to poly(aryl ether)s with side-chain-type benzylic cationic groups for anion-exchange membranes. Polymer, 2018, 154, 272-280.	1.8	2
134	Ex-solution kinetics of nickel-ceriaâ€“doped strontium titanate perovskites. Ionics, 2021, 27, 2527-2536.	1.2	2
135	Metalâ€Nitrogenâ€Carbon Clusterâ€Decorated Titanium Carbide is a Durable and Inexpensive Oxygen Reduction Reaction Electrocatalyst. ChemSusChem, 2021, 14, 4680-4689.	3.6	2
136	Assessing the Oxidative Stability of Anion Exchange Membranes in Oxygen Saturated Aqueous Alkaline Solutions. Frontiers in Energy Research, 2022, 10, .	1.2	2
137	Electrochemical Performance of Carbon-Coated HQ-LiFePO4 Cathode. ECS Transactions, 2011, 35, 229-236.	0.3	1
138	Investigation of PEM Degradation Kinetics and Degradation Mitigation Using In Situ Fluorescence Spectroscopy and Real-Time Monitoring of Fluoride-Ion Release. ECS Transactions, 2013, 50, 935-944.	0.3	1
139	Structurally Tuned Nitrogen Doped Cerium Oxide as a Superior Free Radical Scavenger for Mitigating Polymer Electrolyte Membrane Degradation. ECS Transactions, 2013, 58, 991-998.	0.3	1
140	Membrane and MEA Development in Polymer Electrolyte Fuel Cells. , 2008, , 1-28.		0
141	Investigation of Molecular Probes Sensitivity to the Fenton Reaction Using Fluorescence Spectroscopy. ECS Transactions, 2010, 33, 889-897.	0.3	0
142	RRDE Study of ORR Kinetics on a Pd3Fe/C Electrocatalyst Annealed at Elevated Temperatures. ECS Transactions, 2011, 35, 113-121.	0.3	0
143	Proton Conducting Silica Particles: Relation between Morphology and Conductivity. ECS Transactions, 2011, 41, 875-882.	0.3	0
144	Understanding the Oxygen Reduction Reaction Activity and Oxidative Stability of Pt Supported on Nbâ€Doped TiO 2. ChemSusChem, 2019, 12, 3409-3409.	3.6	0

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145	From the Editor: Perspectives on the Future ofInterface. Electrochemical Society Interface, 2017, 26, 3-3.	0.3	0
146	From the Editor: Cash for Papers, and â€œThe Usefullness of Useless Knowledgeâ€•Redux. Electrochemical Society Interface, 2017, 26, 3-3.	0.3	0
147	Metalâ€Nitrogenâ€Carbon Clusterâ€Decorated Titanium Carbide is a Durable and Inexpensive Oxygen Reduction Reaction Electrocatalyst. ChemSusChem, 2021, 14, 4613-4614.	3.6	0
148	Electrolytic Fuel and Oxygen Harvesting from Ultra-Cold, Hypersaline Martian Regolithic Brines. ECS Meeting Abstracts, 2021, MA2021-02, 1755-1755.	0.0	0