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List of Publications by Year
in descending order

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326 papers	23,021 citations	12330 69 h-index	9589 142 g-index
335 all docs	335 docs citations	335 times ranked	22146 citing authors

#	Article	IF	Citations
1	Selective electro-oxidation of dopamine on Co or Fe supported onto N-doped ketjenblack. Electrochimica Acta, 2022, 409, 139943.	5.2	9
2	Insights on the electrochemical performance of indirect internal reforming of biogas into a solid oxide fuel cell. Electrochimica Acta, 2022, 409, 139940.	5.2	7
3	Influence of Nitrogen and Sulfur Doping of Carbon Xerogels on the Performance and Stability of Counter Electrodes in Dye Sensitized Solar Cells. Catalysts, 2022, 12, 264.	3.5	8
4	Bifunctional CuO-Ag/KB Catalyst for the Electrochemical Reduction of CO2 in an Alkaline Solid-State Electrolysis Cell. Catalysts, 2022, 12, 293.	3.5	3
5	Reinforced short-side-chain AquivionÂ® membrane for proton exchange membrane water electrolysis. International Journal of Hydrogen Energy, 2022, 47, 15557-15570.	7.1	6
6	Performance and stability of a critical raw materials-free anion exchange membrane electrolysis cell. Electrochimica Acta, 2022, 413, 140078.	5.2	19
7	Insights on a Ruddlesden-Popper phase as an active layer for a solid oxide fuel cell fed with dry biogas. Renewable Energy, 2022, 192, 784-792.	8.9	10
8	The Effect of Ni-Modified LSFCO Promoting Layer on the Gas Produced through Co-Electrolysis of CO2 and H2O at Intermediate Temperatures. Catalysts, 2021, 11, 56.	3.5	2
9	New Insights into Properties of Methanol Transport in Sulfonated Polysulfone Composite Membranes for Direct Methanol Fuel Cells. Polymers, 2021, 13, 1386.	4.5	6
10	Investigating the durability of a direct methanol fuel cell equipped with commercial Platinum Group Metal-free cathodic electro-catalysts. Electrochimica Acta, 2021, 394, 139108.	5.2	12
11	Influence of Ionomer Content in the Catalytic Layer of MEAs Based on AquivionÂ® Ionomer. Polymers, 2021, 13, 3832.	4.5	5
12	Water Splitting with Enhanced Efficiency Using a Nickel-Based Co-Catalyst at a Cupric Oxide Photocathode. Catalysts, 2021, 11, 1363.	3.5	7
13	Enhanced production of methane through the use of a catalytic Niâ€“Fe pre-layer in a solid oxide co-electrolyser. International Journal of Hydrogen Energy, 2020, 45, 5134-5142.	7.1	13
14	The role of CuSn alloy in the co-electrolysis of CO2 and H2O through an intermediate temperature solid oxide electrolyser. Journal of Energy Storage, 2020, 27, 100820.	8.1	6
15	Electrocatalysis of Oxygen on Bifunctional Nickelâ€Cobaltite Spinel. ChemElectroChem, 2020, 7, 124-130.	3.4	27
16	Durability of a recombination catalyst-based membrane-electrode assembly for electrolysis operation at high current density. Applied Energy, 2020, 279, 115809.	10.1	25
17	Dry Hydrogen Production in a Tandem Critical Raw Material-Free Water Photoelectrolysis Cell Using a Hydrophobic Gas-Diffusion Backing Layer. Catalysts, 2020, 10, 1319.	3.5	9
18	Hydrogen production via PEM electrolysis. , 2020, , 241-277.		0

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19	Lanthanum Ferrites-Based Exsolved Perovskites as Fuel-Flexible Anode for Solid Oxide Fuel Cells. Materials, 2020, 13, 3231.	2.9	24
20	TowardÂmore efficient and stable bifunctional electrocatalysts for oxygen electrodes using FeCo2O4/carbon nanofiber prepared by electrospinning. Materials Today Energy, 2020, 18, 100508.	4.7	25
21	Anionic Exchange Membrane for Photo-Electrolysis Application. Polymers, 2020, 12, 2991.	4.5	12
22	Engineering of a Lowâ€Cost, Highly Active, and Durable Tantalateâ€“Graphene Hybrid Electrocatalyst for Oxygen Reduction. Advanced Energy Materials, 2020, 10, 2000075.	19.5	21
23	Analysis of performance degradation during steady-state and load-thermal cycles of proton exchange membrane water electrolysis cells. Journal of Power Sources, 2020, 468, 228390.	7.8	37
24	Enhanced Photoelectrochemical Water Splitting at Hematite Photoanodes by Effect of a NiFe-Oxide co-Catalyst. Catalysts, 2020, 10, 525.	3.5	13
25	Assessment of the FAA3-50 polymer electrolyte in combination with a NiMn2O4 anode catalyst for anion exchange membrane water electrolysis. International Journal of Hydrogen Energy, 2020, 45, 9285-9292.	7.1	77
26	Sucrose-Assisted Solution Combustion Synthesis of Doped Strontium Ferrate Perovskite-Type Electrocatalysts: Primary Role of the Secondary Fuel. Catalysts, 2020, 10, 134.	3.5	7
27	Non platinum-based cathode catalyst systems for direct methanol fuel cells. , 2020, , 289-316.		2
28	Enhanced performance of a PtCo recombination catalyst for reducing the H2 concentration in the O2 stream of a PEM electrolysis cell in the presence of a thin membrane and a high differential pressure. Electrochimica Acta, 2020, 344, 136153.	5.2	21
29	Investigation of NiFe-Based Catalysts for Oxygen Evolution in Anion-Exchange Membrane Electrolysis. Energies, 2020, 13, 1720.	3.1	18
30	Barrier properties of sulfonated polysulfone/layered double hydroxides nanocomposite membrane for direct methanol fuel cell operating at high methanol concentrations. International Journal of Hydrogen Energy, 2020, 45, 20647-20658.	7.1	35
31	Commercial platinum group metal-free cathodic electrocatalysts for highly performed direct methanol fuel cell applications. Journal of Power Sources, 2019, 437, 226948.	7.8	48
32	Insight on Single Cell Proton Exchange Membrane Fuel Cell Performance of Pt-Cu/C Cathode. Catalysts, 2019, 9, 544.	3.5	14
33	Enhancing Oxygen Reduction Reaction Catalytic Activity Using a Subâ€Stoichiometric CaTiO 3â^' Î´ Additive. ChemElectroChem, 2019, 6, 5941-5945.	3.4	7
34	Improving the stability and discharge capacity of nanostructured Fe2O3/C anodes for iron-air batteries and investigation of 1-octhanethiol as an electrolyte additive. Electrochimica Acta, 2019, 318, 625-634.	5.2	14
35	Increasing the stability of membrane-electrode assemblies based on AquivionÂ® membranes under automotive fuel cell conditions by using proper catalysts and ionomers. Journal of Electroanalytical Chemistry, 2019, 842, 59-65.	3.8	21
36	Electrospun carbon nanofibers loaded with spinel-type cobalt oxide as bifunctional catalysts for enhanced oxygen electrocatalysis. Journal of Energy Storage, 2019, 23, 269-277.	8.1	46

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37	Performance and stability of counter electrodes based on reduced few-layer graphene oxide sheets and reduced graphene oxide quantum dots for dye-sensitized solar cells. Electrochimica Acta, 2019, 306, 396-406.	5.2	27
38	Electrospun NiMn2O4 and NiCo2O4 spinel oxides supported on carbon nanofibers as electrocatalysts for the oxygen evolution reaction in an anion exchange membrane-based electrolysis cell. International Journal of Hydrogen Energy, 2019, 44, 20987-20996.	7.1	46
39	Evaluation of hot pressing parameters on the electrochemical performance of MEAs based on AquivionÂ® PFSA membranes. Journal of Energy Chemistry, 2019, 35, 168-173.	12.9	14
40	Chemically stabilised extruded and recast short side chain AquivionÂ® proton exchange membranes for high current density operation in water electrolysis. Journal of Membrane Science, 2019, 578, 136-148.	8.2	48
41	Performance Improvement in Direct Methanol Fuel Cells by Using CaTiO3-Î´ Additive at the Cathode. Catalysts, 2019, 9, 1017.	3.5	9
42	New insights on the co-electrolysis of CO2 and H2O through a solid oxide electrolyser operating at intermediate temperatures. Electrochimica Acta, 2019, 296, 458-464.	5.2	30
43	Flammability reduction in a pressurised water electrolyser based on a thin polymer electrolyte membrane through a Pt-alloy catalytic approach. Applied Catalysis B: Environmental, 2019, 246, 254-265.	20.2	30
44	High performance solid-state iron-air rechargeable ceramic battery operating at intermediate temperatures (500â€“650â€¯Â°C). Applied Energy, 2019, 233-234, 386-394.	10.1	28
45	NiCo-loaded carbon nanofibers obtained by electrospinning: Bifunctional behavior as air electrodes. Renewable Energy, 2018, 125, 250-259.	8.9	36
46	Degradation issues of PEM electrolysis MEAs. Renewable Energy, 2018, 123, 52-57.	8.9	80
47	EDTA-derived Co N C and Fe N C electro-catalysts for the oxygen reduction reaction in acid environment. Renewable Energy, 2018, 120, 342-349.	8.9	35
48	Carbon-supported Pd and Pd-Co cathode catalysts for direct methanol fuel cells (DMFCs) operating with high methanol concentration. Journal of Electroanalytical Chemistry, 2018, 808, 464-473.	3.8	40
49	Bifunctional oxygen electrode based on a perovskite/carbon composite for electrochemical devices. Journal of Electroanalytical Chemistry, 2018, 808, 412-419.	3.8	37
50	Solid oxide fuel cells fed with dry ethanol: The effect of a perovskite protective anodic layer containing dispersed Ni-alloy @ FeOx core-shell nanoparticles. Applied Catalysis B: Environmental, 2018, 220, 98-110.	20.2	64
51	Methanol-Tolerant Mâ€“Nâ€“C Catalysts for Oxygen Reduction Reactions in Acidic Media and Their Application in Direct Methanol Fuel Cells. Catalysts, 2018, 8, 650.	3.5	36
52	Application of Low-Cost Me-N-C (Me = Fe or Co) Electrocatalysts Derived from EDTA in Direct Methanol Fuel Cells (DMFCs). Materials, 2018, 11, 1193.	2.9	18
53	Toward Tandem Solar Cells for Water Splitting Using Polymer Electrolytes. ACS Applied Materials & Interfaces, 2018, 10, 25393-25400.	8.0	10
54	Titaniumâ€“tantalum oxide as a support for Pd nanoparticles for the oxygen reduction reaction in alkaline electrolytes. Materials for Renewable and Sustainable Energy, 2018, 7, 1.	3.6	11

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55	Electrochemical Impedance Spectroscopy as a Diagnostic Tool in Polymer Electrolyte Membrane Electrolysis. Materials, 2018, 11, 1368.	2.9	88
56	Insights on the extraordinary tolerance to alcohols of Fe-N-C cathode catalysts in highly performing direct alcohol fuel cells. Nano Energy, 2017, 34, 195-204.	16.0	113
57	Enhanced durability of a cost-effective perovskite-carbon catalyst for the oxygen evolution and reduction reactions in alkaline environment. International Journal of Hydrogen Energy, 2017, 42, 28063-28069.	7.1	12
58	CO 2 reduction to alcohols in a polymer electrolyte membrane co-electrolysis cell operating at low potentials. Electrochimica Acta, 2017, 241, 28-40.	5.2	46
59	Reduced methanol crossover and enhanced proton transport in nanocomposite membranes based on clayâ^'CNTs hybrid materials for direct methanol fuel cells. Ionics, 2017, 23, 2113-2123.	2.4	28
60	Influence of powders thermal activation process on the production of planar Î²-alumina ceramic membranes. Journal of Alloys and Compounds, 2017, 696, 1080-1089.	5.5	13
61	The role of Gadolinia Doped Ceria support on the promotion of CO2 methanation over Ni and Ni Fe catalysts. International Journal of Hydrogen Energy, 2017, 42, 26828-26842.	7.1	35
62	PtCu catalyst for the electro-oxidation of ethanol in an alkaline direct alcohol fuel cell. International Journal of Hydrogen Energy, 2017, 42, 27919-27928.	7.1	66
63	Direct methanol fuel cell stack for auxiliary power units applications based on fumapemÂ® F-1850 membrane. International Journal of Hydrogen Energy, 2017, 42, 26889-26896.	7.1	12
64	The influence of iridium chemical oxidation state on the performance and durability of oxygen evolution catalysts in PEM electrolysis. Journal of Power Sources, 2017, 366, 105-114.	7.8	110
65	New insights into the stability of a high performance nanostructured catalyst for sustainable water electrolysis. Nano Energy, 2017, 40, 618-632.	16.0	112
66	Production of syngas by solid oxide electrolysis: AÂcase study. International Journal of Hydrogen Energy, 2017, 42, 27859-27865.	7.1	17
67	Synthesis and physical-chemical characterization of nanocrystalline Ta modified TiO 2 as potential support of electrocatalysts for fuel cells and electrolyzers. International Journal of Hydrogen Energy, 2017, 42, 28011-28021.	7.1	5
68	Fuel cell performance and durability investigation of bimetallic radical scavengers in Aquivion Â® perfluorosulfonic acid membranes. International Journal of Hydrogen Energy, 2017, 42, 27987-27994.	7.1	21
69	A combination of CoO and Co nanoparticles supported on electrospun carbon nanofibers as highly stable air electrodes. Journal of Power Sources, 2017, 364, 101-109.	7.8	60
70	Sulfated titania as additive in Nafion membranes for water electrolysis applications. International Journal of Hydrogen Energy, 2017, 42, 27851-27858.	7.1	19
71	Ironâ€“Air Battery Operating at High Temperature. Energy Technology, 2017, 5, 670-680.	3.8	18
72	Study of a solid oxide fuel cell fed with n-dodecane reformate. Part II: Effect of the reformate composition. International Journal of Hydrogen Energy, 2017, 42, 1751-1757.	7.1	12

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73	Enhanced performance and durability of low catalyst loading PEM water electrolyser based on a short-side chain perfluorosulfonic ionomer. Applied Energy, 2017, 192, 477-489.	10.1	138
74	Towards Highly Performing and Stable PtNi Catalysts in Polymer Electrolyte Fuel Cells for Automotive Application. Materials, 2017, 10, 317.	2.9	21
75	Carbon-Supported Pd and PdFe Alloy Catalysts for Direct Methanol Fuel Cell Cathodes. Materials, 2017, 10, 580.	2.9	29
76	N-Doped Carbon Xerogels as Pt Support for the Electro-Reduction of Oxygen. Materials, 2017, 10, 1092.	2.9	31
77	Polymer Electrolyte Membranes for Water Photo-Electrolysis. Membranes, 2017, 7, 25.	3.0	16
78	Solid oxide fuel cells. , 2016, , 89-114.		1
79	Cost Analysis of Direct Methanol Fuel Cell Stacks for Mass Production. Energies, 2016, 9, 1008.	3.1	54
80	Simple and functional direct methanol fuel cell stack designs for application in portable and auxiliary power units. International Journal of Hydrogen Energy, 2016, 41, 12320-12329.	7.1	39
81	Nickelâ€“Iron/Gadoliniumâ€Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a Solidâ€Oxide Fuel Cell Anode Fed with Biofuels. ChemCatChem, 2016, 8, 648-655.	3.7	16
82	Study of a Solid Oxide Fuel Cell fed with n-dodecane reformate. Part I: Endurance test. International Journal of Hydrogen Energy, 2016, 41, 5741-5747.	7.1	12
83	Pd supported on Ti-suboxides as bifunctional catalyst for air electrodes of metal-air batteries. International Journal of Hydrogen Energy, 2016, 41, 19579-19586.	7.1	23
84	A high-performance, bifunctional oxygen electrode catalysed with palladium and nickel-iron hexacyanoferrate. Electrochimica Acta, 2016, 206, 127-133.	5.2	25
85	High Performance and Costâ€Effective Direct Methanol Fuel Cells: Feâ€Nâ€C Methanolâ€Tolerant Oxygen Reduction Reaction Catalysts. ChemSusChem, 2016, 9, 1986-1995.	6.8	100
86	Thermoelectric characterization of an intermediate temperature solid oxide fuel cell system directly fed by dry biogas. Energy Conversion and Management, 2016, 127, 90-102.	9.2	33
87	Performance, methanol tolerance and stability of Fe-aminobenzimidazole derived catalyst for direct methanol fuel cells. Journal of Power Sources, 2016, 319, 235-246.	7.8	83
88	Performance analysis of Feâ€“Nâ€“C catalyst for DMFC cathodes: Effect of water saturation in the cathodic catalyst layer. International Journal of Hydrogen Energy, 2016, 41, 22605-22618.	7.1	42
89	Enhancing ethanol oxidation rate at PtRu electro-catalysts using metal-oxide additives. Electrochimica Acta, 2016, 191, 183-191.	5.2	31
90	Immobilized transition metal-based radical scavengers and their effect on durability of AquivionÂ® perfluorosulfonic acid membranes. Journal of Power Sources, 2016, 301, 317-325.	7.8	44

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91	Investigation of PtNi/C as methanol tolerant electrocatalyst for the oxygen reduction reaction. Journal of Electroanalytical Chemistry, 2016, 763, 10-17.	3.8	27
92	Performance analysis of a non-platinum group metal catalyst based on iron-aminoantipyrine for direct methanol fuel cells. Applied Catalysis B: Environmental, 2016, 182, 297-305.	20.2	113
93	Modifications of Sulfonic Acid-Based Membranes. , 2016, , 5-36.		1
94	Electrolyzers. , 2016, , 644-645.		0
95	Composite Membrane with Inorganic Fillers: Electrolyser Application. , 2016, , 432-434.		0
96	Direct Methanol Fuel Cell (DMFC). , 2016, , 568-570.		0
97	Carbon Nanofibers as Advanced Pd Catalyst Supports for the Air Electrode of Alkaline Metalâ€“Air Batteries. ChemPlusChem, 2015, 80, 1384-1388.	2.8	20
98	Design of Supported PtCo Electrocatalysts for Pemfcs. ECS Transactions, 2015, 69, 263-272.	0.5	2
99	Enhancement of Oxygen Reduction and Mitigation of Ionomer Dry-Out Using Insoluble Heteropoly Acids in Intermediate Temperature Polymer-Electrolyte Membrane Fuel Cells. Energies, 2015, 8, 7805-7817.	3.1	5
100	Electrocatalytic Activity and Durability of Pt-Decorated Non-Covalently Functionalized Graphitic Structures. Catalysts, 2015, 5, 1622-1635.	3.5	9
101	Selectivity of Direct Methanol Fuel Cell Membranes. Membranes, 2015, 5, 793-809.	3.0	65
102	Investigation of Supported Pd-Based Electrocatalysts for the Oxygen Reduction Reaction: Performance, Durability and Methanol Tolerance. Materials, 2015, 8, 7997-8008.	2.9	30
103	Performance of a PEM water electrolyser combining an IrRu-oxide anode electrocatalyst and a short-side chain Aquivion membrane. International Journal of Hydrogen Energy, 2015, 40, 14430-14435.	7.1	40
104	Investigation of Ni-based alloy/CGO electro-catalysts as protective layer for a solid oxide fuel cell anode fed with ethanol. Journal of Applied Electrochemistry, 2015, 45, 647-656.	2.9	30
105	Grapheneâ€Supported Substoichiometric Sodium Tantalate as a Methanolâ€Tolerant, Nonâ€Nobleâ€Metal Catalyst for the Electroreduction of Oxygen. ChemCatChem, 2015, 7, 911-915.	3.7	29
106	Investigation of the activity and stability of Pd-based catalysts towards the oxygen reduction (ORR) and evolution reactions (OER) in ironâ€“air batteries. RSC Advances, 2015, 5, 25424-25427.	3.6	39
107	Optimization of perfluorosulphonic ionomer amount in gas diffusion electrodes for PEMFC operation under automotive conditions. Electrochimica Acta, 2015, 165, 450-455.	5.2	26
108	Facile synthesis of Zr- and Ta-based catalysts for the oxygen reduction reaction. Chinese Journal of Catalysis, 2015, 36, 484-489.	14.0	8

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109	Influence of Metal Oxide Additives on the Activity and Stability of PtRu/C for Methanol Electro-Oxidation. Journal of the Electrochemical Society, 2015, 162, F713-F717.	2.9	24
110	Electrochemical Investigation of a Large SOFC Fed with n-Dodecane Reformate. ECS Transactions, 2015, 68, 2845-2849.	0.5	0
111	A nanostructured bifunctional Pd/C gas-diffusion electrode for metal-air batteries. Electrochimica Acta, 2015, 174, 508-515.	5.2	41
112	Biogas-fed solid oxide fuel cell (SOFC) coupled to tri-reformingÂprocess: Modelling and simulation. International Journal of Hydrogen Energy, 2015, 40, 14640-14650.	7.1	27
113	Ni-based Alloys as Protective Layer for a Conventional Solid Oxide Fuel Cell Fed with Biofuels. ECS Transactions, 2015, 68, 2653-2658.	0.5	2
114	Electrocatalysis of Direct Methanol and Ethanol Oxidation in Polymer Electrolyte Fuel Cells. ECS Transactions, 2015, 69, 833-845.	0.5	1
115	Nanosized IrOx and IrRuOx electrocatalysts for the O2 evolution reaction in PEM water electrolysers. Applied Catalysis B: Environmental, 2015, 164, 488-495.	20.2	213
116	Methanol and proton transport in layered double hydroxide and smectite clay-based composites: influence on the electrochemical behavior of direct methanol fuel cells at intermediate temperatures. Journal of Solid State Electrochemistry, 2015, 19, 2053-2061.	2.5	26
117	Niâ€“Cu based catalysts prepared by two different methods and their catalytic activity toward the ATR of methane. Chemical Engineering Research and Design, 2015, 93, 269-277.	5.6	24
118	Feâ€“N supported on graphitic carbon nano-networks grown from cobalt as oxygen reduction catalysts for low-temperature fuel cells. Applied Catalysis B: Environmental, 2015, 166-167, 75-83.	20.2	69
119	Evaluation of Palladium-based electrocatalyst for oxygen reduction and hydrogen oxidation in intermediate temperature polymer electrolyte fuel cells. International Journal of Hydrogen Energy, 2014, 39, 21581-21587.	7.1	8
120	Durability of a PtSn Ethanol Oxidation Electrocatalyst. ChemElectroChem, 2014, 1, 1403-1406.	3.4	16
121	Nickelâ€“Copper/Gadoliniumâ€Doped Ceria (CGO) Composite Electrocatalyst as a Protective Layer for a Solidâ€Oxide Fuel Cell Anode Fed with Ethanol. ChemElectroChem, 2014, 1, 1395-1402.	3.4	24
122	Metal oxide promoters for methanol electro-oxidation. International Journal of Hydrogen Energy, 2014, 39, 9782-9790.	7.1	28
123	Carbon nanofiber-based counter electrodes for low cost dye-sensitized solar cells. Journal of Power Sources, 2014, 250, 242-249.	7.8	65
124	Improved Pd electro-catalysis for oxygen reduction reaction in direct methanol fuel cell by reduced graphene oxide. Applied Catalysis B: Environmental, 2014, 144, 554-560.	20.2	80
125	PtCo catalyst with modulated surface characteristics for the cathode of direct methanol fuel cells. International Journal of Hydrogen Energy, 2014, 39, 5399-5405.	7.1	19
126	Performance analysis of short-side-chain AquivionÂ® perfluorosulfonic acid polymer for proton exchange membrane water electrolysis. Journal of Membrane Science, 2014, 466, 1-7.	8.2	77

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127	Towards new generation fuel cell electrocatalysts based on xerogelâ€“nanofiber carbon composites. Journal of Materials Chemistry A, 2014, 2, 13713.	10.3	33
128	Sulfonated Graphene Oxide Platelets in Nafion Nanocomposite Membrane: Advantages for Application in Direct Methanol Fuel Cells. Journal of Physical Chemistry C, 2014, 118, 24357-24368.	3.1	85
129	IrO2 as a promoter of Ptâ€“Ru for methanol electro-oxidation. Physical Chemistry Chemical Physics, 2014, 16, 10414.	2.8	24
130	Towards fuel cell membranes with improved lifetime: AquivionÂ® Perfluorosulfonic Acid membranes containing immobilized radical scavengers. Journal of Power Sources, 2014, 272, 753-758.	7.8	80
131	High surface area Ti-based mixed oxides nanofibers prepared by electrospinning. Materials Letters, 2014, 134, 281-285.	2.6	9
132	Synthesis of Pd₃Co₁@Pt/C Coreâ€Shell Catalysts for Methanolâ€Tolerant Cathodes of Direct Methanol Fuel Cells. Chemistry - A European Journal, 2014, 20, 10679-10684.	3.3	32
133	AC impedance spectroscopy investigation of carbon supported Pt3Co and Pt cathode catalysts in direct methanol fuel cell. International Journal of Hydrogen Energy, 2014, 39, 8026-8033.	7.1	11
134	Oxidized carbon nanofibers supporting PtRu nanoparticles for direct methanol fuel cells. International Journal of Hydrogen Energy, 2014, 39, 5414-5423.	7.1	33
135	Composite anode electrode based on iridium oxide promoter for direct methanol fuel cells. Electrochimica Acta, 2014, 128, 304-310.	5.2	29
136	Towards an optimal synthesis route for the preparation of highly mesoporous carbon xerogel-supported Pt catalysts for the oxygen reduction reaction. Applied Catalysis B: Environmental, 2014, 147, 947-957.	20.2	48
137	Ceramic membranes for intermediate temperature solid oxide fuel cells (SOFCs): state of the art and perspectives. , 2014, , 237-265.		2
138	Direct Methanol Fuel Cell (DMFC). , 2014, , 1-3.		1
139	Composite Membrane with Inorganic Fillers: Electrolyser Application. , 2014, , 1-2.		0
140	Electrolyzers. , 2014, , 1-2.		0
141	Electrochemical characterization of a PEM water electrolyzer based on a sulfonated polysulfone membrane. Journal of Membrane Science, 2013, 448, 209-214.	8.2	58
142	Performance analysis of polymer electrolyte membranes for direct methanol fuel cells. Journal of Power Sources, 2013, 243, 519-534.	7.8	118
143	Endurance study of a solid polymer electrolyte direct ethanol fuel cell based on a Ptâ€“Sn anode catalyst. International Journal of Hydrogen Energy, 2013, 38, 11576-11582.	7.1	31
144	Composite Anode Electrocatalyst for Direct Methanol Fuel Cells. Electrocatalysis, 2013, 4, 235-240.	3.0	15

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145	Electrochemical behaviour of an all-perovskite-based intermediate temperature solid oxide fuel cell. International Journal of Hydrogen Energy, 2013, 38, 14773-14778.	7.1	26
146	Solid Oxide Fuel Cells Based on Perovskite Components for Intermediate Temperature Operation. ECS Transactions, 2013, 58, 153-158.	0.5	0
147	Investigation of a Solid Oxide Fuel Cell Coupled to a Tri-reforming Process. ECS Transactions, 2013, 57, 2923-2928.	0.5	0
148	Preparation and characterisation of Ti oxide based catalyst supports for low temperature fuel cells. International Journal of Hydrogen Energy, 2013, 38, 11600-11608.	7.1	32
149	Current SOFC R&D Activities at CNR-ITAE. ECS Transactions, 2013, 57, 429-436.	0.5	0
150	Reliability of an All Perovskite-Based Solid Oxide Fuel Cell. ECS Transactions, 2013, 57, 781-787.	0.5	0
151	Platinum Ruthenium Catalysts Supported on Carbon Xerogel for Methanol Electroâ€Oxidation: Influence of the Catalyst Synthesis Method. ChemCatChem, 2013, 5, 3770-3780.	3.7	20
152	Investigation of Pd-based electrocatalysts for oxygen reduction in PEMFCs operating under automotive conditions. Journal of Power Sources, 2013, 222, 390-399.	7.8	22
153	Polymer electrolyte membrane water electrolysis: status of technologies and potential applications in combination with renewable power sources. Journal of Applied Electrochemistry, 2013, 43, 107-118.	2.9	198
154	Catalytic behavior of Ni-modified perovskite and doped ceria composite catalyst for the conversion of odorized propane to syngas. Fuel Processing Technology, 2013, 113, 28-33.	7.2	18
155	Performance evaluation of a solid oxide fuel cell coupled to an external biogas tri-reforming process. Fuel Processing Technology, 2013, 115, 238-245.	7.2	36
156	Optimizing the synthesis of carbon nanofiber based electrocatalysts for fuel cells. Applied Catalysis B: Environmental, 2013, 132-133, 22-27.	20.2	45
157	Evaluation of materials and components degradation of a PEM electrolyzer for marine applications. International Journal of Hydrogen Energy, 2013, 38, 7612-7615.	7.1	15
158	Investigation of several graphite-based electrodes for vanadium redox flow cell. Journal of Power Sources, 2013, 227, 15-23.	7.8	131
159	Hybrid ordered mesoporous carbons doped with tungsten trioxide as supports for Pt electrocatalysts for methanol oxidation reaction. Electrochimica Acta, 2013, 94, 80-91.	5.2	61
160	An electro-kinetic study of oxygen reduction in polymer electrolyte fuel cells at intermediate temperatures. International Journal of Hydrogen Energy, 2013, 38, 675-681.	7.1	17
161	Design and testing of a compact PEM electrolyzer system. International Journal of Hydrogen Energy, 2013, 38, 11519-11529.	7.1	32
162	Oxide-supported PtCo alloy catalyst for intermediate temperature polymer electrolyte fuel cells. Applied Catalysis B: Environmental, 2013, 142-143, 15-24.	20.2	30

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163	Investigation of a PEM Water Electrolyzer Based on a Sulfonated Polysulfone Membrane. ECS Transactions, 2013, 58, 615-620.	0.5	1
164	PtRu Nanoparticles Deposited by the Sulfite Complex Method on Highly Porous Carbon Xerogels: Effect of the Thermal Treatment. Catalysts, 2013, 3, 744-756.	3.5	11
165	Investigation of a Cathodic Bimetallic Catalyst Based on Platinum and Cobalt for Application in Direct Methanol Fuel Cells. ECS Transactions, 2013, 58, 1715-1721.	0.5	0
166	Development of a Compact PEM Electrolyzer System for Applications with Microdistributed Renewable Sources. ECS Transactions, 2012, 42, 95-100.	0.5	0
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