Antonino S AricÃ²

List of Publications by Year
in descending order

326 papers	23,021 citations	14124 69 h-index	10955 142 g-index
335 all docs	335 docs citations	335 times ranked	25701 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.	2.6	9
2	Insights on the electrochemical performance of indirect internal reforming of biogas into a solid oxide fuel cell. Electrochimica Acta, 2022, 409, 139940.	2.6	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.	1.6	8
4	Bifunctional CuO-Ag/KB Catalyst for the Electrochemical Reduction of CO2 in an Alkaline Solid-State Electrolysis Cell. Catalysts, 2022, 12, 293.	1.6	3
5	Reinforced short-side-chain AquivionÂ® membrane for proton exchange membrane water electrolysis. International Journal of Hydrogen Energy, 2022, 47, 15557-15570.	3.8	6
6	Performance and stability of a critical raw materials-free anion exchange membrane electrolysis cell. Electrochimica Acta, 2022, 413, 140078.	2.6	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.	4.3	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.	1.6	2
9	New Insights into Properties of Methanol Transport in Sulfonated Polysulfone Composite Membranes for Direct Methanol Fuel Cells. Polymers, 2021, 13, 1386.	2.0	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.	2.6	12
11	Influence of Ionomer Content in the Catalytic Layer of MEAs Based on AquivionÂ® Ionomer. Polymers, 2021, 13, 3832.	2.0	5
12	Water Splitting with Enhanced Efficiency Using a Nickel-Based Co-Catalyst at a Cupric Oxide Photocathode. Catalysts, 2021, 11, 1363.	1.6	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.	3.8	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.	3.9	6
15	Electrocatalysis of Oxygen on Bifunctional Nickelâ€Cobaltite Spinel. ChemElectroChem, 2020, 7, 124-130.	1.7	27
16	Durability of a recombination catalyst-based membrane-electrode assembly for electrolysis operation at high current density. Applied Energy, 2020, 279, 115809.	5.1	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.	1.6	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.	1.3	24
20	TowardÂmore efficient and stable bifunctional electrocatalysts for oxygen electrodes using FeCo2O4/carbon nanofiber prepared by electrospinning. Materials Today Energy, 2020, 18, 100508.	2.5	25
21	Anionic Exchange Membrane for Photo-Electrolysis Application. Polymers, 2020, 12, 2991.	2.0	12
22	Engineering of a Lowâ€€Cost, Highly Active, and Durable Tantalateâ€“Graphene Hybrid Electrocatalyst for Oxygen Reduction. Advanced Energy Materials, 2020, 10, 2000075.	10.2	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.	4.0	37
24	Enhanced Photoelectrochemical Water Splitting at Hematite Photoanodes by Effect of a NiFe-Oxide co-Catalyst. Catalysts, 2020, 10, 525.	1.6	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.	3.8	77
26	Sucrose-Assisted Solution Combustion Synthesis of Doped Strontium Ferrate Perovskite-Type Electrocatalysts: Primary Role of the Secondary Fuel. Catalysts, 2020, 10, 134.	1.6	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.	2.6	21
29	Investigation of NiFe-Based Catalysts for Oxygen Evolution in Anion-Exchange Membrane Electrolysis. Energies, 2020, 13, 1720.	1.6	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.	3.8	35
31	Commercial platinum group metal-free cathodic electrocatalysts for highly performed direct methanol fuel cell applications. Journal of Power Sources, 2019, 437, 226948.	4.0	48
32	Insight on Single Cell Proton Exchange Membrane Fuel Cell Performance of Pt-Cu/C Cathode. Catalysts, 2019, 9, 544.	1.6	14
33	Enhancing Oxygen Reduction Reaction Catalytic Activity Using a Subâ€Stoichiometric CaTiO 3â^' Î´ Additive. ChemElectroChem, 2019, 6, 5941-5945.	1.7	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.	2.6	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.	1.9	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.	3.9	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.	2.6	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.	3.8	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.	7.1	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.	4.1	48
41	Performance Improvement in Direct Methanol Fuel Cells by Using CaTiO3-Î´ Additive at the Cathode. Catalysts, 2019, 9, 1017.	1.6	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.	2.6	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.	10.8	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.	5.1	28
45	NiCo-loaded carbon nanofibers obtained by electrospinning: Bifunctional behavior as air electrodes. Renewable Energy, 2018, 125, 250-259.	4.3	36
46	Degradation issues of PEM electrolysis MEAs. Renewable Energy, 2018, 123, 52-57.	4.3	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.	4.3	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.	1.9	40
49	Bifunctional oxygen electrode based on a perovskite/carbon composite for electrochemical devices. Journal of Electroanalytical Chemistry, 2018, 808, 412-419.	1.9	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.	10.8	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.	1.6	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.	1.3	18
53	Toward Tandem Solar Cells for Water Splitting Using Polymer Electrolytes. ACS Applied Materials & Interfaces, 2018, 10, 25393-25400.	4.0	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.	1.5	11

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55	Electrochemical Impedance Spectroscopy as a Diagnostic Tool in Polymer Electrolyte Membrane Electrolysis. Materials, 2018, 11, 1368.	1.3	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.	8.2	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.	3.8	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.	2.6	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.	1.2	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.	2.8	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.	3.8	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.	3.8	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.	3.8	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.	4.0	110
65	New insights into the stability of a high performance nanostructured catalyst for sustainable water electrolysis. Nano Energy, 2017, 40, 618-632.	8.2	112
66	Production of syngas by solid oxide electrolysis: AÂcase study. International Journal of Hydrogen Energy, 2017, 42, 27859-27865.	3.8	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.	3.8	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.	3.8	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.	4.0	60
70	Sulfated titania as additive in Nafion membranes for water electrolysis applications. International Journal of Hydrogen Energy, 2017, 42, 27851-27858.	3.8	19
71	Ironâ€“Air Battery Operating at High Temperature. Energy Technology, 2017, 5, 670-680.	1.8	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.	3.8	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.	5.1	138
74	Towards Highly Performing and Stable PtNi Catalysts in Polymer Electrolyte Fuel Cells for Automotive Application. Materials, 2017, 10, 317.	1.3	21
75	Carbon-Supported Pd and PdFe Alloy Catalysts for Direct Methanol Fuel Cell Cathodes. Materials, 2017, 10, 580.	1.3	29
76	N-Doped Carbon Xerogels as Pt Support for the Electro-Reduction of Oxygen. Materials, 2017, 10, 1092.	1.3	31
77	Polymer Electrolyte Membranes for Water Photo-Electrolysis. Membranes, 2017, 7, 25.	1.4	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.	1.6	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.	3.8	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.	1.8	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.	3.8	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.	3.8	23
84	A high-performance, bifunctional oxygen electrode catalysed with palladium and nickel-iron hexacyanoferrate. Electrochimica Acta, 2016, 206, 127-133.	2.6	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.	3.6	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.	4.4	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.	4.0	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.	3.8	42
89	Enhancing ethanol oxidation rate at PtRu electro-catalysts using metal-oxide additives. Electrochimica Acta, 2016, 191, 183-191.	2.6	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.	4.0	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.	1.9	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.	10.8	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.	1.3	20
98	Design of Supported PtCo Electrocatalysts for Pemfcs. ECS Transactions, 2015, 69, 263-272.	0.3	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.	1.6	5
100	Electrocatalytic Activity and Durability of Pt-Decorated Non-Covalently Functionalized Graphitic Structures. Catalysts, 2015, 5, 1622-1635.	1.6	9
101	Selectivity of Direct Methanol Fuel Cell Membranes. Membranes, 2015, 5, 793-809.	1.4	65
102	Investigation of Supported Pd-Based Electrocatalysts for the Oxygen Reduction Reaction: Performance, Durability and Methanol Tolerance. Materials, 2015, 8, 7997-8008.	1.3	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.	3.8	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.	1.5	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.	1.8	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.	1.7	39
107	Optimization of perfluorosulphonic ionomer amount in gas diffusion electrodes for PEMFC operation under automotive conditions. Electrochimica Acta, 2015, 165, 450-455.	2.6	26
108	Facile synthesis of Zr- and Ta-based catalysts for the oxygen reduction reaction. Chinese Journal of Catalysis, 2015, 36, 484-489.	6.9	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.	1.3	24
110	Electrochemical Investigation of a Large SOFC Fed with n-Dodecane Reformate. ECS Transactions, 2015, 68, 2845-2849.	0.3	0
111	A nanostructured bifunctional Pd/C gas-diffusion electrode for metal-air batteries. Electrochimica Acta, 2015, 174, 508-515.	2.6	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.	3.8	27
113	Ni-based Alloys as Protective Layer for a Conventional Solid Oxide Fuel Cell Fed with Biofuels. ECS Transactions, 2015, 68, 2653-2658.	0.3	2
114	Electrocatalysis of Direct Methanol and Ethanol Oxidation in Polymer Electrolyte Fuel Cells. ECS Transactions, 2015, 69, 833-845.	0.3	1
115	Nanosized IrOx and IrRuOx electrocatalysts for the O2 evolution reaction in PEM water electrolysers. Applied Catalysis B: Environmental, 2015, 164, 488-495.	10.8	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.	1.2	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.	2.7	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.	10.8	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.	3.8	8
120	Durability of a PtSn Ethanol Oxidation Electrocatalyst. ChemElectroChem, 2014, 1, 1403-1406.	1.7	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.	1.7	24
122	Metal oxide promoters for methanol electro-oxidation. International Journal of Hydrogen Energy, 2014, 39, 9782-9790.	3.8	28
123	Carbon nanofiber-based counter electrodes for low cost dye-sensitized solar cells. Journal of Power Sources, 2014, 250, 242-249.	4.0	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.	10.8	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.	3.8	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.	4.1	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.	5.2	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.	1.5	85
129	IrO2 as a promoter of Ptâ€“Ru for methanol electro-oxidation. Physical Chemistry Chemical Physics, 2014, 16, 10414.	1.3	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.	4.0	80
131	High surface area Ti-based mixed oxides nanofibers prepared by electrospinning. Materials Letters, 2014, 134, 281-285.	1.3	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.	1.7	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.	3.8	11
134	Oxidized carbon nanofibers supporting PtRu nanoparticles for direct methanol fuel cells. International Journal of Hydrogen Energy, 2014, 39, 5414-5423.	3.8	33
135	Composite anode electrode based on iridium oxide promoter for direct methanol fuel cells. Electrochimica Acta, 2014, 128, 304-310.	2.6	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.	10.8	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.	4.1	58
142	Performance analysis of polymer electrolyte membranes for direct methanol fuel cells. Journal of Power Sources, 2013, 243, 519-534.	4.0	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.	3.8	31
144	Composite Anode Electrocatalyst for Direct Methanol Fuel Cells. Electrocatalysis, 2013, 4, 235-240.	1.5	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.	3.8	26
146	Solid Oxide Fuel Cells Based on Perovskite Components for Intermediate Temperature Operation. ECS Transactions, 2013, 58, 153-158.	0.3	0
147	Investigation of a Solid Oxide Fuel Cell Coupled to a Tri-reforming Process. ECS Transactions, 2013, 57, 2923-2928.	0.3	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.	3.8	32
149	Current SOFC R&D Activities at CNR-ITAE. ECS Transactions, 2013, 57, 429-436.	0.3	0
150	Reliability of an All Perovskite-Based Solid Oxide Fuel Cell. ECS Transactions, 2013, 57, 781-787.	0.3	0
151	Platinum Ruthenium Catalysts Supported on Carbon Xerogel for Methanol Electroâ€Oxidation: Influence of the Catalyst Synthesis Method. ChemCatChem, 2013, 5, 3770-3780.	1.8	20
152	Investigation of Pd-based electrocatalysts for oxygen reduction in PEMFCs operating under automotive conditions. Journal of Power Sources, 2013, 222, 390-399.	4.0	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.	1.5	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.	3.7	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.	3.7	36
156	Optimizing the synthesis of carbon nanofiber based electrocatalysts for fuel cells. Applied Catalysis B: Environmental, 2013, 132-133, 22-27.	10.8	45
157	Evaluation of materials and components degradation of a PEM electrolyzer for marine applications. International Journal of Hydrogen Energy, 2013, 38, 7612-7615.	3.8	15
158	Investigation of several graphite-based electrodes for vanadium redox flow cell. Journal of Power Sources, 2013, 227, 15-23.	4.0	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.	2.6	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.	3.8	17
161	Design and testing of a compact PEM electrolyzer system. International Journal of Hydrogen Energy, 2013, 38, 11519-11529.	3.8	32
162	Oxide-supported PtCo alloy catalyst for intermediate temperature polymer electrolyte fuel cells. Applied Catalysis B: Environmental, 2013, 142-143, 15-24.	10.8	30

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163	Investigation of a PEM Water Electrolyzer Based on a Sulfonated Polysulfone Membrane. ECS Transactions, 2013, 58, 615-620.	0.3	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.	1.6	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.	0.3	0
166	Development of a Compact PEM Electrolyzer System for Applications with Microdistributed Renewable Sources. ECS Transactions, 2012, 42, 95-100.	0.3	0
167	Design of efficient methanol impermeable membranes for fuel cell applications. Physical Chemistry Chemical Physics, 2012, 14, 2718.	1.3	28
168	The influence of polydimethylsiloxane curing ratio on capillary pressure in microfluidic devices. Applied Surface Science, 2012, 258, 8032-8039.	3.1	11
169	NMR and Electrochemical Investigation of the Transport Properties of Methanol and Water in Nafion and Clay-Nanocomposites Membranes for DMFCs. Membranes, 2012, 2, 325-345.	1.4	25
170	Fuel flexibility: A key challenge for SOFC technology. Fuel, 2012, 102, 554-559.	3.4	86
171	An electrochemical study of a PEM stack for water electrolysis. International Journal of Hydrogen Energy, 2012, 37, 1939-1946.	3.8	120
172	The influence of carbon nanofiber support properties on the oxygen reduction behavior in proton conducting electrolyte-based direct methanol fuel cells. International Journal of Hydrogen Energy, 2012, 37, 6253-6260.	3.8	33
173	Nanosized Pt/IrO2 electrocatalyst prepared by modified polyol method for application as dual function oxygen electrode in unitized regenerative fuel cells. International Journal of Hydrogen Energy, 2012, 37, 5508-5517.	3.8	71
174	Enhanced oxygen reduction activity and durability of Pt catalysts supported on carbon nanofibers. Applied Catalysis B: Environmental, 2012, 115-116, 269-275.	10.8	109
175	Performance and selectivity of PtxSn/C electro-catalysts for ethanol oxidation prepared by reduction with different formic acid concentrations. Electrochimica Acta, 2012, 70, 255-265.	2.6	53
176	The effect of thermal treatment on structure and surface composition of PtCo electro-catalysts for application in PEMFCs operating under automotive conditions. Journal of Power Sources, 2012, 208, 35-45.	4.0	52
177	Solid polymer electrolyte based on sulfonated polysulfone membranes and acidic silica for direct methanol fuel cells. Solid State Ionics, 2012, 216, 90-94.	1.3	32
178	Performance comparison of long and short-side chain perfluorosulfonic membranes for high temperature polymer electrolyte membrane fuel cell operation. Journal of Power Sources, 2011, 196, 8925-8930.	4.0	124
179	Direct utilization of methanol in solid oxide fuel cells: An electrochemical and catalytic study. International Journal of Hydrogen Energy, 2011, 36, 9977-9986.	3.8	41
180	PEM fuel cells analysis for grid connected applications. International Journal of Hydrogen Energy, 2011, 36, 10908-10916.	3.8	30

#	Article	IF	Citations
181	Nanosized IrO2 electrocatalysts for oxygen evolution reaction in an SPE electrolyzer. Journal of Nanoparticle Research, 2011, 13, 1639-1646.	0.8	93
182	Glycerol oxidation in solid oxide fuel cells based on a Ni-perovskite electrocatalyst. Biomass and Bioenergy, 2011, 35, 1075-1084.	2.9	41
183	Optimization of components and assembling in a PEM electrolyzer stack. International Journal of Hydrogen Energy, 2011, 36, 3333-3339.	3.8	79
184	Investigation of IrO2 electrocatalysts prepared by a sulfite-couplex route for the O2 evolution reaction in solid polymer electrolyte water electrolyzers. International Journal of Hydrogen Energy, 2011, 36, 7822-7831.	3.8	85
185	Development of a planar Î¼DMFC operating at room temperature. International Journal of Hydrogen Energy, 2011, 36, 8088-8093.	3.8	21
186	Investigation of Carbon Supported Pt and PtCo Electrocatalysts by Low-Energy Ion Scattering and X-ray Photoelectron Spectroscopy: Influence of the Surface Characteristics on Performance and Degradation. ECS Transactions, 2011, 35, 83-91.	0.3	3
187	Fuel Flexible Anode for Solid Oxide Fuel Cells: An Electrochemical and Catalytic Study. ECS Transactions, 2011, 35, 1753-1760.	0.3	1
188	Electrochemical Behavior of Direct Methanol Fuel Cells Based on Acidic Silica - Sulfonated Polysulfone Composite Membranes. ECS Transactions, 2011, 41, 2003-2009.	0.3	3
189	Nanostructured materials for advanced energy conversion and storage devices. , 2010, , 148-159.		74
190	Pt dendrimer nanocomposites for oxygen reduction reaction in direct methanol fuel cells. Journal of Solid State Electrochemistry, 2010, 14, 835-840.	1.2	11
191	Propane-fed Solid Oxide Fuel Cell Based on a Composite Ni-La-CGO Anode Catalyst. Catalysis Letters, 2010, 136, 57-64.	1.4	17
192	Investigation of a Ptâ€“Fe/C catalyst for oxygen reduction reaction in direct ethanol fuel cells. Journal of Nanoparticle Research, 2010, 12, 357-365.	0.8	18
193	ACâ€Impedance Investigation of Different MEA Configurations for Passiveâ€Mode DMFC Miniâ€Stack Applications. Fuel Cells, 2010, 10, 124-131.	1.5	4
194	High Temperature Operation of a Solid Polymer Electrolyte Fuel Cell Stack Based on a New Ionomer Membrane. Fuel Cells, 2010, 10, 1013-1023.	1.5	91
195	Enhanced Ionic Conductivity in Planar Sodiumâ€Î²â€Alumina Electrolyte for Electrochemical Energy Storage Applications. ChemSusChem, 2010, 3, 1390-1397.	3.6	15
196	Investigation of sulfonated polysulfone membranes as electrolyte in a passive-mode direct methanol fuel cell mini-stack. Journal of Power Sources, 2010, 195, 7727-7733.	4.0	27
197	Electrochemical characterization of single cell and short stack PEM electrolyzers based on a nanosized IrO2 anode electrocatalyst. International Journal of Hydrogen Energy, 2010, 35, 5558-5568.	3.8	138
198	Performance comparison of portable direct methanol fuel cell mini-stacks based on a low-cost fluorine-free polymer electrolyte and Nafion membrane. Electrochimica Acta, 2010, 55, 6022-6027.	2.6	21

#	Article	IF	Citations
199	Surface Properties of Pt and PtCo Electrocatalysts and Their Influence on the Performance and Degradation of High-Temperature Polymer Electrolyte Fuel Cells. Journal of Physical Chemistry C, 2010, 114, 15823-15836.	1.5	57
200	High Temperature Operation of a Solid Polymer Electrolyte Fuel Cell Stack Based on a New Ionomer Membrane. ECS Transactions, 2009, 25, 1999-2007.	0.3	5
201	Mitigation of Carbon Deposits Formation in IT-SOFCs Fed with Dry Methane by Anode Doping with Barium. ECS Transactions, 2009, 25, 2083-2090.	0.3	3
202	A Half Cell Study of Performance and Degradation of Oxygen Reduction Catalysts for Application in Low Temperature Fuel Cells. Fuel Cells, 2009, 9, 201-208.	1.5	14
203	Solid Polymer Electrolyte Water Electrolyser Based on Nafionâ€TiO₂ Composite Membrane for High Temperature Operation. Fuel Cells, 2009, 9, 247-252.	1.5	71
204	Mitigation of carbon deposits formation in intermediate temperature solid oxide fuel cells fed with dry methane by anode doping with barium. Journal of Power Sources, 2009, 193, 160-164.	4.0	58
205	Preparation and evaluation of RuO2â€“IrO2, IrO2â€“Pt and IrO2â€“Ta2O5 catalysts for the oxygen evolution reaction in an SPE electrolyzer. Journal of Applied Electrochemistry, 2009, 39, 191-196.	1.5	111
206	Comparison of the electrochemical properties of intermediate temperature solid oxide fuel cells based on protonic and anionic electrolytes. Journal of Applied Electrochemistry, 2009, 39, 477-483.	1.5	13
207	Investigation of low cost carbonaceous materials for application as counter electrode in dye-sensitized solar cells. Journal of Applied Electrochemistry, 2009, 39, 2173-2179.	1.5	56
208	Investigation of passive DMFC mini-stacks at ambient temperature. Electrochimica Acta, 2009, 54, 2004-2009.	2.6	50
209	Investigation of carbon-supported Pt and PtCo catalysts for oxygen reduction in direct methanol fuel cells. Electrochimica Acta, 2009, 54, 4844-4850.	2.6	40
210	Electrochemical behaviour of propane-fed solid oxide fuel cells based on low Ni content anode catalysts. Electrochimica Acta, 2009, 54, 5280-5285.	2.6	23
211	Electrochemical investigation of a propane-fed solid oxide fuel cell based on a composite Niâ€perovskite anode catalyst. Applied Catalysis B: Environmental, 2009, 89, 49-57.	10.8	38
212	Preparation and characterization of titanium suboxides as conductive supports of IrO2 electrocatalysts for application in SPE electrolysers. Electrochimica Acta, 2009, 54, 6292-6299.	2.6	131
213	Durable Superhydrophobic and Antireflective Surfaces by Trimethylsilanized Silica Nanoparticles-Based Solâ"Gel Processing. Langmuir, 2009, 25, 6357-6362.	1.6	305
214	Ni-Modified Perovskite Materials for Solid Oxide Fuel Cell Anodes Fed With Glycerol. ECS Transactions, 2009, 25, 2241-2248.	0.3	4
215	Planar Structure Î¼DMFCs. ECS Transactions, 2009, 17, 485-489.	0.3	0
216	Optimization of properties and operating parameters of a passive DMFC mini-stack at ambient temperature. Journal of Power Sources, 2008, 180, 797-802.	4.0	59

#	Article	IF	Citations
217	PEOâ€“PPOâ€“PEO triblock copolymer/Nafion blend as membrane material for intermediate temperature DMFCs. Journal of Applied Electrochemistry, 2008, 38, 543-550.	1.5	20
218	Degradation of oxygen-depolarized Ag-based gas diffusion electrodes for chlor-alkali cells. Journal of Applied Electrochemistry, 2008, 38, 1637-1646.	1.5	8
219	Ptâ€“Fe cathode catalysts to improve the oxygen reduction reaction and methanol tolerance in direct methanol fuel cells. Journal of Solid State Electrochemistry, 2008, 12, 643-649.	1.2	31
220	Performance and degradation of high temperature polymer electrolyte fuel cell catalysts. Journal of Power Sources, 2008, 178, 525-536.	4.0	113
221	Polymer electrolytes based on sulfonated polysulfone for direct methanol fuel cells. Journal of Power Sources, 2008, 179, 34-41.	4.0	104
222	Pt catalysts supported on zeolitized-pumice for the selective hydrogenation of campholenic aldehyde: A characterization and kinetic study. Applied Catalysis A: General, 2008, 350, 169-177.	2.2	10
223	High temperature operation of a composite membrane-based solid polymer electrolyte water electrolyser. Electrochimica Acta, 2008, 53, 7350-7356.	2.6	101
224	Investigation of composite Ni-doped perovskite anode catalyst for electrooxidation of hydrogen in solid oxide fuel cell. International Journal of Hydrogen Energy, 2008, 33, 3150-3152.	3.8	16
225	Influence of Chemistry and Topology Effects on Superhydrophobic CF₄-Plasma-Treated Poly(dimethylsiloxane) (PDMS). Langmuir, 2008, 24, 1833-1843.	1.6	75
226	Development of Pt and Ptâ€“Fe Catalysts Supported on Multiwalled Carbon Nanotubes for Oxygen Reduction in Direct Methanol Fuel Cells. Journal of the Electrochemical Society, 2008, 155, B829.	1.3	56
227	Preparation and Application of IrO2/Pt Electrocatalyst for Regenerative Fuel Cells. ECS Transactions, 2007, 11, 191-196.	0.3	7
228	Recent Advances on the Development of NiCu Alloy Catalysts for IT-SOFCs. ECS Transactions, 2007, 7, 1685-1693.	0.3	8
229	Investigation of Composite Ni-Doped Perovskite Anode for Direct Oxidation of Hydrocarbons. ECS Transactions, 2007, 7, 1761-1767.	0.3	0
230	Local environment of Barium, Cerium and Yttrium in BaCe1â^'xYxO3â^'Î´ ceramic protonic conductors. Solid State Ionics, 2007, 178, 587-591.	1.3	45
231	One-pot synthesis of naturanol from Î±-pinene oxide on bifunctional Pt-Sn/SiO2 heterogeneous catalysts. Applied Catalysis A: General, 2007, 325, 15-24.	2.2	28
232	Investigation of a Ba0.5Sr0.5Co0.8Fe0.2O3â^'Î´ based cathode SOFC. Applied Catalysis B: Environmental, 2007, 76, 320-327.	10.8	164
233	Investigation of bimetallic Ptâ€“M/C as DMFC cathode catalysts. Electrochimica Acta, 2007, 53, 1360-1364.	2.6	77
234	Performance and life-time behaviour of NiCuâ€“CGO anodes for the direct electro-oxidation of methane in IT-SOFCs. Journal of Power Sources, 2007, 164, 300-305.	4.0	56

#	Article	IF	Citations
235	Propane conversion over a Ru/CGO catalyst and its application in intermediate temperature solid oxide fuel cells. Journal of Applied Electrochemistry, 2007, 37, 203-208.	1.5	28
236	Investigation of Ptâ€“Ru nanoparticle catalysts for low temperature methanol electro-oxidation. Journal of Solid State Electrochemistry, 2007, 11, 1229-1238.	1.2	42
237	Proton exchange membranes based on the short-side-chain perfluorinated ionomer for high temperature direct methanol fuel cells. Desalination, 2006, 199, 271-273.	4.0	44
238	Development and characterization of sulfonated polysulfone membranes for direct methanol fuel cells. Desalination, 2006, 199, 283-285.	4.0	55
239	Membranes for portable direct alcohol fuel cells. Desalination, 2006, 200, 653-655.	4.0	9
240	Investigation of Ptâ€“Fe catalysts for oxygen reduction in low temperature direct methanol fuel cells. Journal of Power Sources, 2006, 159, 900-904.	4.0	44
241	An NMR spectroscopic study of water and methanol transport properties in DMFC composite membranes: Influence on the electrochemical behaviour. Journal of Power Sources, 2006, 163, 52-55.	4.0	34
242	Electrocatalytic behaviour for oxygen reduction reaction of small nanostructured crystalline bimetallic Ptâ€“M supported catalysts. Journal of Applied Electrochemistry, 2006, 36, 1143-1149.	1.5	61
243	Tape casting fabrication and co-sintering of solid oxide â€œhalf cellsâ€•with a cathodeâ€“electrolyte porous interface. Solid State Ionics, 2006, 177, 2093-2097.	1.3	45
244	An NMR and SAXS investigation of DMFC composite recast Nafion membranes containing ceramic fillers. Journal of Membrane Science, 2006, 270, 221-227.	4.1	58
245	Influence of Operating Conditions on the Direct Electrochemical Oxidation of Methane on Cermet Based Anodes. Fuel Cells, 2006, 6, 137-140.	1.5	7
246	Influence of Ionomer Loading on the Performance of Pt-Ru and Pt-Fe Electrodes Used in DMFCs. ECS Transactions, 2006, 1, 283-291.	0.3	2
247	Composite Polymer Electrolyte for Direct Ethanol Fuel Cell Application.. ECS Transactions, 2006, 3, 1317-1323.	0.3	9
248	Evaluation of High Temperature Degradation of Pt/C Catalysts in PEM Fuel Cells. ECS Transactions, 2006, 3, 765-774.	0.3	11
249	Accelerated Degradation Tests for Pt/C Catalysts in Sulfuric Acid. ECS Transactions, 2006, 3, 633-641.	0.3	13
250	Stabilisation of composite LSFCOâ€“CGO based anodes for methane oxidation in solid oxide fuel cells. Journal of Power Sources, 2005, 145, 68-73.	4.0	64
251	Electrochemical analysis of high temperature methanol electro-oxidation at Pt-decorated Ru catalysts. Journal of Electroanalytical Chemistry, 2005, 576, 161-169.	1.9	25
252	Nafionâ€“TiO2 composite DMFC membranes: physico-chemical properties of the filler versus electrochemical performance. Electrochimica Acta, 2005, 50, 1241-1246.	2.6	212

#	Article	IF	Citations
253	Investigation of the electrochemical behaviour in DMFCs of chabazite and clinoptilolite-based composite membranes. Electrochimica Acta, 2005, 50, 5181-5188.	2.6	50
254	Nanostructured materials for advanced energy conversion and storage devices. Nature Materials, 2005, 4, 366-377.	13.3	8,114
255	Zeolite-based composite membranes for high temperature direct methanol fuel cells. Journal of Applied Electrochemistry, 2005, 35, 207-212.	1.5	57
256	Composite Mesoporous Titania Nafion-Based Membranes for Direct Methanol Fuel Cell Operation at High Temperature. Journal of the Electrochemical Society, 2005, 152, A1373.	1.3	71
257	International activities in DMFC R&D. , 2005, , 167-187.		0
258	Composite Inorganic Filler Based Electrolyte Membranes for Fuel Cells Applications. Materials Research Society Symposia Proceedings, 2004, 835, K7.1.1.	0.1	0
259	Intermediate Temperature Electrochemical Ceramic Oxygen Generators. Materials Research Society Symposia Proceedings, 2004, 835, K2.9.1.	0.1	0
260	Preparation and sintering of Ce1?xGdxO2?x/2 nanopowders and their electrochemical and EPR characterization. Solid State Ionics, 2004, 175, 361-366.	1.3	73
261	Performance of DMFC anodes with ultra-low Pt loading. Electrochemistry Communications, 2004, 6, 164-169.	2.3	79
262	International activities in DMFC R&D: status of technologies and potential applications. Journal of Power Sources, 2004, 127, 112-126.	4.0	635
263	Surface properties of inorganic fillers for application in composite membranes-direct methanol fuel cells. Journal of Power Sources, 2004, 128, 113-118.	4.0	53
264	FTIR spectroscopic investigation of inorganic fillers for composite DMFC membranes. Electrochemistry Communications, 2003, 5, 862-866.	2.3	93
265	Analysis of the high-temperature methanol oxidation behaviour at carbon-supported Ptâ€“Ru catalysts. Journal of Electroanalytical Chemistry, 2003, 557, 167-176.	1.9	117
266	Influence of the acidâ€“base characteristics of inorganic fillers on the high temperature performance of composite membranes in direct methanol fuel cells. Solid State Ionics, 2003, 161, 251-265.	1.3	164
267	Investigation of grafted ETFE-based polymer membranes as alternative electrolyte for direct methanol fuel cells. Journal of Power Sources, 2003, 123, 107-115.	4.0	84
268	Synthesis and sintering of Ce1-xGdxO2-x/2 nanopowders via chemical routes.. Materials Research Society Symposia Proceedings, 2002, 756, 1.	0.1	0
269	Effect of Ptî—¸Ru alloy composition on high-temperature methanol electro-oxidation. Electrochimica Acta, 2002, 47, 3723-3732.	2.6	159
270	Composite Nafion/Zirconium Phosphate Membranes for Direct Methanol Fuel Cell Operation at High Temperature. Electrochemical and Solid-State Letters, 2001, 4, A31.	2.2	268

#	Article	IF	Citations
271	Structural investigation of electrochemically synthesized ZnCuTe thin films. Journal of Solid State Electrochemistry, 2001, 6, 16-20.	1.2	3
272	Hybrid Nafionâ€“silica membranes doped with heteropolyacids for application in direct methanol fuel cells. Solid State Ionics, 2001, 145, 101-107.	1.3	276
273	An XPS study on oxidation states of Pt and its alloys with Co and Cr and its relevance to electroreduction of oxygen. Applied Surface Science, 2001, 172, 33-40.	3.1	335
274	Sulfonated polybenzimidazole membranes â€" preparation and physico-chemical characterization. Journal of Membrane Science, 2001, 188, 71-78.	4.1	202
275	A New Polymorph of the Heteronuclear Cluster Ru4Pt2(CO)18. Journal of Cluster Science, 2001, 12, 293-301.	1.7	4
276	Development and operation of a 150 W air-feed direct methanol fuel cell stack. Journal of Applied Electrochemistry, 2001, 31, 275-279.	1.5	40
277	An appraisal of electric automobile power sources. Renewable and Sustainable Energy Reviews, 2001, 5, 137-155.	8.2	74
278	Polymer-silica composite membranes for Direct Methanol Fuel Cells. Studies in Surface Science and Catalysis, 2001, , 37-45.	1.5	3
279	Investigation of unsupported Ptâ€“Ru catalysts for high temperature methanol electro-oxidation. Electrochemistry Communications, 2000, 2, 466-470.	2.3	38
280	Influence of flow field design on the performance of a direct methanol fuel cell. Journal of Power Sources, 2000, 91, 202-209.	4.0	115
281	Investigation of direct methanol fuel cells based on unsupported Ptâ€“Ru anode catalysts with different chemical properties. Electrochimica Acta, 2000, 45, 4319-4328.	2.6	125
282	CWO of phenol on two differently prepared CuOâ€“CeO2 catalysts. Applied Catalysis B: Environmental, 2000, 28, 113-125.	10.8	193
283	Investigation of a direct methanol fuel cell based on a composite NafionÂ®-silica electrolyte for high temperature operation. Solid State Ionics, 1999, 125, 431-437.	1.3	423
284	An X-ray photoelectron spectroscopic study on the effect of Ru and Sn additions to platinised carbons. Applied Surface Science, 1999, 137, 20-29.	3.1	134
285	Title is missing!. Journal of Applied Electrochemistry, 1999, 29, 673-678.	1.5	107
286	Electro-oxidation of CO on Pd black in phosphotungstic acid. Journal of Solid State Electrochemistry, 1999, 3, 205-209.	1.2	3
287	Optimization of operating parameters of a direct methanol fuel cell and physico-chemical investigation of catalystâ€“electrolyte interface. Electrochimica Acta, 1998, 43, 3719-3729.	2.6	103
288	Morphological variation of platinum catalysts in phosphotungstic acid fuel cell. Journal of Power Sources, 1998, 70, 91-101.	4.0	14

#	Article	IF	Citations
289	Preparation and characterization of thin film ZnCuTe semiconductors. Solar Energy Materials and Solar Cells, 1998, 53, 255-267.	3.0	34
290	Ageing effects of electrodes in ceramic fuel cells. Journal of the European Ceramic Society, 1998, 18, 113-122.	2.8	5
291	Characterization of direct methanol fuel cell components by electron microscopy and X-ray microchemical analysis. Materials Chemistry and Physics, 1997, 47, 257-262.	2.0	9
292	Influence of annealing temperature on the opto-electronic characteristics of znte electrodeposited semiconductors. Materials Chemistry and Physics, 1997, 51, 130-134.	2.0	23
293	Electrodeposited Thin Film ZnTe Semiconductors for Photovoltaic Applications. Materials Technology, 1997, 4, 115-125.	0.3	26
294	Analysis of the chemical cross-over in a phosphotungstic acid electrolyte based fuel cell. Electrochimica Acta, 1997, 42, 1645-1652.	2.6	41
295	High performance fuel cell based on phosphotungstic acid as proton conducting electrolyte. Electrochimica Acta, 1996, 41, 397-403.	2.6	96
296	Fractal surface characterization of chalcogenide electrodeposits. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1996, 38, 9-15.	1.7	10
297	Partial oxidation of methane in solid oxide fuel cells: an experimental evaluation. Journal of Power Sources, 1996, 62, 95-99.	4.0	20
298	Methanol electrooxidation on carbon-supported Pt-WO3?x electrodes in sulphuric acid electrolyte. Journal of Applied Electrochemistry, 1995, 25, 528-532.	1.5	92
299	Electrochemical deposition of ZnFeS thin film semiconductors on tin oxide substrates. Solar Energy Materials and Solar Cells, 1995, 37, 43-53.	3.0	20
300	Investigation of a carbon-supported quaternary Ptî—¸Ruî—¸Snî—¸W catalyst for direct methanol fuel cells. Journal of Power Sources, 1995, 55, 159-166.	4.0	136
301	Influence of annealing temperature on the crystallographic and optical properties of electrodeposited ZnFeS thin film semiconductors. Materials Chemistry and Physics, 1995, 41, 55-60.	2.0	11
302	Ionic conductivity in heteropolyacid-tin mordenite composite electrolytes. Materials Letters, 1995, 24, 399-405.	1.3	13
303	Digital simulation of galvanostatic current-potential data for gas-diffusion electrodes and estimation of electrode-kinetic parameters. Journal of Power Sources, 1994, 50, 177-186.	4.0	9
304	Methanol oxidation on carbon-supported platinum-tin electrodes in sulfuric acid. Journal of Power Sources, 1994, 50, 295-309.	4.0	83
305	Methanol oxidation on carbon-supported Ptî—¸Sn electrodes in silicotungstic acid. Electrochimica Acta, 1994, 39, 691-700.	2.6	46
306	Analysis of the surface acid-base characteristics of Pt/C catalysts for phosphoric acid fuel cells. Applied Catalysis A: General, 1994, 114, 257-272.	2.2	19

#	Article	IF	Citations
307	Effect of platinum particle size on the performance of PAFC O2 reduction electrocatalysts. International Journal of Hydrogen Energy, 1994, 19, 165-168.	3.8	6
308	Natural pyrite-based electrodes for photoelectrochemical applications. Electrochimica Acta, 1993, 38, 123-128.	2.6	4
309	Oxygen reduction kinetics in phosphotungstic acid at low temperature. Electrochimica Acta, 1993, 38, 1733-1741.	2.6	29
310	A.c.-impedance spectroscopy study of oxygen reduction at Nafionï¿½ coated gas-diffusion electrodes in sulphuric acid: Teflon loading and methanol cross-over effects. Journal of Applied Electrochemistry, 1993, 23, 1107-1116.	1.5	44
311	Electrochemical deposition of iron sulphide thin films on tin oxide substrates. Materials Chemistry and Physics, 1993, 34, 263-269.	2.0	6
312	Electrodeposition and characterization of iron sulphide thin films. Materials Letters, 1992, 13, 12-17.	1.3	12
313	ac Impedance spectroscopy of porous gas diffusion electrode in sulphuric acid. Electrochimica Acta, 1992, 37, 523-529.	2.6	31
314	Photoactive screen-printed pyrite anodes for electrochemical photovoltaic cells. Solar Cells, 1991, 31, 119-141.	0.6	44
315	Photoelectrochemical behavior of thermally activated natural pyrite-based photoelectrodes. Materials Chemistry and Physics, 1991, 28, 75-87.	2.0	17
316	Relationship between physicochemical properties and electrooxidation behaviour of carbon materials. Electrochimica Acta, 1991, 36, 1931-1935.	2.6	74
317	Analysis of platinum particle size and oxygen reduction in phosphoric acid. Electrochimica Acta, 1991, 36, 1979-1984.	2.6	126
318	A voltammetric study of the electrodeposition chemistry in the Feî—¸S system. Electrochimica Acta, 1991, 36, 581-590.	2.6	35
319	The role of Pt-loading, thermal treatment and exposure to air on the acid-base behavior of a Pt/Carbon black catalyst. Carbon, 1990, 28, 599-609.	5.4	36
320	Mixed semiconductor materials: Photoelectrochemical behavior of (TiNb)ox at the isoelectric point of the interface. International Journal of Hydrogen Energy, 1990, 15, 557-562.	3.8	2
321	Photoeffects at the polycrystalline pyrrhotite-electrolyte interface. Solar Energy Materials and Solar Cells, 1990, 20, 323-340.	0.4	16
322	The influence of functional groups on the surface acid-base characteristics of carbon blacks. Carbon, 1989, 27, 337-347.	5.4	72
323	Nanomaterials for Fuel Cell Technologies. , 0, , 79-109.		2
324	Improved Durability and Cost-Effective Components for New Generation Direct Methanol Fuel Cells - DURAMET Project. Advances in Science and Technology, 0, , .	0.2	0

#	Article	IF	Citations
325	Direct Methanol Fuel Cell Stack Design and Test in the Framework of DURAMET Project. Advances in Science and Technology, 0, , .	0.2	2
326	Composite Anode Catalysts Based on PtRu and Metal Oxide Nanoparticles for DMFCs. Advances in Science and Technology, 0, , .	0.2	1