Deborah J Jones

List of Publications by Year
in descending order

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Version: 2024-02-01

230 papers	10,034 citations	47409 49 h-index	49824 91 g-index
248 all docs	248 docs citations	248 times ranked	11816 citing authors

#	Article	IF	Citations
1	Influence of the Carbon Support on the Properties of Platinumâ€“Yttrium Nanoalloys for the Oxygen Reduction Reaction. ACS Applied Energy Materials, 2022, 5, 3319-3328.	2.5	10
2	Nitrogen Plasma Modified Carbons for PEMFC with Increased Interaction with Catalyst and Ionomer. Journal of the Electrochemical Society, 2022, 169, 044502.	1.3	4
3	Active electrospun nanofibers as an effective reinforcement for highly conducting and durable proton exchange membranes. Journal of Membrane Science, 2021, 622, 119037.	4.1	17
4	Oxygen Evolution Reaction Activity and Stability Benchmarks for Supported and Unsupported IrO_x Electrocatalysts. ACS Catalysis, 2021, 11, 4107-4116.	5.5	69
5	Correlation between the surface characteristics of carbon supports and their electrochemical stability and performanceÂin fuel cell cathodes. , 2021, 3, 654-665.		26
6	Direct coupling of a high temperature proton exchange membrane fuel cell with hydrogen produced by catalytic partial dehydrogenation of a gasoline-ethanol blend (E10). Journal of Power Sources, 2021, 498, 229921.	4.0	4
7	Rational Design of Carbon-Supported Platinumâ€“Gadolinium Nanoalloys for Oxygen Reduction Reaction. ACS Catalysis, 2021, 11, 13519-13529.	5.5	21
8	Strong Interaction between Platinum Nanoparticles and Tantalum-Doped Tin Oxide Nanofibers and Its Activation and Stabilization Effects for Oxygen Reduction Reaction. ACS Catalysis, 2020, 10, 10399-10411.	5.5	35
9	Immobilisation and Release of Radical Scavengers on Nanoclays for Chemical Reinforcement of Proton Exchange Membranes. Membranes, 2020, 10, 208.	1.4	11
10	Hydrogen Recovery from Waste Gas Streams to Feed (High-Temperature PEM) Fuel Cells: Environmental Performance under a Life-Cycle Thinking Approach. Applied Sciences (Switzerland), 2020, 10, 7461.	1.3	13
11	Establishing reactivity descriptors for platinum group metal (PGM)-free Feâ€“Nâ€“C catalysts for PEM fuel cells. Energy and Environmental Science, 2020, 13, 2480-2500.	15.6	205
12	Designing the 3D Architecture of PGM-Free Cathodes for H₂/Air Proton Exchange Membrane Fuel Cells. ACS Applied Energy Materials, 2019, 2, 7211-7222.	2.5	41
13	Porous Electrocatalysts: Hierarchically Structured Ultraporous Iridium-Based Materials: A Novel Catalyst Architecture for Proton Exchange Membrane Water Electrolyzers (Adv. Energy Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock 10	10.2	1
14	On the stability of antimony doped tin oxide supports in proton exchange membrane fuel cell and water electrolysers. Sustainable Energy and Fuels, 2019, 3, 1526-1535.	2.5	11
15	Crosslinked terpolymers of vinylidene fluoride, perfluoro-3,6-dioxa-4-methyl-7-octene sulfonyl fluoride, and cure site monomers for membranes in PEMFC applications. Polymer Chemistry, 2019, 10, 2176-2189.	1.9	4
16	Strategies to Hierarchical Porosity in Carbon Nanofiber Webs for Electrochemical Applications. Surfaces, 2019, 2, 159-176.	1.0	21
17	Preparation of Ni@Pt core@shell conformal nanofibre oxygen reduction electrocatalysts via microwave-assisted galvanic displacement. Catalysis Science and Technology, 2019, 9, 6920-6928.	2.1	8
18	Hierarchically Structured Ultraporous Iridiumâ€Based Materials: A Novel Catalyst Architecture for Proton Exchange Membrane Water Electrolyzers. Advanced Energy Materials, 2019, 9, 1802136.	10.2	72

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19	Composite short side chain PFSA membranes for PEM water electrolysis. Journal of Membrane Science, 2019, 570-571, 69-76.	4.1	61
20	Design of Heterogeneities and Interfaces with Nanofibers in Fuel Cell Membranes. , 2019, , 979-1015.		0
21	Design of Heterogeneities and Interfaces with Nanofibers in Fuel Cell Membranes. , 2018, , 1-37.		0
22	Strong metalâ€“support interaction improves activity and stability of Pt electrocatalysts on doped metal oxides. Physical Chemistry Chemical Physics, 2018, 20, 8765-8772.	1.3	70
23	Scaling Behavior of Nafion with Different Model Parameterizations in Dissipative Particle Dynamics Simulations. Macromolecular Theory and Simulations, 2018, 27, 1800003.	0.6	14
24	High-Purity Hydrogen Generation via Dehydrogenation of Organic Carriers: A Review on the Catalytic Process. ACS Catalysis, 2018, 8, 4660-4680.	5.5	172
25	Revisiting the radical copolymerization of vinylidene fluoride with perfluoro-3,6-dioxa-4-methyl-7-octene sulfonyl fluoride for proton conducting membranes. International Journal of Hydrogen Energy, 2018, 43, 16986-16997.	3.8	10
26	Cobalt hexacyanoferrate supported on Sb-doped SnO₂as a non-noble catalyst for oxygen evolution in acidic medium. Sustainable Energy and Fuels, 2018, 2, 589-597.	2.5	38
27	Migration of Ce and Mn Ions in PEMFC and Its Impact on PFSA Membrane Degradation. Journal of the Electrochemical Society, 2018, 165, F3281-F3289.	1.3	45
28	Stabilization of Iron-Based Fuel Cell Catalysts by Non-Catalytic Platinum. Journal of the Electrochemical Society, 2018, 165, F1084-F1091.	1.3	33
29	Surface-Limited Electrodeposition of Continuous Platinum Networks on Highly Ordered Pyrolytic Graphite. Nanomaterials, 2018, 8, 721.	1.9	4
30	A comparison of rotating disc electrode, floating electrode technique and membrane electrode assembly measurements for catalyst testing. Journal of Power Sources, 2018, 392, 274-284.	4.0	94
31	Morphology of Hydrated Nafion through a Quantitative Cluster Analysis: A Case Study Based on Dissipative Particle Dynamics Simulations. Journal of Physical Chemistry C, 2018, 122, 13130-13139.	1.5	27
32	Toward Platinum Group Metal-Free Catalysts for Hydrogen/Air Proton-Exchange Membrane Fuel Cells. Johnson Matthey Technology Review, 2018, 62, 231-255.	0.5	97
33	Recent developments in electrocatalyst design thrifting noble metals in fuel cells. Current Opinion in Electrochemistry, 2018, 9, 271-277.	2.5	29
34	Electrodeposition of Two-Dimensional Pt Nanostructures on Highly Oriented Pyrolytic Graphite (HOPG): The Effect of Evolved Hydrogen and Chloride Ions. Nanomaterials, 2018, 8, 668.	1.9	8
35	Mitigation of PFSA membrane chemical degradation using composite cerium oxideâ€“PFSA nanofibres. Journal of Materials Chemistry A, 2017, 5, 5390-5401.	5.2	39
36	Towards ultrathin Pt films on nanofibres by surface-limited electrodeposition for electrocatalytic applications. Journal of Materials Chemistry A, 2017, 5, 3974-3980.	5.2	30

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37	Current understanding of chemical degradation mechanisms of perfluorosulfonic acid membranes and their mitigation strategies: a review. Sustainable Energy and Fuels, 2017, 1, 409-438.	2.5	231
38	Development of tailored high-performance and durable electrocatalysts for advanced PEM fuel cells. International Journal of Hydrogen Energy, 2017, 42, 7166-7176.	3.8	11
39	Structural Descriptors of Zeolitic‐Imidazolate Frameworks Are Keys to the Activity of Fe‐N‐C Catalysts. Journal of the American Chemical Society, 2017, 139, 453-464.	6.6	173
40	Hollow Iridium-Based Catalysts for the Oxygen Evolution Reaction in Proton Exchange Membrane Water Electrolyzers. ECS Transactions, 2017, 80, 1077-1084.	0.3	3
41	Multilayer Hierarchical Nanofibrillar Electrodes with Tuneable Lacunarity with 2D like Pt Deposits for PEMFC. ECS Transactions, 2017, 80, 757-762.	0.3	3
42	Pt Nanoparticles Supported on Niobium-Doped Tin Dioxide: Impact of the Support Morphology on Pt Utilization and Electrocatalytic Activity. Electrocatalysis, 2017, 8, 51-58.	1.5	22
43	Nickel Based Electrospun Materials with Tuned Morphology and Composition. Nanomaterials, 2016, 6, 236.	1.9	16
44	1,2,3-Triazole-Functionalized Polysulfone Synthesis through Microwave-Assisted Copper-Catalyzed Click Chemistry: A Highly Proton Conducting High Temperature Membrane. ACS Applied Materials & Interfaces, 2016, 8, 16897-16906.	4.0	49
45	Electrospun nanofibre composite polymer electrolyte fuel cell and electrolysis membranes. Nano Energy, 2016, 26, 729-745.	8.2	128
46	Synthesis of Pt/C Fuel Cell Electrocatalysts: Residual Content of Chloride and Activity in Oxygen Reduction. Electrocatalysis, 2016, 7, 269-275.	1.5	10
47	Hydrogen generation via catalytic partial dehydrogenation of gasoline and diesel fuels. Applied Catalysis B: Environmental, 2016, 185, 233-241.	10.8	17
48	ALD SnO‹sub›2‹/sub› protective decoration enhances the durability of a Pt based electrocatalyst. Journal of Materials Chemistry A, 2016, 4, 969-975.	5.2	39
49	Low-Cost Nanostructured Iron Sulfide Electrocatalysts for PEM Water Electrolysis. ACS Catalysis, 2016, 6, 2626-2631.	5.5	105
50	Highly Stable PEMFC Electrodes Based on Electrospun Antimony‐Doped SnO‹sub›2‹/sub›. ChemElectroChem, 2015, 2, 1966-1973.	1.7	34
51	Synergy between molybdenum nitride and gold leading to platinum-like activity for hydrogen evolution. Physical Chemistry Chemical Physics, 2015, 17, 4047-4053.	1.3	38
52	Negligible degradation upon in situ voltage cycling of a PEMFC using an electrospun niobium-doped tin oxide supported Pt cathode. Physical Chemistry Chemical Physics, 2015, 17, 16970-16976.	1.3	37
53	Development of a novel experimental DEMS set-up for electrocatalyst characterization under working conditions of high temperature polymer electrolyte fuel cells. Journal of Electroanalytical Chemistry, 2015, 747, 97-103.	1.9	18
54	Hydrogen generation by catalytic partial dehydrogenation of low-sulfur fractions produced from kerosene Jet A-1. Applied Catalysis B: Environmental, 2015, 176-177, 480-485.	10.8	5

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55	Electrospun Ni nanofibres as Pt supports for PEMFC electrodes. ECS Transactions, 2015, 69, 1237-1242.	0.3	4
56	Corrosion Resistant Electrospun Niobium Carbide Nanotube Supports for PEMFC Cathodes. ECS Transactions, 2015, 69, 1221-1226.	0.3	3
57	New semi-IPN PEMFC membranes composed of crosslinked fluorinated copolymer bearing triazole groups and sPEEK for operation at low relative humidity. International Journal of Hydrogen Energy, 2015, 40, 16797-16813.	3.8	16
58	Electrospun Nanofibers for Low-Temperature Proton Exchange Membrane Fuel Cells. , 2015, , 29-60.		2
59	Proton exchange membrane water electrolysis with short-side-chain AquivionÂ® membrane and IrO2 anode catalyst. International Journal of Hydrogen Energy, 2014, 39, 6307-6316.	3.8	80
60	Effect of Furfuryl Alcohol on Metal Organic Framework-based Fe/N/C Electrocatalysts for Polymer Electrolyte Membrane Fuel Cells. Electrochimica Acta, 2014, 119, 192-205.	2.6	72
61	Reactive coaxial electrospinning of ZrP/ZrO2 nanofibres. Journal of Materials Chemistry A, 2014, 2, 13359-13365.	5.2	16
62	Study of the effect of addition of In to Pt-Sn/Î³-Al2O3 catalysts for high purity hydrogen production via partial dehydrogenation of kerosene jet A-1. Applied Catalysis B: Environmental, 2014, 160-161, 574-581.	10.8	18
63	Promising Aquivion Composite Membranes based on Fluoroalkyl Zirconium Phosphate for Fuel Cell Applications. ChemSusChem, 2014, 7, 2176-2184.	3.6	20
64	Anhydrous proton motion study by solid state NMR spectroscopy in novel PEMFC blend membranes composed of fluorinated copolymer bearing 1,2,4-triazole functional groups and sPEEK. RSC Advances, 2014, 4, 28769-28779.	1.7	7
65	On the effect of non-carbon nanostructured supports on the stability of Pt nanoparticles during voltage cycling: A study of TiO2 nanofibres. Journal of Power Sources, 2014, 257, 147-155.	4.0	61
66	High purity hydrogen from catalytic partial dehydrogenation of kerosene using saccharide-templated mesoporous alumina supported Ptâ€“Sn. Catalysis Today, 2013, 210, 26-32.	2.2	14
67	Effect of the nature of the support on the activity of Pt-Sn based catalysts for hydrogen production by dehydrogenation of Ultra Low Sulfur Kerosene Jet A-1. Applied Catalysis B: Environmental, 2013, 142-143, 112-118.	10.8	8
68	Dopant-Driven Nanostructured Loose-Tube SnO₂ Architectures: Alternative Electrocatalyst Supports for Proton Exchange Membrane Fuel Cells. Journal of Physical Chemistry C, 2013, 117, 18298-18307.	1.5	56
69	Iron-containing SBA-15 as catalyst for partial oxidation of hydrogen sulfide. Catalysis Today, 2013, 210, 117-123.	2.2	38
70	Nb-Doped TiO₂ Nanofibers for Lithium Ion Batteries. Journal of Physical Chemistry C, 2013, 117, 13827-13835.	1.5	131
71	A new fabrication method of an intermediate temperature proton exchange membrane by the electrospinning of CsH2PO4. Journal of Materials Chemistry A, 2013, 1, 10875.	5.2	20
72	Lifetime Prediction Approach Applied to the Aquivionâ„¢ Short Side Chain Perfluorosulfonic Acid Ionomer Membrane for Intermediate Temperature Proton Exchange Membrane Fuel Cell Application. Fuel Cells, 2013, 13, 1146-1154.	1.5	13

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73	Physical and chemical modification routes leading to improved mechanical properties of perfluorosulfonic acid membranes for PEM fuel cells. Journal of Power Sources, 2013, 233, 216-230.	4.0	148
74	Optimized Synthesis of Fe/N/C Cathode Catalysts for PEM Fuel Cells: A Matter of Ironâ€“Ligand Coordination Strength. Angewandte Chemie - International Edition, 2013, 52, 6867-6870.	7.2	195
75	Novel Blend Membranes of Partially Fluorinated Copolymers Bearing Azole Functions with Sulfonated PEEK for PEMFC Operating at Low Relative Humidity: Influence of the Nature of the N-Heterocycle. Macromolecules, 2013, 46, 3046-3057.	2.2	52
76	Effect of sideâ€chain length on the electrospinning of perfluorosulfonic acid ionomers. Journal of Polymer Science Part A, 2013, 51, 118-128.	2.5	30
77	Introduction to Hydrogen and Fuel Cell Technologies and Their Contribution to a Sustainable Energy Future. Issues in Agroecology, 2013, , 161-178.	0.1	2
78	Mesoporous Nanostructured Nb-Doped Titanium Dioxide Microsphere Catalyst Supports for PEM Fuel Cell Electrodes. ACS Applied Materials & Interfaces, 2012, 4, 1752-1759.	4.0	72
79	Synthesis and characterization of Nb-TiO2 mesoporous microsphere and nanofiber supported Pt catalysts for high temperature PEM fuel cells. Electrochimica Acta, 2012, 77, 1-7.	2.6	47
80	Application of a composite structure of carbon nanoparticles and Nbâ€“TiO2 nanofibers as electrocatalyst support for PEM fuel cells. Journal of Power Sources, 2012, 210, 15-20.	4.0	27
81	Single step elaboration of size-tuned Pt loaded titania nanofibres. Chemical Communications, 2011, 47, 6834.	2.2	34
82	Electrospinning: designed architectures for energy conversion and storage devices. Energy and Environmental Science, 2011, 4, 4761.	15.6	654
83	Hollow microspheres with a tungsten carbide kernel for PEMFC application. Chemical Communications, 2011, 47, 7950.	2.2	29
84	On Electrospinning of PFSA: A Comparison between Long and Short-Side Chain Ionomers. ECS Transactions, 2011, 41, 1517-1520.	0.3	11
85	Engineering of porosity, microstructure and electrical properties of Niâ€“BaCe0.9Y0.1O2.95 cermet fuel cell electrodes by gelled starch porogen processing. Microporous and Mesoporous Materials, 2011, 145, 26-31.	2.2	18
86	Do not forget the electrochemical characteristics of the membrane electrode assembly when designing a Proton Exchange Membrane Fuel Cell stack. Electrochimica Acta, 2011, 56, 10406-10423.	2.6	21
87	Synthesis and characterisation of novel fluorinated polymers bearing pendant imidazole groups and blend membranes: New materials for PEMFC operating at low relative humidity. Journal of Membrane Science, 2011, 367, 127-133.	4.1	29
88	Synthesis of novel protonâ€conducting highly sulfonated polybenzimidazoles for PEMFC and the effect of the type of bisphenyl bridge on polymer and membrane properties. Journal of Polymer Science Part A, 2011, 49, 2107-2117.	2.5	40
89	Ptâ€“Sn/Î³-Al2O3 and Ptâ€“Snâ€“Na/Î³-Al2O3 catalysts for hydrogen production by dehydrogenation of Jet A-1 fuel: Characterisation and preliminary activity tests. International Journal of Hydrogen Energy, 2011, 36, 5972-5982.	3.8	24
90	Chemically Stable Electrolytes and Advanced Electrode Architectures for Efficient Proton Ceramic Fuel Cells. ECS Transactions, 2011, 35, 805-811.	0.3	3

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91	High Surface Area Tungsten Carbide with Novel Architecture and High Electrochemical Stability. ECS Transactions, 2011, 41, 1207-1213.	0.3	9
92	Intermediate Temperature Anodeâ€Supported Fuel Cell Based on BaCe_{0.9}Y_{0.1}O₃ Electrolyte with Novel Pr₂NiO₄ Cathode. Fuel Cells, 2010, 10, 166-173.	1.5	17
93	Longâ€Term Testing in Dynamic Mode of HTâ€PEMFC H₃PO₄/PBI Celtecâ€P Based Membrane Electrode Assemblies for Microâ€CHP Applications. Fuel Cells, 2010, 10, 299-311.	1.5	68
94	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
95	Novel sulfonated poly(arylene ether benzimidazole) Cardo proton conducting membranes for PEMFC. Journal of Membrane Science, 2010, 362, 184-191.	4.1	34
96	Improved stability of mesoporous carbon fuel cell catalyst support through incorporation of TiO2. Electrochimica Acta, 2010, 55, 8365-8370.	2.6	46
97	Synthesis and properties of new fluorinated polymers bearing pendant imidazole groups for fuel cell membranes operating over a broad relative humidity range. Journal of Polymer Science Part A, 2010, 48, 223-231.	2.5	26
98	Preparation of Nanoparticle Coreâ"Shell Electrolyte Materials for Proton Ceramic Fuel Cells. Chemistry of Materials, 2010, 22, 1119-1125.	3.2	24
99	Influence of Sulfonating Agent on Degree of Functionalisation and Properties of Sulfonated Ether-linked Polybenzimidazole. ECS Transactions, 2009, 25, 929-934.	0.3	2
100	Development of Covalently Cross-linked and Composite Perfluorosulfonic Acid Membranes. ECS Transactions, 2009, 25, 1469-1472.	0.3	16
101	Innovative Membranes for PEMFC with Mixed Sulfonic and Phosphonic Acid Functionality. ECS Transactions, 2009, 25, 1677-1681.	0.3	2
102	Functionalized Polybenzimidazoles for PEMFC. ECS Transactions, 2009, 16, 1415-1421.	0.3	4
103	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
104	Benefit of Microscopic Diffusion Measurement for the Characterization of Nanoporous Materials. Chemical Engineering and Technology, 2009, 32, 1494-1511.	0.9	28
105	New synthesis of nanopowders of proton conducting materials. A route to densified proton ceramics. Journal of Solid State Chemistry, 2009, 182, 790-798.	1.4	47
106	Study of the diffusion of liquids and their binary mixtures in mesoporous aluminosilicates under freezing conditions. Microporous and Mesoporous Materials, 2009, 120, 104-108.	2.2	3
107	Solution sulfonation of a novel polybenzimidazole. Journal of Membrane Science, 2008, 314, 247-256.	4.1	121
108	The effect of dissolution, migration and precipitation of platinum in NafionÂ®-based membrane electrode assemblies during fuel cell operation at high potential. Journal of Power Sources, 2008, 185, 1209-1217.	4.0	79

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109	Novel mesoporous aluminosilicate supported palladium-rhodium catalysts for diesel upgrading. Applied Catalysis A: General, 2008, 340, 257-264.	2.2	19
110	Synthesis and characterization of Ni-cermet/proton conducting thin film electrolyte symmetrical assemblies. Solid State Ionics, 2008, 179, 2155-2159.	1.3	35
111	Novel mesoporous aluminosilicate supported palladium-rhodium catalysts for diesel upgrading. Applied Catalysis A: General, 2008, 340, 250-256.	2.2	5
112	Effect of synthesis conditions on the pore structure and degree of heteroatom insertion in Zr-doped SBA-15 silica-based materials prepared by classical or microwave-assisted hydrothermal treatment. Microporous and Mesoporous Materials, 2008, 110, 111-118.	2.2	26
113	Copper-containing monodisperse mesoporous silica nanospheres by a smart one-step approach. Chemical Communications, 2008, , 3118.	2.2	28
114	Advances in the Development of Inorganicâ€“Organic Membranes for Fuel Cell Applications. , 2008, , 219-264.		20
115	Migration of Platinum Under Open Cell Voltage: Effect of the Type of Ionomer Membrane. ECS Transactions, 2007, 11, 1313-1319.	0.3	9
116	Development of Proton Conducting Thin Films from Nanoparticulate Precursors. ECS Transactions, 2007, 7, 2291-2298.	0.3	8
117	Intracrystalline Diffusivities and Surface Permeabilities Deduced from Transient Concentration Profiles:Â Methanol in MOF Manganese Formate. Journal of the American Chemical Society, 2007, 129, 8041-8047.	6.6	71
118	Oriented Crystallisation on Supports and Anisotropic Mass Transport of the Metal-Organic Framework Manganese Formate. European Journal of Inorganic Chemistry, 2007, 2007, 60-64.	1.0	142
119	Editorial: Fuel Cells 6/2007. Fuel Cells, 2007, 7, 439-439.	1.5	0
120	Direct synthesis of large mesopore aluminosilicates templated by lyotropic liquid crystals. Microporous and Mesoporous Materials, 2007, 99, 47-55.	2.2	5
121	Probing the Local Structure and the Role of Protons in Lithium Sorption Processes of a New Lithium-Rich Manganese Oxide. Chemistry of Materials, 2006, 18, 1885-1890.	3.2	28
122	Local structure and lithium-proton ion exchange in Li1.33â^'x/3CoxMn1.67â^'2x/3O4 spinels. Solid State Ionics, 2005, 176, 813-821.	1.3	13
123	Selectivity of gas phase adsorption of propene and propane onto mesoporous silica materials derivatised with Ag(I) and Cu(II) at low surface coverages: comparison between equilibrium adsorption and flow microcalorimetry studies. Thermochimica Acta, 2005, 434, 15-21.	1.2	4
124	Chemical Modification of Perfluorosulfo-nated Membranes with Pyrrole for Fuel Cell Application: Preparation, Characteri-sation and Methanol Transport. Fuel Cells, 2005, 5, 398-405.	1.5	34
125	Multilayer Sulfonated Polyaromatic PEMFC Membranes. Fuel Cells, 2005, 5, 412-418.	1.5	22
126	High-temperature DMFC stack operating with non-fluorinated membranes. Fuel Cells Bulletin, 2005, 2005, 12-15.	0.7	8

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127	Evolution of the local structure in GaN:O thin films grown by ion-assisted deposition with film thickness. Surface and Interface Analysis, 2005, 37, 273-280.	0.8	3
128	Control of water profile and development of dimensionally stable sulfonated polyaromatic PEMFC membranes. Fuel Cells Bulletin, 2005, 2005, 12-14.	0.7	14
129	Stabilization of amorphous GaN by oxygen. Journal of Applied Physics, 2005, 98, 063514.	1.1	23
130	Copper- and Silver-Containing Monolithic Silica-Supported Preparations for Selective Propeneâ˜Propane Adsorption from the Gas Phase. Chemistry of Materials, 2005, 17, 6117-6127.	3.2	17
131	Role of the Organic Feed and the Support Acidity in Hydrotreating Reactions on Pdâ€“Pt on MCM-41 Catalysts. Catalysis Letters, 2004, 96, 157-164.	1.4	8
132	Activity of Rh-containing catalysts in naphthalene hydrogenation under pressure. Reaction Kinetics and Catalysis Letters, 2004, 83, 11-17.	0.6	1
133	Manganese oxide nanocomposites: preparation and some electrochemical properties. Journal of Physics and Chemistry of Solids, 2004, 65, 235-239.	1.9	40
134	Muon spectroscopy for studying magnetism and protons and lithium dynamics in spinel manganese oxides. Journal of Physics and Chemistry of Solids, 2004, 65, 597-602.	1.9	4
135	Hydrogenation and ring opening of tetralin on noble metal supported on zirconium doped mesoporous silica catalysts. Applied Catalysis A: General, 2004, 260, 9-18.	2.2	52
136	Birnessite-type manganese oxideâ€“alkylamine mesophases obtained by intercalation and their thermal behaviour. Journal of Materials Chemistry, 2004, 14, 121-126.	6.7	25
137	Porous Silica Materials Derivatized with Cu and Ag Cations for Selective Propeneâ˜Propane Adsorption from the Gas Phase:â€‰ Aluminosilicate Ion-Exchanged Monoliths. Chemistry of Materials, 2004, 16, 3911-3918.	3.2	22
138	Cetane improvement of diesel with a novel bimetallic catalyst. Journal of Catalysis, 2004, 228, 447-459.	3.1	48
139	Adsorption of a cationic gemini surfactant from aqueous solution onto aluminosilicate powders of the MCM-41 type: effect of pore size and co-adsorption of phenol. Journal of Colloid and Interface Science, 2003, 262, 362-371.	5.0	20
140	Novel supported Rh, Pt, Ir and Ru mesoporous aluminosilicates as catalysts for the hydrogenation of naphthalene. Applied Catalysis A: General, 2003, 251, 131-141.	2.2	78
141	Muon Spin Relaxation Study of Spinel Lithium Manganese Oxides. Journal of Physical Chemistry B, 2003, 107, 6003-6011.	1.2	23
142	Non-Fluorinated Polymer Materials for Proton Exchange Membrane Fuel Cells. Annual Review of Materials Research, 2003, 33, 503-555.	4.3	746
143	Potential model for tetrathiafulvalene based on inelastic neutron scattering and Raman spectra. Journal of Chemical Physics, 2003, 119, 4929-4933.	1.2	3
144	Synthesis of Periodic Large Mesoporous Organosilicas and Functionalization by Incorporation of Ligands into the Framework Wall. Chemistry of Materials, 2002, 14, 4886-4894.	3.2	110

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145	An Inverse Gas Chromatography Study of the Adsorption of Organics on Nickel- and Copper-Hexacyanoferrates at Zero Surface Coverage. Journal of Colloid and Interface Science, 2002, 251, 10-17.	5.0	5
146	Vapour phase hydrogenation of naphthalene on a novel Ni-containing mesoporous aluminosilicate catalyst. Applied Catalysis A: General, 2002, 231, 263-268.	2.2	18
147	Role of post-sulfonation thermal treatment in conducting and thermal properties of sulfuric acid sulfonated poly(benzimidazole) membranes. Desalination, 2002, 147, 183-189.	4.0	86
148	Effect of surfactant type, substitution by aluminium and additives on direct liquid crystal templated monolithic silica. Journal of Materials Chemistry, 2001, 11, 3264-3275.	6.7	39
149	Periodic large mesoporous organosilicas from lyotropic liquid crystal polymer templatesElectronic supplementary information (ESI) available: TEM image, MAS NMR and FT-IR spectra, and BJH pore size distribution for PMO materials. See http://www.rsc.org/suppdata/cc/b1/b106938c/. Chemical Communications, 2001, , 2568-2569.	2.2	98
150	Recent advances in the functionalisation of polybenzimidazole and polyetherketone for fuel cell applications. Journal of Membrane Science, 2001, 185, 41-58.	4.1	540
151	Characterisation of calcined silica-pillared zirconium phosphate: a Cu2+ e.p.r. study. Microporous and Mesoporous Materials, 2001, 47, 231-241.	2.2	4
152	Evaluation of Surface Enthalpy of Porous Aluminosilicates of the MCM-41 Type Using Immersional Calorimetry: Effect of the Pore Size and Framework Si:Al Ratio. Journal of Colloid and Interface Science, 2001, 233, 219-226.	5.0	24
153	On the doping of sulfonated polybenzimidazole with strong bases. Solid State Ionics, 2001, 145, 61-68.	1.3	59
154	Adsorption of [60]Fullerene from Toluene Solutions on MCM-41 Silica:Â A Flow Microcalorimetric Study. Langmuir, 2000, 16, 9488-9492.	1.6	18
155	High surface area mesoporous titanium phosphate: synthesis and surface acidity determination. Journal of Materials Chemistry, 2000, 10, 1957-1963.	6.7	102
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