

Jens Oluf Jensen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3557879/publications.pdf>

Version: 2024-02-01

132
papers

11,111
citations

47409

49
h-index

33145

104
g-index

139
all docs

139
docs citations

139
times ranked

9693
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Random Occupation of Multimetal Sites in Transition Metalâ€Organic Frameworks for Boosting the Oxygen Evolution Reaction. Chemistry - A European Journal, 2022, , . | 1.7 | 7 |
| 2 | Selfâ€Standing Nanofiber Electrodes with Ptâ€Co Derived from Electrospun Zeolitic Imidazolate Framework for High Temperature PEM Fuel Cells. Advanced Functional Materials, 2021, 31, 2006771. | 7.8 | 27 |
| 3 | Mechanistic Insights into the Synthesis of Platinumâ€Rare Earth Metal Nanoalloys by a Solid-State Chemical Route. Chemistry of Materials, 2021, 33, 535-546. | 3.2 | 22 |
| 4 | Evaluation of Diaphragms and Membranes as Separators for Alkaline Water Electrolysis. Journal of the Electrochemical Society, 2021, 168, 014510. | 1.3 | 54 |
| 5 | Nanofiber Electrodes: Selfâ€Standing Nanofiber Electrodes with Ptâ€Co Derived from Electrospun Zeolitic Imidazolate Framework for High Temperature PEM Fuel Cells (Adv. Funct. Mater. 7/2021). Advanced Functional Materials, 2021, 31, 2170047. | 7.8 | 0 |
| 6 | Revealing the genuine stability of the reference Pt/C electrocatalyst toward the ORR. Electrochimica Acta, 2021, 391, 138963. | 2.6 | 9 |
| 7 | Synthesis of Ptâ€Rare Earth Metal Nanoalloys. Journal of the American Chemical Society, 2020, 142, 953-961. | 6.6 | 74 |
| 8 | Three-layered electrolyte membranes with acidâ€reservoir for prolonged lifetime of high-temperature polymer electrolyte membrane fuel cells. International Journal of Hydrogen Energy, 2020, 45, 1008-1017. | 3.8 | 17 |
| 9 | Polysulfone-polyvinylpyrrolidone blend membranes as electrolytes in alkaline water electrolysis. Journal of Membrane Science, 2020, 598, 117674. | 4.1 | 44 |
| 10 | Polybenzimidazole-Based High-Temperature Polymer Electrolyte Membrane Fuel Cells: New Insights and Recent Progress. Electrochemical Energy Reviews, 2020, 3, 793-845. | 13.1 | 92 |
| 11 | Phosphoric Acid Dynamics in High Temperature Polymer Electrolyte Membranes. Journal of the Electrochemical Society, 2020, 167, 134507. | 1.3 | 13 |
| 12 | Non-Pt Nanofibrous Catalysts for an ORR PEM Fuel Cell Cathode. ECS Meeting Abstracts, 2020, MA2020-01, 1659-1659. | 0.0 | 0 |
| 13 | (Invited) Advanced Alkaline Electrolysis Cells for the Production of Sustainable Fuels and Chemicals. ECS Meeting Abstracts, 2020, MA2020-01, 1482-1482. | 0.0 | 0 |
| 14 | High-Temperature Polymer Electrolyte Membrane Fuel Cells. Nanostructure Science and Technology, 2019, , 45-79. | 0.1 | 3 |
| 15 | Corrosion Behavior and Conductivity of TiNb and TiNbN Coated Steel for Metallic Bipolar Plates. Applied Sciences (Switzerland), 2019, 9, 2568. | 1.3 | 18 |
| 16 | Ion-solvating membranes as a new approach towards high rate alkaline electrolyzers. Energy and Environmental Science, 2019, 12, 3313-3318. | 15.6 | 150 |
| 17 | Feasibility of ultra-low Pt loading electrodes for high temperature proton exchange membrane fuel cells based in phosphoric acid-doped membrane. International Journal of Hydrogen Energy, 2019, 44, 28273-28282. | 3.8 | 29 |
| 18 | Durability and degradation of vapor-fed direct dimethyl ether high temperature polymer electrolyte membrane fuel cells. Journal of Power Sources, 2019, 432, 30-37. | 4.0 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Influence of oxygen on the cathode in HT-PEM fuel cells. International Journal of Hydrogen Energy, 2019, 44, 20379-20388. | 3.8 | 6 |
| 20 | Synthesis of Pt-Rare Earth Metal Alloy Nanocatalysts. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 21 | Preparation of Various Platinum Rare Earth Metal Alloy Nanoparticles and Their ORR Performance. ECS Meeting Abstracts, 2019, , . | 0.0 | 0 |
| 22 | Acid Distribution and Durability of HT-PEM Fuel Cells with Different Electrode Supports. Fuel Cells, 2018, 18, 103-112. | 1.5 | 32 |
| 23 | Long-Term Durability of PBI-Based HT-PEM Fuel Cells: Effect of Operating Parameters. Journal of the Electrochemical Society, 2018, 165, F3053-F3062. | 1.3 | 56 |
| 24 | Immunity of the Fe-N-C catalysts to electrolyte adsorption: Phosphate but not perchloric anions. Applied Catalysis B: Environmental, 2018, 234, 357-364. | 10.8 | 49 |
| 25 | Catalyst Degradation Under Potential Cycling as an Accelerated Stress Test for PBI-Based High-Temperature PEM Fuel Cells—Effect of Humidification. Electrocatalysis, 2018, 9, 302-313. | 1.5 | 20 |
| 26 | ⁵⁷ Fe-Mössbauer spectroscopy and electrochemical activities of graphitic layer encapsulated iron electrocatalysts for the oxygen reduction reaction. Applied Catalysis B: Environmental, 2018, 221, 406-412. | 10.8 | 61 |
| 27 | Catalyst evaluation for oxygen reduction reaction in concentrated phosphoric acid at elevated temperatures. Journal of Power Sources, 2018, 375, 77-81. | 4.0 | 31 |
| 28 | Electrochemical probing into the active sites of graphitic-layer encapsulated iron oxygen reduction reaction electrocatalysts. Science Bulletin, 2018, 63, 24-30. | 4.3 | 18 |
| 29 | Determination of Anion Transference Number and Phosphoric Acid Diffusion Coefficient in High Temperature Polymer Electrolyte Membranes. Journal of the Electrochemical Society, 2018, 165, F863-F869. | 1.3 | 29 |
| 30 | Alkaline Electrolysis with an Ion-Solvating Membrane. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 31 | Durability and Degradation of Direct Dimethyl Ether High Temperature Polymer Electrolyte Membrane Fuel Cells. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 32 | (Invited) How Can We Maintain the Excellent Performance of the PEM Electrolyzer without the Use of Platinum Group Metals?. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 33 | Preparation of Pt ₃ y Nanoparticles Supported on Carbon. ECS Meeting Abstracts, 2018, , . | 0.0 | 0 |
| 34 | Towards a stable ion-solvating polymer electrolyte for advanced alkaline water electrolysis. Journal of Materials Chemistry A, 2017, 5, 5055-5066. | 5.2 | 63 |
| 35 | Influence of carbon monoxide on the cathode in high-temperature polymer electrolyte membrane fuel cells. International Journal of Hydrogen Energy, 2017, 42, 3309-3315. | 3.8 | 12 |
| 36 | Long-term durability of HT-PEM fuel cells based on thermally cross-linked polybenzimidazole. Journal of Power Sources, 2017, 342, 570-578. | 4.0 | 83 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Coarsening of carbon black supported Pt nanoparticles in hydrogen. <i>Nanotechnology</i> , 2017, 28, 475710. | 1.3 | 8 |
| 38 | Molecular dynamics simulation of radiation grafted FEP films as proton exchange membranes: Effects of the side chain length. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 29977-29987. | 3.8 | 14 |
| 39 | Probing phosphoric acid redistribution and anion migration in polybenzimidazole membranes. <i>Electrochemistry Communications</i> , 2017, 82, 21-24. | 2.3 | 33 |
| 40 | Encapsulated iron-based oxygen reduction electrocatalysts by high pressure pyrolysis. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 22887-22896. | 3.8 | 8 |
| 41 | Gel Electrolytes of Covalent Network Polybenzimidazole and Phosphoric Acid by Direct Casting. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700347. | 1.7 | 10 |
| 42 | In Situ TEM Study of the Coarsening of Carbon Black Supported Pt Nanoparticles in Hydrogen. <i>ECS Meeting Abstracts</i> , 2017, , . | 0.0 | 0 |
| 43 | Performance Improvements in High-Temperature PEM Fuel Cells. <i>ECS Meeting Abstracts</i> , 2017, , . | 0.0 | 0 |
| 44 | Amino-Functional Polybenzimidazole Blends with Enhanced Phosphoric Acid Mediated Proton Conductivity as Fuel Cell Electrolytes. <i>Macromolecular Chemistry and Physics</i> , 2016, 217, 1161-1168. | 1.1 | 14 |
| 45 | Graphene layer encapsulated metal nanoparticles as a new type of non-precious metal catalysts for oxygen reduction. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2016, 11, 382-385. | 0.8 | 11 |
| 46 | Zero-Gap Alkaline Water Electrolysis Using Ion-Solvating Polymer Electrolyte Membranes at Reduced KOH Concentrations. <i>Journal of the Electrochemical Society</i> , 2016, 163, F3125-F3131. | 1.3 | 97 |
| 47 | Platinum Iron Intermetallic Nanoparticles Supported on Carbon Formed In-Situ by High-Pressure Pyrolysis for Efficient Oxygen Reduction. <i>ChemCatChem</i> , 2016, 8, 3131-3136. | 1.8 | 4 |
| 48 | Corrosion behavior of construction materials for ionic liquid hydrogen compressor. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 16688-16695. | 3.8 | 31 |
| 49 | Understanding ternary poly(potassium benzimidazolide)-based polymer electrolytes. <i>Polymer</i> , 2016, 84, 304-310. | 1.8 | 39 |
| 50 | Exceptional durability enhancement of PA/PBI based polymer electrolyte membrane fuel cells for high temperature operation at 200 °C. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4019-4024. | 5.2 | 93 |
| 51 | Durability Issues and Status of PBI-Based Fuel Cells. , 2016, , 487-509. | | 14 |
| 52 | Acid-Base Chemistry and Proton Conductivity. , 2016, , 37-57. | | 4 |
| 53 | Polybenzimidazole Membranes by Post Acid Doping. , 2016, , 195-215. | | 6 |
| 54 | Optimization of Catalyst Layer Properties for High Temperature Polymer Fuel Cells. <i>ECS Meeting Abstracts</i> , 2016, , . | 0.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Hydrogen Sulfide Tolerance in High Temperature Pemfcs. ECS Meeting Abstracts, 2016, , . | 0.0 | 1 |
| 56 | Probing the Active Site Structures of Iron-Based ORR Catalysts. ECS Meeting Abstracts, 2016, , . | 0.0 | 0 |
| 57 | Systematic Study of Durability of High Temperature PEM Fuel Cells at Selected Temperatures, Flow Rates and Loads. ECS Meeting Abstracts, 2016, , . | 0.0 | 0 |
| 58 | Lowering the platinum loading of high temperature polymer electrolyte membrane fuel cells with acid doped polybenzimidazole membranes. Journal of Power Sources, 2015, 293, 51-56. | 4.0 | 32 |
| 59 | Methyl phosphate formation as a major degradation mode of direct methanol fuel cells with phosphoric acid based electrolytes. Journal of Power Sources, 2015, 279, 517-521. | 4.0 | 18 |
| 60 | Transition metal carbides (WC, Mo ₂ C, TaC, NbC) as potential electrocatalysts for the hydrogen evolution reaction (HER) at medium temperatures. International Journal of Hydrogen Energy, 2015, 40, 2905-2911. | 3.8 | 177 |
| 61 | Tetrazole substituted polymers for high temperature polymer electrolyte fuel cells. Journal of Materials Chemistry A, 2015, 3, 14389-14400. | 5.2 | 28 |
| 62 | Porous poly(perfluorosulfonic acid) membranes for alkaline water electrolysis. Journal of Membrane Science, 2015, 493, 589-598. | 4.1 | 48 |
| 63 | CsH ₂ PO ₄ /NdPO ₄ Composites as Proton Conducting Electrolytes for Intermediate Temperature Fuel Cells. Journal of the Electrochemical Society, 2015, 162, F436-F441. | 1.3 | 25 |
| 64 | Pt-Si Bifunctional Surfaces for CO and Methanol Electro-Oxidation. Journal of Physical Chemistry C, 2015, 119, 8023-8031. | 1.5 | 21 |
| 65 | The stability of poly(2,2'-(m-phenylene)-5,5'-bibenzimidazole) membranes in aqueous potassium hydroxide. Journal of Membrane Science, 2015, 492, 422-429. | 4.1 | 40 |
| 66 | Fe ₃ C-based oxygen reduction catalysts: synthesis, hollow spherical structures and applications in fuel cells. Journal of Materials Chemistry A, 2015, 3, 1752-1760. | 5.2 | 116 |
| 67 | (Invited) A Stability Study of Alkali Doped PBI Membranes for Alkaline Electrolyzer Cells. ECS Transactions, 2014, 64, 1175-1184. | 0.3 | 21 |
| 68 | Polymers for Fuel Cells. , 2014, , 1-13. | | 1 |
| 69 | The Electrochemical Behavior of Phosphoric Acid-Doped Poly(perfluorosulfonic Acid) Membranes. ChemElectroChem, 2014, 1, 1471-1475. | 1.7 | 15 |
| 70 | Phosphate-Doped Carbon Black as Pt Catalyst Support: Co-catalytic Functionality for Dimethyl Ether and Methanol Electro-oxidation. ChemElectroChem, 2014, 1, 448-454. | 1.7 | 18 |
| 71 | Highly active and stable Pt electrocatalysts promoted by antimony-doped SnO ₂ supports for oxygen reduction reactions. Applied Catalysis B: Environmental, 2014, 144, 112-120. | 10.8 | 85 |
| 72 | meta-PBI/methylated PBI-OO blend membranes for acid doped HT PEMFC. European Polymer Journal, 2014, 58, 135-143. | 2.6 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | High Molecular Weight Polybenzimidazole Membranes for High Temperature PEMFC. Fuel Cells, 2014, 14, 7-15. | 1.5 | 135 |
| 74 | Binderless electrodes for high-temperature polymer electrolyte membrane fuel cells. Journal of Power Sources, 2014, 272, 559-566. | 4.0 | 36 |
| 75 | Bed geometries, fueling strategies and optimization of heat exchanger designs in metal hydride storage systems for automotive applications: A review. International Journal of Hydrogen Energy, 2014, 39, 17054-17074. | 3.8 | 55 |
| 76 | Oxygen evolution catalysts on supports with a 3-D ordered array structure and intrinsic proton conductivity for proton exchange membrane steam electrolysis. Energy and Environmental Science, 2014, 7, 820. | 15.6 | 79 |
| 77 | Direct Synthesis of Fe ₃ C-Functionalized Graphene by High Temperature Autoclave Pyrolysis for Oxygen Reduction. ChemSusChem, 2014, 7, 2099-2103. | 3.6 | 43 |
| 78 | Hollow Spheres of Iron Carbide Nanoparticles Encased in Graphitic Layers as Oxygen Reduction Catalysts. Angewandte Chemie - International Edition, 2014, 53, 3675-3679. | 7.2 | 783 |
| 79 | Hydrogen evolution activity and electrochemical stability of selected transition metal carbides in concentrated phosphoric acid. Electrochimica Acta, 2014, 137, 639-646. | 2.6 | 26 |
| 80 | Complex hydrides for hydrogen storage – new perspectives. Materials Today, 2014, 17, 122-128. | 8.3 | 408 |
| 81 | Polybenzimidazole and sulfonated polyhedral oligosilsesquioxane composite membranes for high temperature polymer electrolyte membrane fuel cells. Electrochimica Acta, 2014, 140, 182-190. | 2.6 | 53 |
| 82 | Boron-nitrogen based hydrides and reactive composites for hydrogen storage. Materials Today, 2014, 17, 129-135. | 8.3 | 165 |
| 83 | Innenbild: Hollow Spheres of Iron Carbide Nanoparticles Encased in Graphitic Layers as Oxygen Reduction Catalysts (Angew. Chem. 14/2014). Angewandte Chemie, 2014, 126, 3823-3823. | 1.6 | 2 |
| 84 | Antimony doped tin oxide modified carbon nanotubes as catalyst supports for methanol oxidation and oxygen reduction reactions. Journal of Materials Chemistry A, 2013, 1, 9737. | 5.2 | 38 |
| 85 | Benzimidazole grafted polybenzimidazoles for proton exchange membrane fuel cells. Polymer Chemistry, 2013, 4, 4768. | 1.9 | 104 |
| 86 | Heterogeneous anion conducting membranes based on linear and crosslinked KOH doped polybenzimidazole for alkaline water electrolysis. Journal of Membrane Science, 2013, 447, 424-432. | 4.1 | 86 |
| 87 | Oxidative degradation of acid doped polybenzimidazole membranes and fuel cell durability in the presence of ferrous ions. Journal of Power Sources, 2013, 238, 516-522. | 4.0 | 44 |
| 88 | Indium doped niobium phosphates as intermediate temperature proton conductors. International Journal of Hydrogen Energy, 2013, 38, 2464-2470. | 3.8 | 10 |
| 89 | Covalently Crosslinked Sulfone Polybenzimidazole Membranes with Poly(Vinylbenzyl Chloride) for Fuel Cell Applications. ChemSusChem, 2013, 6, 275-282. | 3.6 | 95 |
| 90 | Crosslinked Hexafluoropropylidene Polybenzimidazole Membranes with Chloromethyl Polysulfone for Fuel Cell Applications. Advanced Energy Materials, 2013, 3, 622-630. | 10.2 | 146 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Corrosion Behavior of Construction Materials for Intermediate Temperature Steam Electrolysers. <i>Advanced Materials Research</i> , 2013, 699, 596-605. | 0.3 | 4 |
| 92 | Catalyst Degradation in High Temperature Proton Exchange Membrane Fuel Cells Based on Acid Doped Polybenzimidazole Membranes. <i>Fuel Cells</i> , 2013, 13, 822-831. | 1.5 | 17 |
| 93 | A Direct DME High Temperature PEM Fuel Cell. <i>ECS Transactions</i> , 2013, 50, 869-876. | 0.3 | 2 |
| 94 | Nickel and Its Alloys as Perspective Materials for Intermediate Temperature Steam Electrolysers Operating on Proton Conducting Solid Acids as Electrolyte. <i>ECS Transactions</i> , 2013, 50, 53-61. | 0.3 | 1 |
| 95 | The 3rd CARISMA International Conference on Medium and High Temperature Proton Exchange Membrane Fuel Cells. <i>Platinum Metals Review</i> , 2013, 57, 173-176. | 1.5 | 1 |
| 96 | Metal Phosphates as Intermediate Temperature Proton Conducting Electrolytes. <i>ECS Transactions</i> , 2012, 45, 99-104. | 0.3 | 1 |
| 97 | Synthesis and properties of poly(aryl sulfone benzimidazole) and its copolymers for high temperature membrane electrolytes for fuel cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 11185. | 6.7 | 72 |
| 98 | PEM steam electrolysis at 130°C using a phosphoric acid doped short side chain PFSA membrane. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 10992-11000. | 3.8 | 59 |
| 99 | Tungsten carbide promoted Pd and Pd-Co electrocatalysts for formic acid electrooxidation. <i>Journal of Power Sources</i> , 2012, 219, 106-111. | 4.0 | 76 |
| 100 | Niobium phosphates as an intermediate temperature proton conducting electrolyte for fuel cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 22452. | 6.7 | 40 |
| 101 | Thermal curing of PBI membranes for high temperature PEM fuel cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 5444. | 6.7 | 146 |
| 102 | A Direct DME High Temperature PEM Fuel Cell. <i>ECS Meeting Abstracts</i> , 2012, , . | 0.0 | 0 |
| 103 | Phosphoric acid doped imidazolium polysulfone membranes for high temperature proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2012, 205, 114-121. | 4.0 | 110 |
| 104 | Direct dimethyl ether fueling of a high temperature polymer fuel cell. <i>Journal of Power Sources</i> , 2012, 211, 173-176. | 4.0 | 20 |
| 105 | High-temperature proton exchange membranes based on polybenzimidazole and clay composites for fuel cells. <i>Journal of Membrane Science</i> , 2011, 383, 78-87. | 4.1 | 116 |
| 106 | Crosslinking of polybenzimidazole membranes by divinylsulfone post-treatment for high-temperature proton exchange membrane fuel cell applications. <i>Polymer International</i> , 2011, 60, 1201-1207. | 1.6 | 52 |
| 107 | Oxidative Degradation of Polybenzimidazole Membranes as Electrolytes for High Temperature Proton Exchange Membrane Fuel Cells. <i>Fuel Cells</i> , 2011, 11, 745-755. | 1.5 | 84 |
| 108 | Effect of chloride impurities on the performance and durability of polybenzimidazole-based high temperature proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 1628-1636. | 3.8 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 109 | Phosphoric acid doped membranes based on Nafion [®] , PBI and their blends – Membrane preparation, characterization and steam electrolysis testing. International Journal of Hydrogen Energy, 2011, 36, 6985-6993. | 3.8 | 129 |
| 110 | Properties, degradation and high temperature fuel cell test of different types of PBI and PBI blend membranes. Journal of Membrane Science, 2010, 347, 260-270. | 4.1 | 199 |
| 111 | High temperature proton exchange membranes based on polybenzimidazoles for fuel cells. Progress in Polymer Science, 2009, 34, 449-477. | 11.8 | 1,188 |
| 112 | Partially Fluorinated Arylene Polyethers and their Ternary Blends with PBI and H ₃ PO ₄ . Part II. Characterisation and Fuel Cell Tests of the Ternary Membranes. Fuel Cells, 2008, 8, 188-199. | 1.5 | 80 |
| 113 | Partially Fluorinated Arylene Polyethers and Their Ternary Blend Membranes with PBI and H ₃ PO ₄ . Part I. Synthesis and Characterisation of Polymers and Binary Blend Membranes. Fuel Cells, 2008, 8, 175-187. | 1.5 | 77 |
| 114 | Development of a high-pressure microbalance for hydrogen storage materials. Journal of Alloys and Compounds, 2007, 446-447, 703-706. | 2.8 | 4 |
| 115 | The energy efficiency of onboard hydrogen storage. Journal of Alloys and Compounds, 2007, 446-447, 723-728. | 2.8 | 107 |
| 116 | Cross-Linked Polybenzimidazole Membranes for Fuel Cells. Chemistry of Materials, 2007, 19, 350-352. | 3.2 | 252 |
| 117 | High temperature PEMFC and the possible utilization of the excess heat for fuel processing. International Journal of Hydrogen Energy, 2007, 32, 1567-1571. | 3.8 | 77 |
| 118 | Preparation and operation of gas diffusion electrodes for high-temperature proton exchange membrane fuel cells. Journal of Power Sources, 2007, 172, 278-286. | 4.0 | 66 |
| 119 | Doping phosphoric acid in polybenzimidazole membranes for high temperature proton exchange membrane fuel cells. Journal of Polymer Science Part A, 2007, 45, 2989-2997. | 2.5 | 105 |
| 120 | Physicochemical properties of phosphoric acid doped polybenzimidazole membranes for fuel cells. Journal of Membrane Science, 2006, 277, 38-45. | 4.1 | 334 |
| 121 | Gas Diffusion Electrodes for PBI Cells. ECS Meeting Abstracts, 2006, , . | 0.0 | 0 |
| 122 | Integration of high temperature PEM fuel cells with a methanol reformer. Journal of Power Sources, 2005, 145, 392-398. | 4.0 | 177 |
| 123 | 100% C polymer fuel cells for use with NaAlH ₄ . Journal of Alloys and Compounds, 2005, 404-406, 653-656. | 2.8 | 53 |
| 124 | X-ray Diffraction of Subfractions of Petroleum Asphaltenes. Energy & Fuels, 2005, 19, 2371-2377. | 2.5 | 115 |
| 125 | PBI-Based Polymer Membranes for High Temperature Fuel Cells – Preparation, Characterization and Fuel Cell Demonstration. Fuel Cells, 2004, 4, 147-159. | 1.5 | 578 |
| 126 | An in-situ neutron diffraction study of the ageing of CaNi ₅ Dx at 80°C and 9bar. Journal of Alloys and Compounds, 2004, 372, 190-196. | 2.8 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Approaches and Recent Development of Polymer Electrolyte Membranes for Fuel Cells Operating above 100 Å°C. Chemistry of Materials, 2003, 15, 4896-4915. | 3.2 | 1,592 |
| 128 | The CO Poisoning Effect in PEMFCs Operational at Temperatures up to 200Å°C. Journal of the Electrochemical Society, 2003, 150, A1599. | 1.3 | 519 |
| 129 | Stability of CaNi ₅ H _x stored at temperatures between 20 and 150Å°C. Journal of Alloys and Compounds, 2002, 330-332, 215-218. | 2.8 | 6 |
| 130 | The electrochemical impedance of metal hydride electrodes. Electrochimica Acta, 2002, 47, 2871-2884. | 2.6 | 36 |
| 131 | Structural studies of disordered Mg ₂ NiH ₄ formed by mepherical grinding. Journal of Alloys and Compounds, 1999, 293-295, 146-149. | 2.8 | 24 |
| 132 | Systematic B-metal substitution in CaNi ₅ . Journal of Alloys and Compounds, 1999, 293-295, 185-189. | 2.8 | 20 |