

# Bruno G. Pollet

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

206

papers

7,168

citations

42

h-index

77

g-index

226

ext. papers

8,611

ext. citations

6.2

avg, IF

6.73

L-index

#	Paper	IF	Citations
206	Hafnium doped tungsten oxide intercalated carbon matrix for electrochemical detection of perfluorooctanoic acid. <i>Chemical Engineering Journal</i> , <b>2022</b> , 434, 134700	14.7	1
205	Ni <sub>2</sub> P nanoparticles-inserted NiFeP nanosheets with rich interfaces as efficient catalysts for the oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 903, 163855	5.7	4
204	Understanding the Effects of Ultrasound (408 kHz) on the Hydrogen Evolution Reaction (HER) and the Oxygen Evolution Reaction (OER) on Raney-Ni in Alkaline Media.. <i>Ultrasonics Sonochemistry</i> , <b>2022</b> , 84, 105979	8.9	1
203	Frequency controlled agglomeration of pt-nanoparticles in sonochemical synthesis.. <i>Ultrasonics Sonochemistry</i> , <b>2022</b> , 85, 105991	8.9	1
202	Hf-Doped Tungsten Oxide Nanorods as Electrode Materials for Electrochemical Detection of Paracetamol and Salbutamol. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 1263-1275	5.6	4
201	Sonoactivated polycrystalline Ni electrodes for alkaline oxygen evolution reaction.. <i>Ultrasonics Sonochemistry</i> , <b>2022</b> , 86, 106013	8.9	0
200	Tailoring the oxide surface composition of stainless steel for improved OER performance in alkaline water electrolysis. <i>Electrochimica Acta</i> , <b>2022</b> , 140561	6.7	0
199	Electrochemical nutrient removal from natural wastewater sources and its impact on water quality.. <i>Water Research</i> , <b>2021</b> , 210, 118001	12.5	2
198	Sonochemical dosimetry: A comparative study of Weissler, Fricke and terephthalic acid methods. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 72, 105413	8.9	5
197	Bulk power transmission at sea: Life cycle cost comparison of electricity and hydrogen as energy vectors. <i>Applied Energy</i> , <b>2021</b> , 288, 116625	10.7	9
196	How do dissolved gases affect the sonochemical process of hydrogen production? An overview of thermodynamic and mechanistic effects - On the "hot spot theory". <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 72, 105422	8.9	19
195	The effects of power ultrasound (24kHz) on the electrochemical reduction of CO on polycrystalline copper electrodes. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 72, 105401	8.9	4
194	Sonochemical conversion of CO into hydrocarbons: The Sabatier reaction at ambient conditions. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 73, 105474	8.9	5
193	Scaling factors for channel width variations in tree-like flow field patterns for polymer electrolyte membrane fuel cells - An experimental study. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 19554-19568	6.7	3
192	Ultrasonically Surface-Activated Nickel Foam as a Highly Efficient Monolith Electrode for the Catalytic Oxidation of Methanol to Formate. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 30603-30613	8.5	9
191	Integrating Ni nanoparticles into MoN nanosheets form Schottky heterojunctions to boost its electrochemical performance for water electrolysis. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 867, 158983	5.7	10
190	Co <sub>3</sub> O <sub>4</sub> /CuCoO <sub>2</sub> hybrid nanoplates as a low-cost and highly active catalyst for producing hydrogen from ammonia borane. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 2688-2695	3.6	2

189	Using Ultrasound to Effectively Homogenise Catalyst Inks: Is This Approach Still Acceptable?. <i>Johnson Matthey Technology Review</i> , <b>2021</b> ,	2.5	6
188	Two routes for sonochemical synthesis of platinum nanoparticles with narrow size distribution. <i>Materials Advances</i> , <b>2021</b> , 2, 1962-1971	3.3	13
187	Sonochemical and Sonoelectrochemical Production of Energy Materials. <i>Catalysts</i> , <b>2021</b> , 11, 284	4	13
186	An Electrochemical Study of Ammonium Dihydrogen Phosphate on Mg and Mg Alloy Electrodes. <i>Electrocatalysis</i> , <b>2021</b> , 12, 251-263	2.7	1
185	Does power ultrasound affect hydrocarbon Ionomers?. <i>Ultrasonics Sonochemistry</i> , <b>2021</b> , 75, 105588	8.9	2
184	Development of non-stoichiometric hybrid Co <sub>3</sub> S <sub>4</sub> /Co <sub>0.85</sub> Se nanocomposites for an evaluation of synergistic effect on the OER performance. <i>Surfaces and Interfaces</i> , <b>2021</b> , 25, 101161	4.1	4
183	Low carbon ultrasonic production of alternate fuel: Operational and mechanistic concerns of the sonochemical process of hydrogen generation under various scenarios. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 26770-26787	6.7	5
182	Advances in rapid and effective break-in/conditioning/recovery of automotive PEMFC stacks. <i>Current Opinion in Electrochemistry</i> , <b>2021</b> , 100843	7.2	2
181	Self-standing heterostructured NiC -NiFe-NC/biochar as a highly efficient cathode for lithium-oxygen batteries. <i>Beilstein Journal of Nanotechnology</i> , <b>2020</b> , 11, 1809-1821	3	0
180	Engineered porous Ni <sub>2</sub> P-nanoparticle/Ni <sub>2</sub> P-nanosheet arrays via the Kirkendall effect and Ostwald ripening towards efficient overall water splitting. <i>Nano Research</i> , <b>2020</b> , 13, 2098-2105	10	50
179	The use of non-cavitating coupling fluids for intensifying sonoelectrochemical processes. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 66, 105087	8.9	2
178	A highly efficient water electrolyser cell assembled by asymmetric array electrodes based on Co, Fe-doped Ni(OH) <sub>2</sub> nanosheets. <i>Applied Surface Science</i> , <b>2020</b> , 528, 146972	6.7	23
177	MOF derived graphitic carbon nitride/oxygen vacancies-rich zinc oxide nanocomposites with enhanced supercapacitive performance. <i>Ionics</i> , <b>2020</b> , 26, 5155-5165	2.7	4
176	Seeking minimum entropy production for a tree-like flow-field in a fuel cell. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 6993-7003	3.6	7
175	Fractal-Like Flow-Fields with Minimum Entropy Production for Polymer Electrolyte Membrane Fuel Cells. <i>Entropy</i> , <b>2020</b> , 22,	2.8	4
174	Does power ultrasound (26 kHz) affect the hydrogen evolution reaction (HER) on Pt polycrystalline electrode in a mild acidic electrolyte?. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 69, 105238	8.9	8
173	Nanofiber NiMoO <sub>4</sub> /g-CN Composite Electrode Materials for Redox Supercapacitor Applications. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	32
172	Flow Field Patterns for Proton Exchange Membrane Fuel Cells. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	31

171	CuO/NiO/Co <sub>3</sub> O <sub>4</sub> hybrid nanoplates as highly active catalyst for ammonia borane hydrolysis. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 8168-8176	6.7	31
170	Sonoelectrochemistry for energy and environmental applications. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 63, 104960	8.9	95
169	The Impact of Peltier and Dufour Coefficients on Heat Fluxes and Temperature Profiles in the Polymer Electrolyte Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 144503	3.9	3
168	Hydrogen Fuel Cells and Water Electrolysers <b>2020</b> , 61-71		0
167	Ultrasound-Assisted Electrolytic Hydrogen Production <b>2020</b> , 73-84		1
166	Thermal Gradients with Sintered Solid State Electrolytes in Lithium-Ion Batteries. <i>Energies</i> , <b>2020</b> , 13, 253	3.1	5
165	How to Avoid Total Dissolved Gas Supersaturation in Water from Hydropower Plants by Employing Ultrasound. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1608, 012004	0.3	0
164	Thermal Management of Lithium-Ion Batteries <b>2020</b> , 183-194		2
163	Graphene inclusion effect on anion-exchange membranes properties for alkaline water electrolyzers. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 17057-17066	6.7	14
162	Does power ultrasound affect Nafion <sup>®</sup> dispersions?. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 60, 104758	8.9	14
161	Multidimensional regulation of Ni <sub>3</sub> S <sub>2</sub> @Co(OH) <sub>2</sub> catalyst with high performance for wind energy electrolytic water. <i>Journal of Power Sources</i> , <b>2020</b> , 446, 227348	8.9	38
160	h2fcTrondheim 2018. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 1199-1200	6.7	
159	Assessment of the beneficial combination of electrochemical and ultrasonic activation of compounds originating from biomass. <i>Ultrasonics Sonochemistry</i> , <b>2020</b> , 63, 104934	8.9	6
158	Electroless Production of Fertilizer (Struvite) and Hydrogen from Synthetic Agricultural Wastewaters. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 18844-18858	16.4	12
157	The influence of graphitization on the thermal conductivity of catalyst layers and temperature gradients in proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 1335-1342	6.7	5
156	Measuring the thermal conductivity of membrane and porous transport layer in proton and anion exchange membrane water electrolyzers for temperature distribution modeling. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 1236-1254	6.7	12
155	Introduction to Ultrasound, Sonochemistry and Sonoelectrochemistry. <i>Springer Briefs in Molecular Science</i> , <b>2019</b> ,	0.6	14
154	Hierarchical core-shell structured CoNi <sub>2</sub> S <sub>4</sub> /Ni <sub>3</sub> S <sub>2</sub> @Ni(OH) <sub>2</sub> nanosheet arrays as electrode for electrochemical energy storage. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 785, 684-691	5.7	26

153	Current status of automotive fuel cells for sustainable transport. <i>Current Opinion in Electrochemistry</i> , <b>2019</b> , 16, 90-95	7.2	148
152	The Sono-Hydro-Gen process (Ultrasound induced hydrogen production): Challenges and opportunities. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 14500-14526	6.7	34
151	Ex-Situ Electrochemical Characterization of IrO <sub>2</sub> Synthesized by a Modified Adams Fusion Method for the Oxygen Evolution Reaction. <i>Catalysts</i> , <b>2019</b> , 9, 318	4	19
150	Graphene modified fluorinated cation-exchange membranes for proton exchange membrane water electrolysis. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 10190-10196	6.7	21
149	The Use of Power Ultrasound for the Production of PEMFC and PEMWE Catalysts and Low-Pt Loading and High-Performing Electrodes. <i>Catalysts</i> , <b>2019</b> , 9, 246	4	38
148	N-doped porous transition metal-based carbon nanosheet networks as a multifunctional electrocatalyst for rechargeable zinc-air batteries. <i>Chemical Communications</i> , <b>2019</b> , 55, 2924-2927	5.8	42
147	Recent developments in the sonoelectrochemical synthesis of nanomaterials. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 59, 104711	8.9	48
146	Co <sub>3</sub> O <sub>4</sub> /CuMoO <sub>4</sub> Hybrid Microflowers Composed of Nanorods with Rich Particle Boundaries as a Highly Active Catalyst for Ammonia Borane Hydrolysis. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 16474-16482	8.3	26
145	Electroreduction of oxygen on Nafion <sup>®</sup> -coated thin platinum films in acid media. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 848, 113292	4.1	7
144	Highly Efficient and Stable Catalyst Based on Co(OH) <sub>2</sub> @Ni Electroplated on Cu-Metallized Cotton Textile for Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 29791-29798	9.5	34
143	Effect of power ultrasound and Fenton reagents on the biomethane potential from steam-exploded birchwood. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 58, 104675	8.9	12
142	From Bad Electrochemical Practices to an Environmental and Waste Reducing Approach for the Generation of Active Hydrogen Evolving Electrodes. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 17383-17392	16.4	16
141	From Bad Electrochemical Practices to an Environmental and Waste Reducing Approach for the Generation of Active Hydrogen Evolving Electrodes. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 17544-17553	3.6	3
140	Fundamental and Applied Aspects of Ultrasonics and Sonochemistry. <i>Springer Briefs in Molecular Science</i> , <b>2019</b> , 1-19	0.6	3
139	Short Introduction to Sonoelectrochemistry. <i>Springer Briefs in Molecular Science</i> , <b>2019</b> , 21-39	0.6	5
138	The Use of Ultrasound for the Electrochemical Synthesis of Magnesium Ammonium Phosphate Hexahydrate (Struvite). <i>ECS Transactions</i> , <b>2019</b> , 92, 47-55	1	6
137	(Invited) Novel Fuel Production Based on Sonochemistry and Sonoelectrochemistry. <i>ECS Transactions</i> , <b>2019</b> , 92, 1-16	1	8
136	Mesoporous CoS/N-doped Carbon as HER and ORR Bifunctional Electrocatalyst for Water Electrolyzers and Zinc-Air Batteries. <i>ChemCatChem</i> , <b>2019</b> , 11, 1026-1032	5.2	29

135	Toward high performance of zinc-air battery using hydrophobic carbon foam-based diffusion electrode. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2019</b> , 71, 284-292	6.3	9
134	Does power ultrasound affect heterogeneous electron transfer kinetics?. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 52, 6-12	8.9	23
133	Nano-engineering PdNi networks by voltammetric dealloying for ethanol oxidation. <i>Journal of Applied Electrochemistry</i> , <b>2019</b> , 49, 39-44	2.6	5
132	Hollow core-shell structured CuO@CuS spheres as novel electrode for enzyme free glucose sensing. <i>Materials Science and Engineering C</i> , <b>2019</b> , 95, 174-182	8.3	12
131	MnO/N-Doped Mesoporous Carbon as Advanced Oxygen Reduction Reaction Electrocatalyst for Zinc-Air Batteries. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2868-2876	4.8	21
130	Sonochemical and sonoelectrochemical production of hydrogen. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 51, 533-555	8.9	64
129	Three-dimensional hierarchical walnut kernel shape conducting polymer as water soluble binder for lithium-ion battery. <i>Electrochimica Acta</i> , <b>2018</b> , 269, 571-579	6.7	14
128	Tuning the extent of porosity and composition of N-doped carbon materials by NaNO <sub>3</sub> and its effect on electrochemical activity. <i>Materials Research Bulletin</i> , <b>2018</b> , 104, 134-142	5.1	10
127	Achieving highly practical capacitance of MnO by using chain-like CoB alloy as support. <i>Nanoscale</i> , <b>2018</b> , 10, 7813-7820	7.7	19
126	Highly active porous CoB nanoalloy synthesized on liquid-gas interface for hydrolysis of sodium borohydride. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 17543-17555	6.7	28
125	A Short Introduction to Sonoelectrochemistry. <i>Electrochemical Society Interface</i> , <b>2018</b> , 27, 41-42	3.6	19
124	(Invited) Thermal Gradients and Thermal Conductivity in PEM Fuel Cells, Compared to Li-Ion Batteries and Super Capacitors. <i>ECS Transactions</i> , <b>2018</b> , 86, 97-109	1	4
123	Sonoelectrochemistry: Both a Tool for Investigating Mechanisms and for Accelerating Processes. <i>Electrochemical Society Interface</i> , <b>2018</b> , 27, 47-51	3.6	11
122	Sonoelectrochemical one-pot synthesis of Pt - Carbon black nanocomposite PEMFC electrocatalyst. <i>Ultrasonics Sonochemistry</i> , <b>2017</b> , 35, 591-597	8.9	27
121	Hybrid polymer electrolyte membrane fuel cell    lithium-ion battery powertrain testing platform    hybrid fuel cell electric vehicle emulator. <i>International Journal of Energy Research</i> , <b>2017</b> , 41, 1596-1611	4.5	6
120	CuCo <sub>2</sub> O <sub>4</sub> nanoplate film as a low-cost, highly active and durable catalyst towards the hydrolytic dehydrogenation of ammonia borane for hydrogen production. <i>Journal of Power Sources</i> , <b>2017</b> , 355, 191-198	8.9	40
119	Ultra-high surface area and mesoporous N-doped carbon derived from sheep bones with high electrocatalytic performance toward the oxygen reduction reaction. <i>Journal of Solid State Electrochemistry</i> , <b>2017</b> , 21, 2947-2954	2.6	17
118	Tailoring nanopores within nanoparticles of PtCo networks as catalysts for methanol oxidation reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 255, 55-62	6.7	31

117	Comment on Novel synthesis of highly durable and active Pt catalyst encapsulated in nitrogen containing carbon for polymer electrolyte membrane fuel cell. <i>Journal of Power Sources</i> , <b>2017</b> , 363, 480-481	8.9	81
116	Nano-sized Co/Co(OH) <sub>2</sub> core-shell structure synthesized in molten salt as electrode materials for supercapacitors. <i>Ionics</i> , <b>2017</b> , 23, 725-730	2.7	8
115	Enhanced Cycleability of Amorphous MnO <sub>2</sub> by Covering on MnO <sub>2</sub> Needles in an Electrochemical Capacitor. <i>Materials</i> , <b>2017</b> , 10,	3.5	19
114	Metal hydride hydrogen storage and supply systems for electric forklift with low-temperature proton exchange membrane fuel cell power module. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 13831-13842	6.7	68
113	Past, Current and Future Energy Production. <i>SpringerBriefs in Energy</i> , <b>2016</b> , 31-45	0.3	
112	Sonoelectrochemical Production of Fuel Cell Nanomaterials. <i>Nanostructure Science and Technology</i> , <b>2016</b> , 409-433	0.9	1
111	Electroless Route to Prepare Cu Film Composed of Cu Nanosheets as a High Performance Catalyst for the Reduction of p-Nitrophenol. <i>Bulletin of the Korean Chemical Society</i> , <b>2016</b> , 37, 2080-2083	1.2	1
110	Regrowth in ship's ballast water tanks: Think again!. <i>Marine Pollution Bulletin</i> , <b>2016</b> , 109, 46-48	6.7	19
109	Hybrid hydrogen PEM fuel cell and batteries without DCDC converter. <i>International Journal of Low-Carbon Technologies</i> , <b>2016</b> , 11, 205-210	2.8	3
108	V <sub>2</sub> O <sub>5</sub> -SiO <sub>2</sub> hybrid as anode material for aqueous rechargeable lithium batteries. <i>Ionics</i> , <b>2016</b> , 22, 1593-1601	6.9	7
107	Review on management, mechanisms and modelling of thermal processes in PEMFC <b>2016</b> , 1, 1-20		16
106	Development of membrane electrode assembly for high temperature proton exchange membrane fuel cell by catalyst coating membrane method. <i>Journal of Power Sources</i> , <b>2015</b> , 288, 121-127	8.9	37
105	Current energy landscape in the Republic of South Africa. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 16685-16701	6.7	32
104	Amorphous PtNiP particle networks of different particle sizes for the electro-oxidation of hydrazine. <i>RSC Advances</i> , <b>2015</b> , 5, 68655-68661	3.7	25
103	Magnesium-based hydrogen storage nanomaterials prepared by high energy reactive ball milling in hydrogen at the presence of mixed titanium-iron oxide. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 645, S454-S459	5.7	22
102	The Effects of Cathode Parameters on the Performance of Poly(2,5-Benzimidazole)-Based Polymer Electrolyte Membrane Fuel Cell. <i>Electrocatalysis</i> , <b>2015</b> , 6, 155-162	2.7	5
101	Thermal conductivity in the three layered regions of micro porous layer coated porous transport layers for the PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 16775-16785	6.7	34
100	Enhanced performance and stability of high temperature proton exchange membrane fuel cell by incorporating zirconium hydrogen phosphate in catalyst layer. <i>Journal of Power Sources</i> , <b>2015</b> , 278, 718-724	8.9	14

99	Current status of fuel cell based combined heat and power systems for residential sector. <i>Journal of Power Sources</i> , <b>2015</b> , 293, 312-328	8.9	157
98	Modeling and control of the output current of a Reformed Methanol Fuel Cell system. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 16521-16531	6.7	7
97	Metal hydride systems for hydrogen storage and supply for stationary and automotive low temperature PEM fuel cell power modules. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 11491-11497	6.7	80
96	A novel non-linear model-based control strategy to improve PEMFC water management – The flatness-based approach. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 2371-2376	6.7	23
95	Performance analysis of cylindrical metal hydride beds with various heat exchange options. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 645, S89-S95	5.7	37
94	Niche applications of metal hydrides and related thermal management issues. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 645, S117-S122	5.7	36
93	FeN stabilized FeN@Pt core-shell nanostructures for oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4462-4469	13	31
92	Distributed hybrid MH-GH <sub>2</sub> system for hydrogen storage and its supply to LT PEMFC power modules. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 645, S329-S333	5.7	20
91	Metal hydride hydrogen compressors: A review. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 5818-5851	6.5	269
90	Fuel-cell (hydrogen) electric hybrid vehicles <b>2014</b> , 685-735		6
89	A Co <sub>3</sub> W <sub>3</sub> C promoted Pd catalyst exhibiting competitive performance over Pt/C catalysts towards the oxygen reduction reaction. <i>Chemical Communications</i> , <b>2014</b> , 50, 566-8	5.8	49
88	Effect of Platinum Distribution in Dual Catalyst Layer Structured Gas Diffusion Electrode on the Performance of High Temperature PEMFC. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, F506-F512	3.9	18
87	Physical and electrochemical evaluation of ATO supported IrO <sub>2</sub> catalyst for proton exchange membrane water electrolyser. <i>Journal of Power Sources</i> , <b>2014</b> , 269, 451-460	8.9	77
86	Electrophoresis and stability of nano-colloids: history, theory and experimental examples. <i>Advances in Colloid and Interface Science</i> , <b>2014</b> , 211, 77-92	14.3	24
85	CsHSO <sub>4</sub> as proton conductor for high-temperature polymer electrolyte membrane fuel cells. <i>Journal of Applied Electrochemistry</i> , <b>2014</b> , 44, 1037-1045	2.6	11
84	Investigation of supported IrO <sub>2</sub> as electrocatalyst for the oxygen evolution reaction in proton exchange membrane water electrolyser. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 1905-1913	6.7	63
83	High-Performance and Durable Membrane Electrode Assemblies for High-Temperature Polymer Electrolyte Membrane Fuel Cells. <i>Electrocatalysis</i> , <b>2014</b> , 5, 361-371	2.7	10
82	Let's Not Ignore the Ultrasonic Effects on the Preparation of Fuel Cell Materials. <i>Electrocatalysis</i> , <b>2014</b> , 5, 330-343	2.7	50



81	Fabrication of gas diffusion electrodes via electrophoretic deposition for high temperature polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , <b>2014</b> , 258, 238-245	8.9	8
80	The importance of ultrasonic parameters in the preparation of fuel cell catalyst inks. <i>Electrochimica Acta</i> , <b>2014</b> , 128, 292-303	6.7	71
79	Membrane electrode assembly with enhanced platinum utilization for high temperature proton exchange membrane fuel cell prepared by catalyst coating membrane method. <i>Journal of Power Sources</i> , <b>2014</b> , 266, 107-113	8.9	46
78	Hydrogen South Africa (HySA) Systems Competence Centre: Mission, objectives, technological achievements and breakthroughs. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 3577-3596	6.7	19
77	Low platinum loading for high temperature proton exchange membrane fuel cell developed by ultrasonic spray coating technique. <i>Journal of Power Sources</i> , <b>2014</b> , 267, 155-159	8.9	51
76	Synthesis and characterisation of a new sulphonated hydrocarbon polymer for application as a solid proton-conducting electrolyte. <i>Solid State Ionics</i> , <b>2014</b> , 263, 62-70	3.3	6
75	A novel dual catalyst layer structured gas diffusion electrode for enhanced performance of high temperature proton exchange membrane fuel cell. <i>Journal of Power Sources</i> , <b>2014</b> , 246, 63-67	8.9	38
74	Study of thermal conductivity of PEM fuel cell catalyst layers. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 9397-9408	6.7	44
73	Hydrogen and Fuel Cell Technologies at the Hydrogen South Africa (HySA) Systems Competence Centre. <i>Platinum Metals Review</i> , <b>2014</b> , 58, 68-81		3
72	Fuel cell-battery hybrid powered light electric vehicle (golf cart): Influence of fuel cell on the driving performance. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 10630-10639	6.7	35
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