

Carlos Ponce de Leon

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.

173
papers

7,580
citations

45
h-index

82
g-index

180
ext. papers

8,779
ext. citations

5.6
avg, IF

6.51
L-index

#	Paper	IF	Citations
173	Template-made tailored mesoporous Ti/SnO ₂ -Sb ₂ O ₅ -IrO ₂ anodes with enhanced activity towards dye removal. <i>Journal of Electroanalytical Chemistry</i> , 2022 , 910, 116153	4.1	1
172	Carbonate-Induced Electrosynthesis of Hydrogen Peroxide via Two-Electron Water Oxidation.. <i>ChemSusChem</i> , 2021 ,	8.3	1
171	Anodic production of hydrogen peroxide using commercial carbon materials. <i>Applied Catalysis B: Environmental</i> , 2021 , 120848	21.8	1
170	Modelling and simulation of H ₂ -H ₂ O bubbly flow through a stack of three cells in a pre-pilot filter press electrocoagulation reactor. <i>Separation and Purification Technology</i> , 2021 , 261, 118235	8.3	4
169	Design, imaging and performance of 3D printed open-cell architectures for porous electrodes: quantification of surface area and permeability. <i>Journal of Chemical Technology and Biotechnology</i> , 2021 , 96, 1818-1831	3.5	1
168	Ab initio molecular dynamics study of AlCl ₄ ⁻ adsorption on PEDOT conducting polymer chains. <i>Energy Reports</i> , 2021 , 7, 111-119	4.6	
167	ReviewProgress in Electrolytes for Rechargeable Aluminium Batteries. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 056509	3.9	4
166	Effective Hydrogen Peroxide Production from Electrochemical Water Oxidation. <i>ACS Energy Letters</i> , 2021 , 6, 2369-2377	20.1	17
165	Future perspectives for the advancement of electrochemical hydrogen peroxide production. <i>Current Opinion in Electrochemistry</i> , 2021 , 30, 100792	7.2	7
164	Pressure drop analysis on the positive half-cell of a cerium redox flow battery using computational fluid dynamics: Mathematical and modelling aspects of porous media. <i>Frontiers of Chemical Science and Engineering</i> , 2021 , 15, 399-409	4.5	2
163	Recent Advances in Electrochemical Water Oxidation to Produce Hydrogen Peroxide: A Mechanistic Perspective. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 76-91	8.3	22
162	Optimization in Redox Flow Batteries 2021 ,		
161	Hydrophobic thiol coatings to facilitate a triphasic interface for carbon dioxide reduction to ethylene at gas diffusion electrodes. <i>Faraday Discussions</i> , 2021 , 230, 375-387	3.6	2
160	EditorsChoiceCritical ReviewThe Bipolar Trickle Tower Reactor: Concept, Development and Applications. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 023503	3.9	3
159	A nonaqueous organic redox flow battery using multi-electron quinone molecules. <i>Journal of Power Sources</i> , 2021 , 500, 229942	8.9	8
158	A virtuous cycle in materials engineering and surface finishing: design-print-image. <i>Transactions of the Institute of Metal Finishing</i> , 2020 , 98, 65-72	1.3	5
157	Simulations of fluid flow, mass transport and current distribution in a parallel plate flow cell during nickel electrodeposition. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 873, 114359	4.1	11

156	Copper and Antimony Recovery from Electronic Waste by Hydrometallurgical and Electrochemical Techniques. <i>ACS Omega</i> , 2020 , 5, 12355-12363	3.9	22
155	Boron-Doped Diamond Electrocatalyst for Enhanced Anodic H ₂ O ₂ Production. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3169-3173	6.1	23
154	A computational chemistry approach to modelling conducting polymers in ionic liquids for next generation batteries. <i>Energy Reports</i> , 2020 , 6, 198-208	4.6	5
153	Aluminium Deposition in EMImCl-AlCl ₃ Ionic Liquid and Ionogel for Improved Aluminium Batteries. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 040516	3.9	4
152	Critical Review The Versatile Plane Parallel Electrode Geometry: An Illustrated Review. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 023504	3.9	20
151	Polymers with intrinsic microporosity (PIMs) for targeted CO reduction to ethylene. <i>Chemosphere</i> , 2020 , 248, 125993	8.4	14
150	Review The Design, Performance and Continuing Development of Electrochemical Reactors for Clean Electrosynthesis. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 155525	3.9	23
149	PbO ₂ decorated ZnO-TiO ₂ core-shell nanoflower structures by zinc anodising for photo- and anodic degradation of Reactive Black-5 dye. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020 , 11, 035018	1.6	
148	Hierarchical mesoscale assembly of PbO ₂ on 3D titanium felt/TiO ₂ nanotubular array electrode for anodic decolourisation of RB-5 dye. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2020 , 11, 045003	1.6	
147	Developments on carbon dioxide reduction: Their promise, achievements, and challenges. <i>Current Opinion in Electrochemistry</i> , 2020 , 20, 88-98	7.2	18
146	Aluminium-poly(3,4-ethylenedioxythiophene) rechargeable battery with ionic liquid electrolyte. <i>Journal of Energy Storage</i> , 2020 , 28, 101176	7.8	14
145	Electrodeposition of platinum on 3D-printed titanium mesh to produce tailored, high area anodes. <i>Transactions of the Institute of Metal Finishing</i> , 2020 , 98, 48-52	1.3	8
144	Effect of airbrush type on sprayed platinum and platinum-cobalt catalyst inks: Benchmarking as PEMFC and performance in an electrochemical hydrogen pump. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 27392-27403	6.7	6
143	Review of current progress in non-aqueous aluminium batteries. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 133, 110100	16.2	28
142	Photocatalytic degradation of methylene blue dye on reticulated vitreous carbon decorated with electrophoretically deposited TiO ₂ nanotubes. <i>Diamond and Related Materials</i> , 2020 , 109, 108001	3.5	8
141	Improving the stability and discharge capacity of nanostructured Fe ₂ O ₃ /C anodes for iron-air batteries and investigation of 1-octanethiol as an electrolyte additive. <i>Electrochimica Acta</i> , 2019 , 318, 625-634	6.7	10
140	Electrochemical synthesis of hydrogen peroxide from water and oxygen. <i>Nature Reviews Chemistry</i> , 2019 , 3, 442-458	34.6	235
139	Redox flow batteries for energy storage: their promise, achievements and challenges. <i>Current Opinion in Electrochemistry</i> , 2019 , 16, 117-126	7.2	56

138	Electrochemical Degradation of Reactive Blue 19 Dye by Combining Boron-Doped Diamond and Reticulated Vitreous Carbon Electrodes. <i>ChemElectroChem</i> , 2019 , 6, 3516-3524	4.3	10
137	Developments in plane parallel flow channel cells. <i>Current Opinion in Electrochemistry</i> , 2019 , 16, 10-18	7.2	26
136	Removal of methylene blue from aqueous solutions using an Fe ²⁺ catalyst and in-situ H ₂ O ₂ generated at gas diffusion cathodes. <i>Electrochimica Acta</i> , 2019 , 308, 45-53	6.7	18
135	Fe(II)-Based GDE Electrodes for the Demineralization of Methylene Blue Dye. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 5527-5533	2.5	2
134	. <i>IEEE Transactions on Transportation Electrification</i> , 2019 , 5, 879-889	7.6	36
133	Three-dimensional porous metal electrodes: Fabrication, characterisation and use. <i>Current Opinion in Electrochemistry</i> , 2019 , 16, 1-9	7.2	30
132	Improvement of Negative Electrodes for Iron-Air Batteries: Comparison of Different Iron Compounds as Active Materials. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A107-A117	3.9	5
131	Mass-Transfer Measurements at Porous 3D Pt-Ir/Ti Electrodes in a Direct Borohydride Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2018 , 165, F198-F206	3.9	11
130	X-ray computed micro-tomography of reticulated vitreous carbon. <i>Carbon</i> , 2018 , 135, 85-94	10.4	14
129	Electro-polymerisation and characterisation of PEDOT in Lewis basic, neutral and acidic EMImCl-AlCl ₃ ionic liquid. <i>Electrochimica Acta</i> , 2018 , 263, 176-183	6.7	13
128	Extraction and separation of rare earth elements from hydrothermal metalliferous sediments. <i>Minerals Engineering</i> , 2018 , 118, 106-121	4.9	28
127	Rechargeable Multi-Valent Metal-Air Batteries. <i>Johnson Matthey Technology Review</i> , 2018 , 62, 134-149	2.5	23
126	The characteristics and performance of hybrid redox flow batteries with zinc negative electrodes for energy storage. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 90, 992-1016	16.2	51
125	A Comparison of Pd/C, Perovskite, and Ni-Fe Hexacyanoferrate Bifunctional Oxygen Catalysts, at Different Loadings and Catalyst Layer Thicknesses on an Oxygen Gas Diffusion Electrode. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A1254-A1262	3.9	5
124	Electro-polymerisation of 3,4-ethylenedioxythiophene on reticulated vitreous carbon in imidazolium-based chloroaluminate ionic liquid as energy storage material. <i>Electrochemistry Communications</i> , 2018 , 89, 52-56	5.1	6
123	Enhancement of antibacterial efficiency at silver electrodeposited on coconut shell activated carbon by modulating pulse frequency. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 749-759	2.6	6
122	Pressure drop through platinized titanium porous electrodes for cerium-based redox flow batteries. <i>AIChE Journal</i> , 2018 , 64, 1135-1146	3.6	27
121	Progress in electrochemical flow reactors for laboratory and pilot scale processing. <i>Electrochimica Acta</i> , 2018 , 280, 121-148	6.7	66

120	Understanding the charge storage mechanism of conductive polymers as hybrid battery-capacitor materials in ionic liquids by in situ atomic force microscopy and electrochemical quartz crystal microbalance studies. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17787-17799	13	18
119	Methodology to determine the heat capacity of lithium-ion cells. <i>Journal of Power Sources</i> , 2018 , 395, 369-378	8.9	31
118	A new procedure for the template synthesis of metal nanowires. <i>Electrochemistry Communications</i> , 2018 , 87, 58-62	5.1	12
117	Dynamic charging algorithm for energy storage devices at high rate EV chargers for integration of solar energy. <i>Energy Procedia</i> , 2018 , 151, 2-6	2.3	2
116	The influence of iodate ion additions to the bath on the deposition of electroless nickel on mild steel. <i>Transactions of the Institute of Metal Finishing</i> , 2018 , 96, 275-284	1.3	2
115	Developments in electrode design: structure, decoration and applications of electrodes for electrochemical technology. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 3073-3090	3.5	26
114	Decolourisation of reactive black-5 at an RVC substrate decorated with PbO ₂ /TiO ₂ nanosheets prepared by anodic electrodeposition. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 2889-2900	2.6	19
113	New Insights into the Electrochemical Formation of Magnetite Nanoparticles. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D184-D191	3.9	19
112	Engineering aspects of the design, construction and performance of modular redox flow batteries for energy storage. <i>Journal of Energy Storage</i> , 2017 , 11, 119-153	7.8	160
111	Monitoring of zincate pre-treatment of aluminium prior to electroless nickel plating. <i>Transactions of the Institute of Metal Finishing</i> , 2017 , 95, 97-105	1.3	12
110	A Rechargeable, Aqueous Iron Air Battery with Nanostructured Electrodes Capable of High Energy Density Operation. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A1148-A1157	3.9	36
109	Recent developments in organic redox flow batteries: A critical review. <i>Journal of Power Sources</i> , 2017 , 360, 243-283	8.9	282
108	3D-printed porous electrodes for advanced electrochemical flow reactors: A Ni/stainless steel electrode and its mass transport characteristics. <i>Electrochemistry Communications</i> , 2017 , 77, 133-137	5.1	64
107	Editors' Choice Electrodeposition of Platinum on Titanium Felt in a Rectangular Channel Flow Cell. <i>Journal of the Electrochemical Society</i> , 2017 , 164, D57-D66	3.9	24
106	Reactor Design for Advanced Oxidation Processes. <i>Handbook of Environmental Chemistry</i> , 2017 , 263-286	0.8	1
105	Graphite felt as a versatile electrode material: Properties, reaction environment, performance and applications. <i>Electrochimica Acta</i> , 2017 , 258, 1115-1139	6.7	112
104	Perspective State of the Art of Rechargeable Aluminum Batteries in Non-Aqueous Systems. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A3499-A3502	3.9	22
103	Preparation and characterization of a rechargeable battery based on poly-(3,4-ethylenedioxythiophene) and aluminum in ionic liquids. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 3237-3246	2.6	18

102	Characterisation of platinum electrodeposits on a titanium micromesh stack in a rectangular channel flow cell. <i>Electrochimica Acta</i> , 2017 , 247, 994-1005	6.7	13
101	Current distribution in a rectangular flow channel manufactured by 3-D printing. <i>AIChE Journal</i> , 2017 , 63, 1144-1151	3.6	7
100	Electrochemical degradation of RB-5 dye by anodic oxidation, electro-Fenton and by combining anodic oxidation-Electro-Fenton in a filter-press flow cell. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 765, 179-187	4.1	52
99	The continued development of reticulated vitreous carbon as a versatile electrode material: Structure, properties and applications. <i>Electrochimica Acta</i> , 2016 , 215, 566-591	6.7	59
98	Mass transport and active area of porous Pt/Ti electrodes for the Zn-Ce redox flow battery determined from limiting current measurements. <i>Electrochimica Acta</i> , 2016 , 221, 154-166	6.7	39
97	The Importance of Cell Geometry and Electrolyte Properties to the Cell Potential of Zn-Ce Hybrid Flow Batteries. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A5170-A5179	3.9	23
96	Multihierarchical electrodes based on titanate nanotubes and zinc oxide nanorods for photoelectrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 944-952	13	17
95	Electrodeposited conductive polymers for controlled drug release: polypyrrole. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 839-859	2.6	49
94	Off-vehicle Energy Store Selection for High Rate EV Charging Station 2016 ,		2
93	Photoelectrocatalytic Oxidation of Methyl Orange on a TiO ₂ Nanotubular Anode Using a Flow Cell. <i>Chemical Engineering and Technology</i> , 2016 , 39, 135-141	2	19
92	Electrochemical redox processes involving soluble cerium species. <i>Electrochimica Acta</i> , 2016 , 205, 226-247	6.7	38
91	Platinum-free lead dioxide electrode for electrooxidation of organic compounds. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 1167-1173	2.6	13
90	Effect of RVC porosity on the performance of PbO ₂ composite coatings with titanate nanotubes for the electrochemical oxidation of azo dyes. <i>Electrochimica Acta</i> , 2016 , 204, 9-17	6.7	50
89	A high-performance, bifunctional oxygen electrode catalysed with palladium and nickel-iron hexacyanoferrate. <i>Electrochimica Acta</i> , 2016 , 206, 127-133	6.7	20
88	Computational fluid dynamics simulations of single-phase flow in a filter-press flow reactor having a stack of three cells. <i>Electrochimica Acta</i> , 2016 , 216, 490-498	6.7	24
87	The importance of the film structure during self-powered ibuprofen salicylate drug release from polypyrrole electrodeposited on AZ31 Mg. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 3375-3382	2.6	9
86	The electrochemical reduction of Cr(VI) ions in acid solution at titanium and graphite electrodes. <i>Journal of Environmental Chemical Engineering</i> , 2016 , 4, 3610-3617	6.8	11
85	3D-Printing of Redox Flow Batteries for Energy Storage: A Rapid Prototype Laboratory Cell. <i>ECS Journal of Solid State Science and Technology</i> , 2015 , 4, P3080-P3085	2	53

84	Direct and Indirect Borohydride Fuel Cells 2015 ,		2
83	The filter-press FM01-LC laboratory flow reactor and its applications. <i>Electrochimica Acta</i> , 2015 , 163, 338-354	6.7	60
82	The reaction environment in a filter-press laboratory reactor: the FM01-LC flow cell. <i>Electrochimica Acta</i> , 2015 , 161, 436-452	6.7	61
81	A nanostructured bifunctional Pd/C gas-diffusion electrode for metal-air batteries. <i>Electrochimica Acta</i> , 2015 , 174, 508-515	6.7	34
80	The formation of nanostructured surfaces by electrochemical techniques: a range of emerging surface finishes. Part 2: examples of nanostructured surfaces by plating and anodising with their applications. <i>Transactions of the Institute of Metal Finishing</i> , 2015 , 93, 241-247	1.3	16
79	A Review of the Iron/Air Secondary Battery for Energy Storage. <i>ChemPlusChem</i> , 2015 , 80, 323-335	2.8	129
78	The Development of Zn/Ce Hybrid Redox Flow Batteries for Energy Storage and Their Continuing Challenges. <i>ChemPlusChem</i> , 2015 , 80, 288-311	2.8	52
77	Copper deposition and dissolution in mixed chloride/sulphate acidic electrolytes: cyclic voltammetry at static disc electrode. <i>Transactions of the Institute of Metal Finishing</i> , 2015 , 93, 74-81	1.3	8
76	Anodic deposition of compact, freely-standing or microporous polypyrrole films from aqueous methanesulphonic acid. <i>Transactions of the Institute of Metal Finishing</i> , 2015 , 93, 139-146	1.3	2
75	The formation of nanostructured surfaces by electrochemical techniques: a range of emerging surface finishes [Part 1: achieving nanostructured surfaces by electrochemical techniques. <i>Transactions of the Institute of Metal Finishing</i> , 2015 , 93, 209-224	1.3	11
74	Simulation of current distribution along a planar electrode under turbulent flow conditions in a laboratory filter-press flow cell. <i>Electrochimica Acta</i> , 2015 , 154, 352-360	6.7	25
73	Zinc-based flow batteries for medium- and large-scale energy storage 2015 , 293-315		9
72	A review of the electrodeposition of metal matrix composite coatings by inclusion of particles in a metal layer: an established and diversifying technology. <i>Transactions of the Institute of Metal Finishing</i> , 2014 , 92, 83-98	1.3	237
71	Versatile electrochemical coatings and surface layers from aqueous methanesulfonic acid. <i>Surface and Coatings Technology</i> , 2014 , 259, 676-697	4.4	62
70	Full factorial design applied to the synthesis of Pd/Ag nanobars by the polyol method and the perspective for ethanol oxidation. <i>RSC Advances</i> , 2014 , 4, 16632-16640	3.7	8
69	Pd/C alloy as an anode material for borohydride oxidation. <i>Journal of Power Sources</i> , 2014 , 269, 498-508	8.9	42
68	Corrosion of the zinc negative electrode of zinc/berium hybrid redox flow batteries in methanesulfonic acid. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 1025-1035	2.6	30
67	The effect of surfactants on the kinetics of borohydride oxidation and hydrolysis in the DBFC. <i>Electrochimica Acta</i> , 2014 , 133, 539-545	6.7	15

66	Electrodeposition of copper from mixed sulphate-chloride acidic electrolytes at a rotating disc electrode. <i>Transactions of the Institute of Metal Finishing</i> , 2014 , 92, 282-288	1.3	8
65	The reduction of hydrogen peroxide at an Au-coated nanotubular TiO ₂ array. <i>Journal of Applied Electrochemistry</i> , 2014 , 44, 169-177	2.6	10
64	Highlights during the development of electrochemical engineering. <i>Chemical Engineering Research and Design</i> , 2013 , 91, 1998-2020	5.5	83
63	Decolorization of Methyl Orange Dye at IrO ₂ -SnO ₂ -Sb ₂ O ₅ Coated Titanium Anodes. <i>Chemical Engineering and Technology</i> , 2013 , 36, 123-129	2	39
62	Mass transfer to a nanostructured nickel electrodeposit of high surface area in a rectangular flow channel. <i>Electrochimica Acta</i> , 2013 , 90, 507-513	6.7	30
61	CFD evaluation of internal manifold effects on mass transport distribution in a laboratory filter-press flow cell. <i>Journal of Applied Electrochemistry</i> , 2013 , 43, 453-465	2.6	21
60	Developments in electrode materials and electrolytes for aluminium-air batteries. <i>Journal of Power Sources</i> , 2013 , 236, 293-310	8.9	291
59	Mathematical modelling of direct borohydride fuel cells. <i>Journal of Power Sources</i> , 2013 , 221, 157-171	8.9	9
58	Progress in redox flow batteries, remaining challenges and their applications in energy storage. <i>RSC Advances</i> , 2012 , 2, 10125	3.7	660
57	Degradation of paracetamol by advance oxidation processes using modified reticulated vitreous carbon electrodes with TiO(2) and CuO/TiO(2)/Al(2)O(3). <i>Chemosphere</i> , 2012 , 89, 1195-201	8.4	62
56	Developments in direct borohydride fuel cells and remaining challenges. <i>Journal of Power Sources</i> , 2012 , 219, 339-357	8.9	135
55	A gold-coated titanium oxide nanotube array for the oxidation of borohydride ions. <i>Electrochemistry Communications</i> , 2012 , 22, 166-169	5.1	16
54	The influence of operational parameters on the performance of an undivided zinc-berium flow battery. <i>Electrochimica Acta</i> , 2012 , 80, 7-14	6.7	38
53	The corrosion behaviour of nanograined metals and alloys. <i>Revista De Metalurgia</i> , 2012 , 48, 377-394	0.4	16
52	An undivided zinc-berium redox flow battery operating at room temperature (295 K). <i>Electrochemistry Communications</i> , 2011 , 13, 770-773	5.1	81
51	A comparison of the electrochemical recovery of palladium using a parallel flat plate flow-by reactor and a rotating cylinder electrode reactor. <i>Electrochimica Acta</i> , 2011 , 56, 9357-9363	6.7	24
50	The use of a rotating cylinder electrode to selective recover palladium from acid solutions used to manufacture automotive catalytic converters. <i>Journal of Applied Electrochemistry</i> , 2011 , 41, 89-97	2.6	9
49	Improvements in direct borohydride fuel cells using three-dimensional electrodes. <i>Catalysis Today</i> , 2011 , 170, 148-154	5.3	24

48	The preparation of PbO ₂ coatings on reticulated vitreous carbon for the electro-oxidation of organic pollutants. <i>Electrochimica Acta</i> , 2011 , 56, 5158-5165	6.7	73
47	Electrodeposition of polypyrrole/titanate nanotube composites coatings and their corrosion resistance. <i>Electrochimica Acta</i> , 2011 , 56, 1323-1328	6.7	63
46	Ce(III)/Ce(IV) in methanesulfonic acid as the positive half cell of a redox flow battery. <i>Electrochimica Acta</i> , 2011 , 56, 2145-2153	6.7	74
45	Zinc deposition and dissolution in methanesulfonic acid onto a carbon composite electrode as the negative electrode reactions in a hybrid redox flow battery. <i>Electrochimica Acta</i> , 2011 , 56, 6536-6546	6.7	103
44	Characterization of a zinc/berium flow battery. <i>Journal of Power Sources</i> , 2011 , 196, 5174-5185	8.9	169
43	Copper deposition at segmented, reticulated vitreous carbon cathode in Hull cell. <i>Transactions of the Institute of Metal Finishing</i> , 2010 , 88, 84-92	1.3	12
42	Characterisation of a re-cast composite Nafion® 1100 series of proton exchange membranes incorporating inert inorganic oxide particles. <i>Electrochimica Acta</i> , 2010 , 55, 6818-6829	6.7	20
41	The Ionic Conductivity of a Nafion® 1100 Series of Proton-exchange Membranes Re-cast from Butan-1-ol and Propan-2-ol. <i>Fuel Cells</i> , 2010 , 10, 567-574	2.9	20
40	The deposition of nanostructured PbO ₂ coatings from aqueous methanesulfonic acid for the electrochemical oxidation of organic pollutants. <i>Electrochemistry Communications</i> , 2010 , 12, 70-74	5.1	68
39	Prediction of mass transport profiles in a laboratory filter-press electrolyser by computational fluid dynamics modelling. <i>Electrochimica Acta</i> , 2010 , 55, 3446-3453	6.7	18
38	The characterisation of PbO ₂ -coated electrodes prepared from aqueous methanesulfonic acid under controlled deposition conditions. <i>Electrochimica Acta</i> , 2010 , 55, 2163-2172	6.7	87
37	Simulation of velocity profiles in a laboratory electrolyser using computational fluid dynamics. <i>Electrochimica Acta</i> , 2010 , 55, 3437-3445	6.7	29
36	Oxidation of the Borohydride Ion at Silver Nanoparticles on a Glassy Carbon Electrode (GCE) Using Pulsed Potential Techniques. <i>ECS Transactions</i> , 2009 , 20, 211-225	1	2
35	SECONDARY BATTERIES ZINC SYSTEMS Zinc/Bromine 2009 , 487-496		7
34	FUEL CELLS EXPLORATORY FUEL CELLS Sodium Borohydride Fuel Cells 2009 , 192-205		3
33	Recent Developments in Borohydride Fuel Cells. <i>ECS Transactions</i> , 2008 , 15, 25-49	1	5
32	Mass Transport and Flow Dispersion in the Compartments of a Modular 10 Cell Filter-Press Stack. <i>Australian Journal of Chemistry</i> , 2008 , 61, 797	1.2	16
31	Electrochemical characterisation of the porosity and corrosion resistance of electrochemically deposited metal coatings. <i>Surface and Coatings Technology</i> , 2008 , 202, 5092-5102	4.4	91

30	The limiting current for reduction of ferricyanide ion at nickel: The importance of experimental conditions. <i>AICHE Journal</i> , 2008 , 54, 802-810	3.6	38
29	The effects of manifold flow on mass transport in electrochemical filter-press reactors. <i>AICHE Journal</i> , 2008 , 54, 811-823	3.6	33
28	The use of electrolyte redox potential to monitor the Ce(IV)/Ce(III) couple. <i>Journal of Environmental Management</i> , 2008 , 88, 1417-25	7.9	25
27	A direct borohydride-peroxide fuel cell using a Pd/Ir alloy coated microfibrinous carbon cathode. <i>Electrochemistry Communications</i> , 2008 , 10, 1610-1613	5.1	79
26	Determination of the effective thickness of a porous electrode in a flow-through reactor; effect of the specific surface area of stainless steel fibres, used as a porous cathode, during the deposition of Ag(I) ions. <i>Hydrometallurgy</i> , 2008 , 91, 98-103	4	11
25	Electrochemically deposited polypyrrole films and their characterization. <i>Surface and Coatings Technology</i> , 2007 , 201, 6025-6034	4.4	46
24	Characterization of the reaction environment in a filter-press redox flow reactor. <i>Electrochimica Acta</i> , 2007 , 52, 5815-5823	6.7	45
23	Strategies for the determination of the convective-diffusion limiting current from steady state linear sweep voltammetry. <i>Journal of Applied Electrochemistry</i> , 2007 , 37, 1261-1270	2.6	49
22	A direct borohydride-acid peroxide fuel cell. <i>Journal of Power Sources</i> , 2007 , 164, 441-448	8.9	126
21	Direct borohydride fuel cells. <i>Journal of Power Sources</i> , 2006 , 155, 172-181	8.9	211
20	Redox flow cells for energy conversion. <i>Journal of Power Sources</i> , 2006 , 160, 716-732	8.9	872
19	Enhanced mass transport to a reticulated vitreous carbon rotating cylinder electrode using jet flow. <i>Electrochimica Acta</i> , 2006 , 51, 2728-2736	6.7	10
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