

# Kothandaraman Ramanujam

## 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.

116  
papers

2,148  
citations

22  
h-index

42  
g-index

121  
ext. papers

2,437  
ext. citations

4.6  
avg, IF

5.42  
L-index

#	Paper	IF	Citations
116	Investigation of Alkyl Amine Substituted Quinone Derivatives for the Redox Flow Battery Applications in Acidic Medium. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 020533	3.9	1
115	A web of poly(bisbenzimidazolotocopper(ii)) around multiwalled carbon nanotubes for the electrochemical detection of hydrogen peroxide. <i>New Journal of Chemistry</i> , <b>2022</b> , 46, 1222-1231	3.6	0
114	A new 2,3-dimethoxy-1,4-naphthoquinone redox anolyte for non-aqueous organic static redox battery. <i>Electrochimica Acta</i> , <b>2022</b> , 407, 139889	6.7	1
113	Starburst configured imidazole-arylamine organic sensitizers for DSSC applications. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2022</b> , 426, 113735	4.7	2
112	Vanadium Polydopamine Flow Battery. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 030525	3.9	1
111	Excited-state properties of newly sensitized imidazole-arylamine-based organic DSSC sensitizers in solvent and adsorbed on TiO <sub>2</sub> /FTO support. <i>Dyes and Pigments</i> , <b>2022</b> , 202, 110273	4.6	
110	Bilayer Micro-Mesoporous Membrane Assembly Offering Lower Pressure Drop to Realize High Energy Efficient Vanadium Redox Flow Battery. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 100542	3.9	1
109	Molecular engineering of near-infrared active boron dipyrromethene moiety with various donors and acceptors for tuning the absorption behavior and electron injection of the resultant dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 410, 113161	4.7	4
108	Crossover-free hydroxy-substituted quinone anolyte and potassium ferrocyanide catholyte for aqueous alkaline organic redox flow battery. <i>Catalysis Today</i> , <b>2021</b> , 370, 173-180	5.3	3
107	Platinum Nanoparticle Decorated Expired Drug-Derived N-Doped Ketjenblack Carbon as Efficient Catalyst for PEM Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 064517	3.9	1
106	Binder-free thin graphite fiber mat sandwich electrode architectures for energy-efficient vanadium redox flow batteries. <i>Catalysis Today</i> , <b>2021</b> , 370, 181-188	5.3	2
105	Energy-Dense Aqueous Carbon/Carbon Supercapacitor with a Wide Voltage Window. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 070538	3.9	1
104	Computational study of 4,4'-dimethoxy triphenylamine donor linked with low band gap spacers by single and double bonds for DSSC applications. <i>New Journal of Chemistry</i> , <b>2021</b> , 45, 16989-17001	3.6	0
103	Electrode and Conductive Additive Compatibility Yielding Excellent Rate Capability and Long Cycle Life for Sustainable Organic Aqueous Zn-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 1218-1227	6.1	9
102	An Energy and Power Dense Aqueous Zinc-Ion Hybrid Supercapacitor with Low Leakage Current and Long Cycle Life. <i>Journal of the Electrochemical Society</i> , <b>2021</b> , 168, 010538	3.9	6
101	Activation of Oxygen Reduction Reaction on Carbon Supported Ni-Based Complexes. <i>ChemistrySelect</i> , <b>2021</b> , 6, 9101-9111	1.8	0
100	A computational approach on engineering short spacer for carbazole-based dyes for dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2021</b> , 419, 113447	4.7	0

99	Excited-State Properties of Metal-Free ((-)-2-Cyano-3-(4-((-)-2-(6-(4-methoxyphenyl)-9-octyl-9-carbazol-3-yl)vinyl)phenyl)acrylic Acid and (-)-2-Cyano-3-(4-((-)-4-(diphenylamino)styryl)phenyl)acrylic Acid) and Ru-Based (N719 and Z907) Dyes and Photoinduced Charge Transfer Processes in FTO/TiCl <sub>4</sub> /TiO <sub>2</sub> /Dye Photoanodes Fabricated by Synthesis and DSSC application of BODIPY decorated triazole bridged and benzene nucleus cored conjugated dendrimers.. <i>RSC Advances</i> , <b>2020</b> , 10, 18390-18399	2.8	3
98	Highly Durable Pt-Based Catalyst Supported on Carbon Derived from Tamarind Seeds for Oxygen Reduction Reaction in PEM Fuel Cell. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 104515	3.7	2
97	Chromium Oxynitride as Durable Electrode Material for Symmetric Supercapacitors. <i>Batteries and Supercaps</i> , <b>2020</b> , 3, 780-788	3.9	4
96	New cyclic and acyclic imidazole-based sensitizers for achieving highly efficient photoanodes for dye-sensitized solar cells by a potential-assisted method. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 10207-10219	5.6	7
95	Nickel-Based Hybrid Material for Electrochemical Oxygen Redox Reactions in an Alkaline Medium. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 6408-6415	3.6	6
94	A computational study on boron dipyrromethene ancillary acceptor-based dyes for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 4877-4886	6.1	3
93	An all solid-state Li ion battery composed of low molecular weight crystalline electrolyte.. <i>RSC Advances</i> , <b>2020</b> , 10, 8780-8789	3.6	12
92	Oxygen sensitive 1-amino-2-naphthol immobilized functionalized-carbon nanotube electrode. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 8849-8858	3.7	7
91	Drastic Improvement in Capacity-Retention and Polarization of Vanadium Redox Flow Battery with Hydrophilic Co <sub>3</sub> O <sub>4</sub> Nanostructure Modified Activated Graphite Felt Electrodes. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 160504	3.6	3
90	Functionalised carbazole as a cathode for high voltage non-aqueous organic redox flow batteries. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 14401-14410	3.9	5
89	Drastic improvement in dye-sensitized solar cell efficiency by electrosorption based dye staining of titania semiconductor photoanode. <i>Electrochimica Acta</i> , <b>2020</b> , 349, 136344	3.6	5
88	Delineating the enhanced efficiency of carbon nanomaterials including the hierarchical architecture of the photoanode of dye-sensitized solar cells. <i>Materials Advances</i> , <b>2020</b> , 1, 2964-2970	6.7	2
87	Confinement Catalysis of Non-covalently Functionalized Carbon Nanotube in Ascorbic Acid Sensing. <i>Electroanalysis</i> , <b>2020</b> , 32, 2481-2492	3.3	
86	Replacing aromatic system with cycloalkyl in triphenylamine dyes to impact intramolecular charge transfer in dyes pertaining to dye-sensitized solar cells application. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2020</b> , 403, 112862	3	1
85	Molecular engineering of pyrene carbazole dyes with a single bond and double bond as the mode of linkage. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 16511-16525	4.7	7
84	Electrochemical Sensors Using Liquid Filled Multiwalled Carbon Nanotubes: Enhanced Sensor Characteristics, and NMR Relaxometry Evidence of Liquid Confinement. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, B1186-B1195	3.6	5
83	A chitosan/poly(ethylene glycol)-ran-poly(propylene glycol) blend as an eco-benign separator and binder for quasi-solid-state supercapacitor applications. <i>Sustainable Energy and Fuels</i> , <b>2019</b> , 3, 760-773	3.9	4
82		5.8	21

81	Mild acidic mixed electrolyte for high-performance electrical double layer capacitor. <i>Applied Surface Science</i> , <b>2019</b> , 489, 867-874	6.7	5
80	Carbon Supported and Nafion Stabilized Copper (II) Based 1D Coordination Polymer as an Electrocatalyst for Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, F3193-F3201	3.9	7
79	Activated carbon from sugarcane bagasse as a potential positive electrode catalyst for vanadium redox flow battery. <i>Materials Letters</i> , <b>2019</b> , 247, 63-66	3.3	10
78	Paper-Based Disposable Zinc-Vanadium Fuel Cell for Micropower Applications. <i>ChemistrySelect</i> , <b>2019</b> , 4, 8398-8403	1.8	4
77	Sodalite-type Cu-based Three-dimensional Metal-Organic Framework for Efficient Oxygen Reduction Reaction. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 4814-4818	4.5	6
76	Cobalt-Based Coordination Polymer for Oxygen Reduction Reaction. <i>ACS Omega</i> , <b>2018</b> , 3, 3830-3834	3.9	27
75	Computational Investigation of the Influence of Bridge Conjugation Order of Thiophene and Thiazole Units in Triphenylamine Based Dyes in Dye-Sensitized Solar Cells. <i>ChemistrySelect</i> , <b>2018</b> , 3, 3582-3590	1.8	6
74	Synthesis and DSSC application of triazole bridged dendrimers with benzoheterazole surface groups. <i>Solar Energy</i> , <b>2018</b> , 166, 379-389	6.8	5
73	Synthesis and DSSC application of donor-acceptor stilbenoid dendrimers with triphenylamine as core and benzothiazole as surface unit. <i>Organic Electronics</i> , <b>2018</b> , 56, 192-200	3.5	8
72	Synthesis, optical properties, and antioxidant and anticancer activity of benzoheterazole dendrimers with triazole bridging unit. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 3282-3292	3.6	15
71	Exploring the role of the spacers and acceptors on the triphenylamine-based dyes for dye-sensitized solar cells. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 4691-4705	6.7	17
70	Sodium Naphthalene Dicarboxylate Anode Material for Inorganic-Organic Hybrid Rechargeable Sodium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A175-A180	3.9	18
69	Redox-Active Copper-Benzotriazole Stacked Multiwalled Carbon Nanotubes for the Oxygen Reduction Reaction. <i>ChemElectroChem</i> , <b>2018</b> , 5, 1837-1847	4.3	6
68	Design of Cone-Shaped Hole Transporting Material Organic Structures for Perovskite Solar Cells Applications. <i>ChemistrySelect</i> , <b>2018</b> , 3, 8159-8166	1.8	3
67	Synthesis, Photophysical, Electrochemical Properties, DFT Studies and DSSC Performance of BODIPY Cored Triazole Bridged 3,6-Ditertiary Butyl Carbazole Decorated Dendrimers. <i>ChemistrySelect</i> , <b>2018</b> , 3, 9222-9231	1.8	3
66	N- and P-co-doped Graphite Felt Electrode for Improving Positive Electrode Chemistry of the Vanadium Redox Flow Battery. <i>ChemistrySelect</i> , <b>2018</b> , 3, 8678-8687	1.8	8
65	Carbon supported g-C <sub>3</sub> N <sub>4</sub> for electrochemical sensing of hydrazine. <i>Electrochemical Energy Technology</i> , <b>2018</b> , 4, 21-31	4	4
64	Iron(III) chloride-benzotriazole adduct for oxygen reduction reaction in alkaline medium. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 4754-4762	6.7	11

63	Redox Active Cobalt-Bipyridine Metal Organic Framework-Nafion Coated Carbon Nanotubes for Sensing Ascorbic Acid. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, B603-B609	3.9	13
62	Iron-Dicyano Dichloro Quinone Primary Battery. <i>ChemistrySelect</i> , <b>2018</b> , 3, 10281-10286	1.8	0
61	Effect of Flexible, Rigid Planar and Non-Planar Donors on the Performance of Dye-Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, H845-H860	3.9	13
60	Selective Sensing of the Biotinyl Moiety Using Molecularly Imprinted Polyaniline Nanowires. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, B669-B678	3.9	5
59	Glycination: A Simple Strategy to Enhance the Cycling Performance of Perylene Dianhydride for Secondary Li-Ion Battery Applications. <i>ChemistrySelect</i> , <b>2018</b> , 3, 10657-10662	1.8	4
58	Chemical Vapor Deposition-Grown Nickel-Encapsulated N-Doped Carbon Nanotubes as a Highly Active Oxygen Reduction Reaction Catalyst without Direct Metal-Nitrogen Coordination. <i>ACS Omega</i> , <b>2018</b> , 3, 13609-13620	3.9	11
57	A High Voltage Organic Redox Flow Battery with Redox Couples O <sub>2</sub> /Tetrabutylammonium Complex and Tris(4-bromophenyl)amine as Redox Active Species. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A2696-A2702	3.9	4
56	Efficient light harvesting in dye sensitized solar cells using broadband surface plasmon resonance of silver nanoparticles with varied shapes and sizes. <i>Materials Letters</i> , <b>2017</b> , 193, 288-291	3.3	8
55	On In Situ Redox Balancing of Vanadium Redox Flow Battery Using D-Fructose as Negative Electrolyte Additive. <i>ChemistrySelect</i> , <b>2017</b> , 2, 720-727	1.8	10
54	Flexible paper-based borohydride-vanadium fuel cell for powering micro-nanosystems. <i>Ionics</i> , <b>2017</b> , 23, 1811-1817	2.7	12
53	Rational Functionalization of Perylene Diimide for Stable Capacity and Long-term Cycling Performance for Li-ion Batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 232, 244-253	6.7	22
52	Novel ethynyl-pyrene substituted phenothiazine based metal free organic dyes in DSSC with 12% conversion efficiency. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 10289-10300	13	79
51	Understanding the photo-electrochemistry of metal-free di and tri substituted thiophene-based organic dyes in dye-sensitized solar cells using DFT/TD-DFT studies. <i>Ionics</i> , <b>2017</b> , 23, 3545-3554	2.7	15
50	Introduction of Carbonyl Groups: An Approach to Enhance Electrochemical Performance of Conjugated Dicarboxylate for Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, A1720-A1725	3.9	9
49	Lithium salt of biphenyl tetracarboxylate as an anode material for Li/Na-ion batteries. <i>Applied Surface Science</i> , <b>2017</b> , 418, 9-16	6.7	13
48	A non-platinum counter electrode, Mn <sub>x</sub> /C, for dye-sensitized solar cell applications. <i>Applied Surface Science</i> , <b>2017</b> , 418, 179-185	6.7	10
47	Synthesis, photophysical and electrochemical properties and DSSC applications of triphenylamine chalcone dendrimers via click chemistry. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 11238-11249	3.6	13
46	Aquotriss(benzotriazole)sulfatocopper(II).benzotriazole Framework Assembled on Multiwalled Carbon Nanotubes through π-π Interaction for H <sub>2</sub> O <sub>2</sub> Sensing in pH 7 Buffer Solution. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, B591-B601	3.9	7

45	Synthesis and application of stilbenoid phenothiazine dendrimers as additives for dye-sensitized solar cells. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 2117-2124	7.8	11
44	Metal-Organic Complexes, [Co(bpy) <sub>3</sub> ](NO <sub>3</sub> ) <sub>2</sub> and [Co(bpy) <sub>2</sub> NO <sub>3</sub> ](NO <sub>3</sub> ) <sub>5</sub> ·5H <sub>2</sub> O, for Oxygen Reduction Reaction. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, F1022-F1029	3.9	13
43	Green, Seed-Mediated Synthesis of Au Nanowires and Their Efficient Electrocatalytic Activity in Oxygen Reduction Reaction. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 28876-28886	9.5	6
42	Ternary lithium molybdenum oxide, Li <sub>2</sub> Mo <sub>4</sub> O <sub>13</sub> : A new potential anode material for high-performance rechargeable lithium-ion batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 258, 1445-1452	6.7	12
41	Electrochemically synthesized molecularly imprinted polythiophene nanostructures as recognition elements for an aspirin-chemosensor. <i>Sensors and Actuators B: Chemical</i> , <b>2017</b> , 253, 428-436	8.5	16
40	Effect of Protonated Amine Molecules on the Oxygen Reduction Reaction on Metal-Nitrogen-Carbon-Based Catalysts. <i>Electrocatalysis</i> , <b>2017</b> , 8, 74-85	2.7	6
39	Reversible Sodium Storage Behavior of Aromatic Diimide Disodium Carboxylates. <i>Journal of the Electrochemical Society</i> , <b>2017</b> , 164, A6147-A6153	3.9	10
38	In-situ carbon coated CuCo <sub>2</sub> S <sub>4</sub> anode material for Li-ion battery applications. <i>Applied Surface Science</i> , <b>2017</b> , 418, 30-39	6.7	26
37	Nanocrystalline Na <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> : A New High Performance Anode Material. <i>Electrochimica Acta</i> , <b>2016</b> , 215, 192-199	6.7	10
36	Nitrogen Functionalized Few Layer Graphene Derived from Metal-Organic Compound: A Catalyst for Oxygen Reduction Reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 216, 457-466	6.7	11
35	Probing oxygen reduction and oxygen evolution reactions on bifunctional non-precious metal catalysts for metal-air batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 71122-71133	3.7	19
34	DFT/TD-DFT Studies of Metal-Free N-Annulated Perylene Based Organic Sensitizers for Dye-Sensitized Solar Cells: Is Thiophene Spacer Essential for Improving the DSSC Performance?. <i>ChemistrySelect</i> , <b>2016</b> , 1, 5854-5862	1.8	19
33	A DSSC with an Efficiency of ~10 %: Fermi Level Manipulation Impacting the Electron Transport at the Photoelectrode-Electrolyte Interface. <i>ChemistrySelect</i> , <b>2016</b> , 1, 6179-6187	1.8	5
32	Synthesis, photophysical, electrochemical, and DSSC application of novel donor-acceptor triazole bridged dendrimers with a triphenylamine core and benzoheterazole as a surface unit. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 10246-10258	3.6	11
31	Disodium dimolybdate: a potential high-performance anode material for rechargeable sodium ion battery applications. <i>Journal of Solid State Electrochemistry</i> , <b>2016</b> , 20, 1501-1505	2.6	12
30	Metal-free bipolar/octupolar organic dyes for DSSC application: A combined experimental and theoretical approach. <i>Organic Electronics</i> , <b>2016</b> , 36, 177-184	3.5	21
29	Carbon-supported Co(III) dimer for oxygen reduction reaction in alkaline medium. <i>Ionics</i> , <b>2016</b> , 22, 2183-2194	2.7	9
28	Highly Active and Durable Non-Precious Metal Catalyst for the Oxygen Reduction Reaction in Acidic Medium. <i>Journal of the Electrochemical Society</i> , <b>2016</b> , 163, F539-F547	3.9	25



27	Reversible lithium storage behaviour of aromatic diimide dilithium carboxylates. <i>Electrochimica Acta</i> , <b>2016</b> , 193, 80-87	6.7	25
26	Multifunctional copper dimer: structure, band gap energy, catalysis, magnetism, oxygen reduction reaction and proton conductivity. <i>RSC Advances</i> , <b>2016</b> , 6, 37515-37521	3.7	7
25	Controlling the Nitrogen Content of Metal-Nitrogen-Carbon Based Non-Precious-Metal Electrocatalysts via Selenium Addition. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, F475-F482	3.9	24
24	Improved electrochemical performance of lithium/sodium perylene-3,4,9,10-tetracarboxylate as an anode material for secondary rechargeable batteries. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 14925-14931	6.7	31
23	Synthesis, Photo-physical and Electrochemical Properties of Dendrimers with (S)-BINOL Core and Benzothiazole Surface Unit. <i>Australian Journal of Chemistry</i> , <b>2015</b> , 68, 93	1.2	2
22	Synthesis of benzothiazoleBenzoxazole dendrimers with triazole as bridging unit and their application in dye-sensitized solar cells. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 3692	3.6	12
21	Enhanced performance of dye-sensitized solar cell using triazole based phenothiazine dendrimers as additives. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13941	13	19
20	Influence of triazole dendritic additives in electrolytes on dye-sensitized solar cell (DSSC) performance. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 7700		31
19	Synthesis and DSSC application of novel dendrimers with benzothiazole and triazole units. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 5812-5816	2	24
18	Nitrogen Precursor Effects in Iron-Nitrogen-Carbon Oxygen Reduction Catalysts. <i>Electrochemical and Solid-State Letters</i> , <b>2011</b> , 14, B55		52
17	Synthesis and Dye-sensitized Solar Cell Application of Polyolefinic Aromatic Molecules with Pyrene as Surface Group. <i>Australian Journal of Chemistry</i> , <b>2011</b> , 64, 951	1.2	2
16	CH <sub>3</sub> OH Oxidation Activities of an Unsupported PtRu Powder Catalyst before and after Different Electrochemical Treatments. <i>ECS Transactions</i> , <b>2010</b> , 28, 91-104	1	
15	Non-precious oxygen reduction catalysts prepared by high-pressure pyrolysis for low-temperature fuel cells. <i>Applied Catalysis B: Environmental</i> , <b>2009</b> , 92, 209-216	21.8	108
14	Methanol Anode Modified by Semipermeable Membrane for Mixed-Feed Direct Methanol Fuel Cells. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, B865	3.9	10
13	A Direct Borohydride/Hydrogen Peroxide Fuel Cell with Reduced Alkali Crossover. <i>Fuel Cells</i> , <b>2007</b> , 7, 225-231	2.9	59
12	Tailoring a PtRu catalyst for enhanced methanol electro-oxidation. <i>Journal of Power Sources</i> , <b>2006</b> , 157, 45-55	8.9	72
11	A 28-W portable direct borohydrideHydrogen peroxide fuel-cell stack. <i>Journal of Power Sources</i> , <b>2006</b> , 162, 1073-1076	8.9	78
10	An alkaline direct borohydride fuel cell with hydrogen peroxide as oxidant. <i>Journal of Power Sources</i> , <b>2005</b> , 143, 1-8	8.9	183

9	Electrooxidation of ascorbic acid on polyaniline and its implications to fuel cells. <i>Journal of Power Sources</i> , <b>2005</b> , 145, 16-20	8.9	44
8	Advances in Mixed-Reactant Fuel Cells. <i>Fuel Cells</i> , <b>2005</b> , 5, 436-447	2.9	58
7	Electro-reduction of hydrogen peroxide on iron tetramethoxy phenyl porphyrin and lead sulfate electrodes with application in direct borohydride fuel cells. <i>Journal of Applied Electrochemistry</i> , <b>2005</b> , 35, 1157-1161	2.6	50
6	A Solid-polymer Electrolyte Direct Methanol Fuel Cell with a Methanol-tolerant Cathode and its Mathematical Modelling. <i>Journal of Applied Electrochemistry</i> , <b>2004</b> , 34, 1029-1038	2.6	12
5	Carbon-supported PtFe alloy as a methanol-resistant oxygen-reduction catalyst for direct methanol fuel cells. <i>Journal of Electroanalytical Chemistry</i> , <b>2004</b> , 563, 181-190	4.1	150
4	A High Output Voltage Direct Borohydride Fuel Cell. <i>Electrochemical and Solid-State Letters</i> , <b>2004</b> , 7, A488		100
3	Methanol-Resistant Oxygen-Reduction Catalysts for Direct Methanol Fuel Cells. <i>Annual Review of Materials Research</i> , <b>2003</b> , 33, 155-168	12.8	148
2	An improved-performance liquid-feed solid-polymer-electrolyte direct methanol fuel cell operating at near-ambient conditions. <i>Electrochimica Acta</i> , <b>2002</b> , 47, 3401-3407	6.7	66
1	Combination of redox-active natural indigo dye and bio-derived carbon from ridge gourd fruit for high-performance asymmetric supercapacitors. <i>Ionics</i> , 1	2.7	0