

# Claudio Gerbaldi

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6264008/claudio-gerbaldi-publications-by-year.pdf>

**Version:** 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

154  
papers

8,177  
citations

59  
h-index

85  
g-index

161  
ext. papers

9,180  
ext. citations

7.1  
avg. IF

6.49  
L-index

#	Paper	IF	Citations
154	Li <sub>1.4</sub> Al <sub>0.4</sub> Ge <sub>0.4</sub> Ti <sub>1.4</sub> (PO <sub>4</sub> ) <sub>3</sub> promising NASICON-structured glass-ceramic electrolyte for all-solid-state Li-based batteries: Unravelling the effect of diboron trioxide. <i>Journal of the European Ceramic Society</i> , <b>2022</b> , 42, 1023-1032	6	1
153	Self-assembly of Li single-ion-conducting block copolymers for improved conductivity and viscoelastic properties. <i>Electrochimica Acta</i> , <b>2022</b> , 413, 140126	6.7	2
152	Effect of Thermal Stabilization on PAN-Derived Electrospun Carbon Nanofibers for CO Capture. <i>Polymers</i> , <b>2021</b> , 13,	4.5	1
151	Nanocast nitrogen-containing ordered mesoporous carbons from glucosamine for selective CO <sub>2</sub> capture. <i>Materials Today Sustainability</i> , <b>2021</b> , 100089	5	2
150	Xanthan-Based Hydrogel for Stable and Efficient Quasi-Solid Truly Aqueous Dye-Sensitized Solar Cell with Cobalt Mediator. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000823	7.1	38
149	Unveiling Oxygen Redox Activity in P2-Type Na <sub>x</sub> Ni <sub>0.25</sub> Mn <sub>0.68</sub> O <sub>2</sub> High-Energy Cathode for Na-Ion Batteries. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2470-2480	20.1	16
148	Unique Carbonate-Based Single Ion Conducting Block Copolymers Enabling High-Voltage, All-Solid-State Lithium Metal Batteries. <i>Macromolecules</i> , <b>2021</b> , 54, 6911-6924	5.5	8
147	Enabling safe and stable Li metal batteries with protic ionic liquid electrolytes and high voltage cathodes. <i>Journal of Power Sources</i> , <b>2021</b> , 481, 228979	8.9	8
146	Waste to life: Low-cost, self-standing, 2D carbon fiber green Li-ion battery anode made from end-of-life cotton textile. <i>Electrochimica Acta</i> , <b>2021</b> , 368, 137644	6.7	7
145	Xanthan-Based Hydrogel for Stable and Efficient Quasi-Solid Truly Aqueous Dye-Sensitized Solar Cell with Cobalt Mediator. <i>Solar Rrl</i> , <b>2021</b> , 5, 2170074	7.1	6
144	Role of surface defects in CO <sub>2</sub> adsorption and activation on CuFeO <sub>2</sub> delafossite oxide. <i>Molecular Catalysis</i> , <b>2020</b> , 496, 111181	3.3	17
143	6 Carbon from waste source for Li-ion battery <b>2020</b> , 153-180		
142	Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> -Supported Electrospun Carbon Nanofiber Nonwoven Fabric as Self-Standing Na-Ion Cell Cathode. <i>ChemElectroChem</i> , <b>2020</b> , 7, 1652-1659	4.3	11
141	A water-based and metal-free dye solar cell exceeding 7% efficiency using a cationic poly(3,4-ethylenedioxythiophene) derivative. <i>Chemical Science</i> , <b>2020</b> , 11, 1485-1493	9.4	75
140	Polymer-in-Ceramic Nanocomposite Solid Electrolyte for Lithium Metal Batteries Encompassing PEO-Grafted TiO <sub>2</sub> Nanocrystals. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 070535	3.9	18
139	Photoelectrochromic devices with cobalt redox electrolytes. <i>Materials Today Energy</i> , <b>2020</b> , 15, 100365	7	42
138	Graphene and Lithium-Based Battery Electrodes: A Review of Recent Literature. <i>Energies</i> , <b>2020</b> , 13, 48673.1	3.1	16

137	Photoanodes for Aqueous Solar Cells: Exploring Additives and Formulations Starting from a Commercial TiO Paste. <i>ChemSusChem</i> , <b>2020</b> , 13, 6562-6573	8.3	52
136	A bilayer polymer electrolyte encompassing pyrrolidinium-based RTIL for binder-free silicon few-layer graphene nanocomposite anodes for Li-ion battery. <i>Electrochemistry Communications</i> , <b>2020</b> , 118, 106807	5.1	5
135	Recent advances in eco-friendly and cost-effective materials towards sustainable dye-sensitized solar cells. <i>Green Chemistry</i> , <b>2020</b> , 22, 7168-7218	10	147
134	Sodium diffusion in ionic liquid-based electrolytes for Na-ion batteries: the effect of polarizable force fields. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 20114-20122	3.6	3
133	Solvent-Free Mechanochemical Approach towards Thiospinel MgCr <sub>2</sub> S <sub>4</sub> as a Potential Electrode for Post-Lithium Ion Batteries. <i>Batteries</i> , <b>2020</b> , 6, 43	5.7	0
132	Protic Ionic Liquids-Based Crosslinked Polymer Electrolytes: A New Class of Solid Electrolytes for Energy Storage Devices. <i>Energy Technology</i> , <b>2020</b> , 8, 2000742	3.5	7
131	Hydrogel Electrolytes Based on Xanthan Gum: Green Route towards Stable Dye-Sensitized Solar Cells. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	84
130	First-principles study of Na insertion at TiO <sub>2</sub> anatase surfaces: new hints for Na-ion battery design. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 2745-2751	5.1	47
129	Poly(glycidyl ether)s recycling from industrial waste and feasibility study of reuse as electrolytes in sodium-based batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 382, 122934	14.7	59
128	PEO/LAGP hybrid solid polymer electrolytes for ambient temperature lithium batteries by solvent-free, one pot preparation. <i>Journal of Energy Storage</i> , <b>2019</b> , 26, 100947	7.8	71
127	Boosting the efficiency of aqueous solar cells: A photoelectrochemical estimation on the effectiveness of TiCl <sub>4</sub> treatment. <i>Electrochimica Acta</i> , <b>2019</b> , 302, 31-37	6.7	70
126	Understanding the Effect of UV-Induced Cross-Linking on the Physicochemical Properties of Highly Performing PEO/LiTFSI-Based Polymer Electrolytes. <i>Langmuir</i> , <b>2019</b> , 35, 8210-8219	4	74
125	Managing transport properties in composite electrodes/electrolytes for all-solid-state lithium-based batteries. <i>Molecular Systems Design and Engineering</i> , <b>2019</b> , 4, 850-871	4.6	21
124	Ambipolar suppression of superconductivity by ionic gating in optimally doped BaFe <sub>2</sub> (As,P) <sub>2</sub> ultrathin films. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	9
123	UV-Cross-Linked Composite Polymer Electrolyte for High-Rate, Ambient Temperature Lithium Batteries. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 1600-1607	6.1	76
122	Innovative multipolymer electrolyte membrane designed by oxygen inhibited UV-crosslinking enables solid-state in plane integration of energy conversion and storage devices. <i>Energy</i> , <b>2019</b> , 166, 789-795	7.9	71
121	Room temperature ionic liquid (RTIL)-based electrolyte cocktails for safe, high working potential Li-based polymer batteries. <i>Journal of Power Sources</i> , <b>2019</b> , 412, 398-407	8.9	81
120	Finely tuning electrolytes and photoanodes in aqueous solar cells by experimental design. <i>Solar Energy</i> , <b>2018</b> , 163, 251-255	6.8	83

119	Combined Structural, Chemometric, and Electrochemical Investigation of Vertically Aligned TiO Nanotubes for Na-ion Batteries. <i>ACS Omega</i> , <b>2018</b> , 3, 8440-8450	3.9	78
118	Design of ionic liquid like monomers towards easy-accessible single-ion conducting polymer electrolytes. <i>European Polymer Journal</i> , <b>2018</b> , 107, 218-228	5.2	24
117	Metal organic framework laden poly(ethylene oxide) based composite electrolytes for all-solid-state Li-S and Li-metal polymer batteries. <i>Electrochimica Acta</i> , <b>2018</b> , 285, 355-364	6.7	84
116	Chapter 16:Photopolymers for Third-generation Solar Cells. <i>RSC Polymer Chemistry Series</i> , <b>2018</b> , 504-523	1.3	1
115	Patterning dye-sensitized solar cell photoanodes through a polymeric approach: A perspective. <i>Materials Science in Semiconductor Processing</i> , <b>2018</b> , 73, 92-98	4.3	62
114	Tuning optical and electronic properties in novel carbazole photosensitizers for p-type dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2018</b> , 292, 805-816	6.7	55
113	Spray-Dried Mesoporous Mixed Cu-Ni Oxide@Graphene Nanocomposite Microspheres for High Power and Durable Li-Ion Battery Anodes. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1802438	21.8	62
112	Caesium for Perovskite Solar Cells: An Overview. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 12183-12205	4.8	100
111	Carrier mobility and scattering lifetime in electric double-layer gated few-layer graphene. <i>Applied Surface Science</i> , <b>2017</b> , 395, 37-41	6.7	15
110	Single Ion Conducting Polymer Electrolytes Based On Versatile Polyurethanes. <i>Electrochimica Acta</i> , <b>2017</b> , 241, 526-534	6.7	61
109	A flexible and portable powerpack by solid-state supercapacitor and dye-sensitized solar cell integration. <i>Journal of Power Sources</i> , <b>2017</b> , 359, 311-321	8.9	105
108	Unveiling the controversial mechanism of reversible Na storage in TiO <sub>2</sub> nanotube arrays: Amorphous versus anatase TiO <sub>2</sub> . <i>Nano Research</i> , <b>2017</b> , 10, 2891-2903	10	78
107	Weak localization in electric-double-layer gated few-layer graphene. <i>2D Materials</i> , <b>2017</b> , 4, 035006	5.9	18
106	Paper-based quasi-solid dye-sensitized solar cells. <i>Electrochimica Acta</i> , <b>2017</b> , 237, 87-93	6.7	85
105	Gallium oxide nanorods as novel, safe and durable anode material for Li- and Na-ion batteries. <i>Electrochimica Acta</i> , <b>2017</b> , 235, 143-149	6.7	23
104	Approaching truly sustainable solar cells by the use of water and cellulose derivatives. <i>Green Chemistry</i> , <b>2017</b> , 19, 1043-1051	10	89
103	Interfacial Effects in Solid-Liquid Electrolytes for Improved Stability and Performance of Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37797-37803	9.5	63
102	Single-ion triblock copolymer electrolytes based on poly(ethylene oxide) and methacrylic sulfonamide blocks for lithium metal batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 364, 191-199	8.9	92

101	Light-cured polymer electrolytes for safe, low-cost and sustainable sodium-ion batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 365, 293-302	8.9	82
100	Photoanode/Electrolyte Interface Stability in Aqueous Dye-Sensitized Solar Cells. <i>Energy Technology</i> , <b>2017</b> , 5, 300-311	3.5	63
99	Luminescent Downshifting by Photo-Induced Sol-Gel Hybrid Coatings: Accessing Multifunctionality on Flexible Organic Photovoltaics via Ambient Temperature Material Processing. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600288	6.4	73
98	Super Soft All-Ethylene Oxide Polymer Electrolyte for Safe All-Solid Lithium Batteries. <i>Scientific Reports</i> , <b>2016</b> , 6, 19892	4.9	245
97	A simple route toward next-gen green energy storage concept by nanofibres-based self-supporting electrodes and a solid polymeric design. <i>Carbon</i> , <b>2016</b> , 107, 811-822	10.4	70
96	Nanocellulose-laden composite polymer electrolytes for high performing lithium-sulphur batteries. <i>Energy Storage Materials</i> , <b>2016</b> , 3, 69-76	19.4	87
95	Thermally cured semi-interpenetrating electrolyte networks (s-IPN) for safe and aging-resistant secondary lithium polymer batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 306, 258-267	8.9	85
94	Cobalt-Based Electrolytes for Dye-Sensitized Solar Cells: Recent Advances towards Stable Devices. <i>Energies</i> , <b>2016</b> , 9, 384	3.1	80
93	A New Design Paradigm for Smart Windows: Photocurable Polymers for Quasi-Solid Photoelectrochromic Devices with Excellent Long-Term Stability under Real Outdoor Operating Conditions. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1127-1137	15.6	100
92	Natural Polymers for Dye-Sensitized Solar Cells: Electrolytes and Electrodes <b>2016</b> , 1-17		1
91	Floating, Flexible Polymeric Dye-Sensitized Solar-Cell Architecture: The Way of Near-Future Photovoltaics. <i>Advanced Materials Technologies</i> , <b>2016</b> , 1,	6.8	14
90	Truly quasi-solid-state lithium cells utilizing carbonate free polymer electrolytes on engineered LiFePO <sub>4</sub> . <i>Electrochimica Acta</i> , <b>2016</b> , 199, 172-179	6.7	22
89	Single-Ion Block Copoly(ionic liquid)s as Electrolytes for All-Solid State Lithium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 10350-9	9.5	188
88	Unveiling iodine-based electrolytes chemistry in aqueous dye-sensitized solar cells. <i>Chemical Science</i> , <b>2016</b> , 7, 4880-4890	9.4	76
87	Superconducting Transition Temperature Modulation in NbN via EDL Gating. <i>Journal of Superconductivity and Novel Magnetism</i> , <b>2016</b> , 29, 587-591	1.5	15
86	Single-Ion Conducting Polymer Electrolytes for Lithium Metal Polymer Batteries that Operate at Ambient Temperature. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 678-682	20.1	195
85	Improving efficiency and stability of perovskite solar cells with photocurable fluoropolymers. <i>Science</i> , <b>2016</b> , 354, 203-206	33.3	599
84	Aqueous processing of paper separators by filtration dewatering: towards Li-ion paper batteries. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 14894-14901	13	31

83	Cellulose-based novel hybrid polymer electrolytes for green and efficient Na-ion batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 174, 185-190	6.7	103
82	Mesoporous Si and Multi-Layered Si/C Films by Pulsed Laser Deposition as Li-Ion Microbattery Anodes. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, A1816-A1822	3.9	11
81	Zinc oxide nanostructures by chemical vapour deposition as anodes for Li-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 640, 321-326	5.7	71
80	Temperature dependence of electric transport in few-layer graphene under large charge doping induced by electrochemical gating. <i>Scientific Reports</i> , <b>2015</b> , 5, 9554	4.9	24
79	Aqueous dye-sensitized solar cells. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 3431-73	58.5	339
78	Remarkably stable high power Li-ion battery anodes based on vertically arranged multilayered-graphene. <i>Electrochimica Acta</i> , <b>2015</b> , 182, 500-506	6.7	11
77	Degradable photopolymerized thiol-based solid polymer electrolytes towards greener Li-ion batteries. <i>Polymer</i> , <b>2015</b> , 75, 64-72	3.9	9
76	Direct light-induced polymerization of cobalt-based redox shuttles: an ultrafast way towards stable dye-sensitized solar cells. <i>Chemical Communications</i> , <b>2015</b> , 51, 16308-11	5.8	63
75	Ultrafast, low temperature microwave-assisted solvothermal synthesis of nanostructured lithium iron phosphate optimized by a chemometric approach. <i>Electrochimica Acta</i> , <b>2015</b> , 184, 381-386	6.7	9
74	UV-cured Al <sub>2</sub> O <sub>3</sub> -laden cellulose reinforced polymer electrolyte membranes for Li-based batteries. <i>Electrochimica Acta</i> , <b>2015</b> , 153, 97-105	6.7	19
73	As-grown vertically aligned amorphous TiO <sub>2</sub> nanotube arrays as high-rate Li-based micro-battery anodes with improved long-term performance. <i>Electrochimica Acta</i> , <b>2015</b> , 151, 222-229	6.7	59
72	Photopolymer Electrolytes for Sustainable, Upscalable, Safe, and Ambient-Temperature Sodium-Ion Secondary Batteries. <i>ChemSusChem</i> , <b>2015</b> , 8, 3668-76	8.3	68
71	Newly Elaborated Multipurpose Polymer Electrolyte Encompassing RTILs for Smart Energy-Efficient Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 12961-71	9.5	65
70	Surfactant-assisted mild solvothermal synthesis of nanostructured LiFePO <sub>4</sub> /C cathodes evidencing ultrafast rate capability. <i>Electrochimica Acta</i> , <b>2015</b> , 156, 188-198	6.7	15
69	Pilot-scale elaboration of graphite/microfibrillated cellulose anodes for Li-ion batteries by spray deposition on a forming paper sheet. <i>Chemical Engineering Journal</i> , <b>2014</b> , 243, 372-379	14.7	24
68	Fe <sub>2</sub> O <sub>3</sub> lithium battery anodes by nanocasting strategy from ordered 2D and 3D templates. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 615, S482-S486	5.7	7
67	Flexible and high performing polymer electrolytes obtained by UV-induced polymer/cellulose grafting. <i>RSC Advances</i> , <b>2014</b> , 4, 40873-40881	3.7	9
66	Highly Porous Paper Loading with Microfibrillated Cellulose by Spray Coating on Wet Substrates. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2014</b> , 53, 10982-10989	3.9	31

65	Electrochemistry of orthosilicate-based lithium battery cathodes: a perspective. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 10353-66	3.6	24
64	Innovative high performing metal organic framework (MOF)-laden nanocomposite polymer electrolytes for all-solid-state lithium batteries. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 9948-9954	13	142
63	Cycling behaviour of sponge-like nanostructured ZnO as thin-film Li-ion battery anodes. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 615, S454-S458	5.7	32
62	Mesoporous TiO <sub>2</sub> nanocrystals produced by a fast hydrolytic process as high-rate long-lasting Li-ion battery anodes. <i>Acta Materialia</i> , <b>2014</b> , 69, 60-67	8.4	35
61	Surfactant-assisted sol gel preparation of high-surface area mesoporous TiO <sub>2</sub> nanocrystalline Li-ion battery anodes. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 594, 114-121	5.7	32
60	Cellulose/acrylate membranes for flexible lithium batteries electrolytes: Balancing improved interfacial integrity and ionic conductivity. <i>European Polymer Journal</i> , <b>2014</b> , 57, 22-29	5.2	15
59	Structure-Performance Correlation of Nanocellulose-Based Polymer Electrolytes for Efficient Quasi-solid DSSCs. <i>ChemElectroChem</i> , <b>2014</b> , 1, 1241-1241	4.3	2
58	Structure-Performance Correlation of Nanocellulose-Based Polymer Electrolytes for Efficient Quasi-solid DSSCs. <i>ChemElectroChem</i> , <b>2014</b> , 1, 1350-1358	4.3	60
57	Mesoporous Silicon Nanostructures by Pulsed Laser Deposition as Li-Ion Battery Anodes. <i>ECS Transactions</i> , <b>2014</b> , 62, 107-115	1	4
56	Multi-functional energy conversion and storage electrodes using flower-like Zinc oxide nanostructures. <i>Energy</i> , <b>2014</b> , 65, 639-646	7.9	76
55	MgAl <sub>2</sub> SiO <sub>6</sub> -incorporated poly(ethylene oxide)-based electrolytes for all-solid-state lithium batteries. <i>Ionics</i> , <b>2014</b> , 20, 151-156	2.7	20
54	Montmorillonite-based ceramic membranes as novel lithium-ion battery separators. <i>Ionics</i> , <b>2014</b> , 20, 943-948	2.7	24
53	Cellulose-based Li-ion batteries: a review. <i>Cellulose</i> , <b>2013</b> , 20, 1523-1545	5.5	209
52	Nanoscale microfibrillated cellulose reinforced truly-solid polymer electrolytes for flexible, safe and sustainable lithium-based batteries. <i>Cellulose</i> , <b>2013</b> , 20, 2439-2449	5.5	23
51	Cellulose/graphite/carbon fibres composite electrodes for Li-ion batteries. <i>Composites Science and Technology</i> , <b>2013</b> , 87, 232-239	8.6	20
50	Towards green, efficient and durable quasi-solid dye-sensitized solar cells integrated with a cellulose-based gel-polymer electrolyte optimized by a chemometric DoE approach. <i>RSC Advances</i> , <b>2013</b> , 3, 15993	3.7	73
49	Huge field-effect surface charge injection and conductance modulation in metallic thin films by electrochemical gating. <i>Applied Surface Science</i> , <b>2013</b> , 269, 17-22	6.7	17
48	High-rate V <sub>2</sub> O <sub>5</sub> -based Li-ion thin film polymer cell with outstanding long-term cyclability. <i>Nano Energy</i> , <b>2013</b> , 2, 1279-1286	17.1	23

47	Novel multiphase electrode/electrolyte composites for next generation of flexible polymeric Li-ion cells. <i>Journal of Applied Electrochemistry</i> , <b>2013</b> , 43, 137-145	2.6	13
46	Surfactant-assisted mild hydrothermal synthesis to nanostructured mixed orthophosphates LiMnyFe <sub>1-x</sub> PO <sub>4</sub> /C lithium insertion cathode materials. <i>Electrochimica Acta</i> , <b>2013</b> , 105, 99-109	6.7	21
45	Cycling profile of innovative nanochitin-incorporated poly (ethylene oxide) based electrolytes for lithium batteries. <i>Journal of Power Sources</i> , <b>2013</b> , 228, 294-299	8.9	43
44	A UV-crosslinked polymer electrolyte membrane for quasi-solid dye-sensitized solar cells with excellent efficiency and durability. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 3706-11	3.6	70
43	Vertically aligned TiO <sub>2</sub> nanotube array for high rate Li-based micro-battery anodes with improved durability. <i>Electrochimica Acta</i> , <b>2013</b> , 102, 233-239	6.7	41
42	Hybrid ordered mesoporous carbons doped with tungsten trioxide as supports for Pt electrocatalysts for methanol oxidation reaction. <i>Electrochimica Acta</i> , <b>2013</b> , 94, 80-91	6.7	56
41	Cycling profile of MgAl <sub>2</sub> O <sub>4</sub> -incorporated composite electrolytes composed of PEO and LiPF <sub>6</sub> for lithium polymer batteries. <i>Electrochimica Acta</i> , <b>2013</b> , 90, 179-185	6.7	82
40	Flexible cellulose/LiFePO <sub>4</sub> paper-cathodes: toward eco-friendly all-paper Li-ion batteries. <i>Cellulose</i> , <b>2013</b> , 20, 571-582	5.5	63
39	Facile fabrication of cuprous oxide nanocomposite anode films for flexible Li-ion batteries via thermal oxidation. <i>Electrochimica Acta</i> , <b>2012</b> , 70, 62-68	6.7	24
38	Smart synthesis of hollow core mesoporous shell carbons (HCMSC) as effective catalyst supports for methanol oxidation and oxygen reduction reactions. <i>Journal of Solid State Electrochemistry</i> , <b>2012</b> , 16, 3087-3096	2.6	32
37	Aqueous processing of cellulose based paper-anodes for flexible Li-ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 3227		73
36	Facile fabrication of cuprous oxide nanocomposite anode films for flexible Li-ion batteries via thermal oxidation. <i>Electrochimica Acta</i> , <b>2012</b> , 86, 323-329	6.7	27
35	New electrolyte membranes for Li-based cells: Methacrylic polymers encompassing pyrrolidinium-based ionic liquid by single step photo-polymerisation. <i>Journal of Membrane Science</i> , <b>2012</b> , 423-424, 459-467	9.6	25
34	UV-Induced Radical Photo-Polymerization: A Smart Tool for Preparing Polymer Electrolyte Membranes for Energy Storage Devices. <i>Membranes</i> , <b>2012</b> , 2, 307-24	3.8	2
33	Use of paper-making techniques for the production of Li-ion paper-batteries. <i>Nordic Pulp and Paper Research Journal</i> , <b>2012</b> , 27, 472-475	1.1	16
32	Large conductance modulation of gold thin films by huge charge injection via electrochemical gating. <i>Physical Review Letters</i> , <b>2012</b> , 108, 066807	7.4	50
31	UV-Induced Radical Photo-Polymerization: A Smart Tool for Preparing Polymer Electrolyte Membranes for Energy Storage Devices. <i>Membranes</i> , <b>2012</b> , 2, 687-704	3.8	11
30	Microfibrillated cellulose as reinforcement for Li-ion battery polymer electrolytes with excellent mechanical stability. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 10280-10288	8.9	89



29	Novel cellulose reinforcement for polymer electrolyte membranes with outstanding mechanical properties. <i>Electrochimica Acta</i> , <b>2011</b> , 57, 104-111	6.7	37
28	Facile functionalization by E-stacking of macroscopic substrates made of vertically aligned carbon nanotubes: Tracing reactive groups by electrochemiluminescence. <i>Electrochimica Acta</i> , <b>2011</b> , 56, 9269-9276	6.7	3
27	Methacrylic-based solid polymer electrolyte membranes for lithium-based batteries by a rapid UV-curing process. <i>Reactive and Functional Polymers</i> , <b>2011</b> , 71, 409-416	4.6	58
26	Membranes for lithium batteries <b>2011</b> , 435-464		2
25	Metallopolymer capacitor in "one pot" by self-directed UV-assisted process. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 3192-200	9.5	14
24	Microfibrillated cellulose-graphite nanocomposites for highly flexible paper-like Li-ion battery electrodes. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7344		107
23	An elegant and facile single-step UV-curing approach to surface nano-silvering of polymer composites. <i>Soft Matter</i> , <b>2010</b> , 6, 4666	3.6	21
22	Polyethylene oxide electrolyte membranes with pyrrolidinium-based ionic liquids. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 5478-5484	6.7	42
21	UV-cured polymer electrolytes encompassing hydrophobic room temperature ionic liquid for lithium batteries. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 1706-1713	8.9	76
20	All-solid-state lithium-based polymer cells for high-temperature applications. <i>Ionics</i> , <b>2010</b> , 16, 777-786	2.7	27
19	Lithium ion conducting PVdF-HFP composite gel electrolytes based on N-methoxyethyl-N-methylpyrrolidinium bis(trifluoromethanesulfonyl)-imide ionic liquid. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 559-566	8.9	202
18	Novel self-directed dual surface metallisation via UV-curing technique for flexible polymeric capacitors. <i>Organic Electronics</i> , <b>2010</b> , 11, 1802-1808	3.5	11
17	UV-curable siloxane-acrylate gel-copolymer electrolytes for lithium-based battery applications. <i>Electrochimica Acta</i> , <b>2010</b> , 55, 1460-1467	6.7	60
16	Ordered Mesoporous Carbons as Catalyst Support for PEM Fuel Cells. <i>Fuel Cells</i> , <b>2009</b> , 9, 197-200	2.9	29
15	Nanostructured Electrodes and Gel-Polymer Electrolyte for an Improved Li-ion Battery. <i>Fuel Cells</i> , <b>2009</b> , 9, 273-276	2.9	5
14	PBI Composite and Nanocomposite Membranes for PEMFCs: The Role of the Filler. <i>Fuel Cells</i> , <b>2009</b> , 9, 231-236	2.9	52
13	Pyridine-based PBI Composite Membranes for PEMFCs. <i>Fuel Cells</i> , <b>2009</b> , 9, 349-355	2.9	56
12	Mechanochemical synthesis and electrochemical properties of nanostructured electrode materials for Li ion batteries. <i>Journal of Solid State Electrochemistry</i> , <b>2009</b> , 13, 239-243	2.6	9

11	Highly ionic conducting methacrylic-based gel-polymer electrolytes by UV-curing technique. <i>Journal of Applied Electrochemistry</i> , <b>2009</b> , 39, 2199-2207	2.6	36
10	Pd/SiO <sub>2</sub> as Heterogeneous Catalyst for the Heck Reaction: Evidence for a Sensitivity to the Surface Structure of Supported Particles. <i>Catalysis Letters</i> , <b>2009</b> , 132, 50-57	2.8	15
9	Optimisation of some parameters for the preparation of nanostructured LiFePO <sub>4</sub> /C cathode. <i>Ionics</i> , <b>2009</b> , 15, 19-26	2.7	46
8	UV-cured polymer electrolyte membranes for Li-cells: Improved mechanical properties by a novel cellulose reinforcement. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 1796-1798	5.1	35
7	Development of gel-polymer electrolytes and nano-structured electrodes for Li-ion polymer batteries. <i>Journal of Applied Electrochemistry</i> , <b>2008</b> , 38, 985-992	2.6	12
6	Mesoporous carbons as low temperature fuel cell platinum catalyst supports. <i>Journal of Applied Electrochemistry</i> , <b>2008</b> , 38, 1019-1027	2.6	34
5	UV-cured methacrylic membranes as novel gel polymer electrolyte for Li-ion batteries. <i>Journal of Power Sources</i> , <b>2008</b> , 178, 751-757	8.9	75
4	FePO <sub>4</sub> nanoparticles supported on mesoporous SBA-15: Interesting cathode materials for Li-ion cells. <i>Journal of Power Sources</i> , <b>2007</b> , 174, 501-507	8.9	30
3	Hydrothermal synthesis of high surface LiFePO <sub>4</sub> powders as cathode for Li-ion cells. <i>Journal of Power Sources</i> , <b>2006</b> , 160, 516-522	8.9	206
2	Characterization of Mn species in mesoporous systems: An electrochemical study. <i>Electrochimica Acta</i> , <b>2005</b> , 50, 5539-5545	6.7	5
1	. <i>Advanced Energy Materials</i> , 2100785	21.8	16