# Jusef Hassoun

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

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|---|---|---|---|
| 186 papers | 16,082 citations | 58 h-index | 124 g-index |
| 194 ext. papers | 17,291 ext. citations | 8.4 avg, IF | 7.01 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 186 | Glyme-based electrolytes: suitable solutions for next-generation lithium batteries. *Green Chemistry*, **2022**, 24, 1021-1048 | 10 | 5 |
| 185 | Characteristics of a gold-doped electrode for application in high-performance lithium-sulfur battery. *Journal of Energy Chemistry*, **2022**, 64, 116-128 | 12 | 3 |
| 184 | A High-Voltage, Multi-Metal LiNi0.35Cu0.1Mn1.45Fe0.1O4 Spinel Cathode for Lithium Batteries. *Journal of the Electrochemical Society*, **2021**, 168, 030537 | 3.9 | 2 |
| 183 | Lithium-Metal Batteries Using Sustainable Electrolyte Media and Various Cathode Chemistries. *Energy & Fuels*, **2021**, 35, 10284-10292 | 4.1 | 3 |
| 182 | Synthesis of a High-Capacity □FeO@C Conversion Anode and a High-Voltage LiNiMnO Spinel Cathode and Their Combination in a Li-Ion Battery. *ACS Applied Energy Materials*, **2021**, 4, 8340-8349 | 6.1 | 2 |
| 181 | A Stable High-Capacity Lithium-Ion Battery Using a Biomass-Derived Sulfur-Carbon Cathode and Lithiated Silicon Anode. *ChemSusChem*, **2021**, 14, 3333-3343 | 8.3 | 7 |
| 180 | Degradation of Layered Oxide Cathode in a Sodium Battery: A Detailed Investigation by X-Ray Tomography at the Nanoscale.. *Small Methods*, **2021**, 5, e2100596 | 12.8 | 1 |
| 179 | Novel Lithium-Sulfur Polymer Battery Operating at Moderate Temperature. *ChemElectroChem*, **2021**, 8, 3971 | 4.3 | 2 |
| 178 | Towards a High-Performance Lithium-Metal Battery with Glyme Solution and an Olivine Cathode. *ChemElectroChem*, **2020**, 7, 2344-2344 | 4.3 | 5 |
| 177 | Investigating high-performance sulfur□metal nanocomposites for lithium batteries. *Sustainable Energy and Fuels*, **2020**, 4, 2907-2923 | 5.8 | 14 |
| 176 | Towards a High-Performance Lithium-Metal Battery with Glyme Solution and an Olivine Cathode. *ChemElectroChem*, **2020**, 7, 2376-2388 | 4.3 | 8 |
| 175 | Electrochemical behavior of nanostructured NiO@C anode in a lithium-ion battery using LiNi□Co□Mn□O2 cathode. *Journal of Alloys and Compounds*, **2020**, 844, 155365 | 5.7 | 4 |
| 174 | Alternative lithium-ion battery using biomass-derived carbons as environmentally sustainable anode. *Journal of Colloid and Interface Science*, **2020**, 573, 396-408 | 9.3 | 31 |
| 173 | An alternative composite polymer electrolyte for high performances lithium battery. *Journal of Power Sources*, **2020**, 449, 227508 | 8.9 | 13 |
| 172 | Investigation of Mn and Fe Substitution Effects on the Characteristics of High-Voltage LiCo1□MxPO4 (x = 0.1, 0.4) Cathodes Prepared by Sol□el Route. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 278-289 | 8.3 | 11 |
| 171 | Current status and future perspectives of lithium metal batteries. *Journal of Power Sources*, **2020**, 480, 228803 | 8.9 | 37 |
| 170 | The role of synthesis pathway on the microstructural characteristics of sulfur-carbon composites: X-ray imaging and electrochemistry in lithium battery. *Journal of Power Sources*, **2020**, 472, 228424 | 8.9 | 15 |

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| 169 | Lithium□Oxygen Battery Exploiting Highly Concentrated Glyme-Based Electrolytes. *ACS Applied Energy Materials*, **2020**, 3, 12263-12275 | 6.1 | 11 |
| 168 | Porous Cr2O3@C composite derived from metal organic framework in efficient semi-liquid lithium-sulfur battery. *Materials Chemistry and Physics*, **2020**, 255, 123484 | 4.4 | 10 |
| 167 | Triglyme-based electrolyte for sodium-ion and sodium-sulfur batteries. *Ionics*, **2019**, 25, 3129-3141 | 2.7 | 17 |
| 166 | X-ray Nano-computed Tomography of Electrochemical Conversion in Lithium-ion Battery. *ChemSusChem*, **2019**, 12, 3550-3561 | 8.3 | 10 |
| 165 | Glyme-based electrolytes for lithium metal batteries using insertion electrodes: An electrochemical study. *Electrochimica Acta*, **2019**, 306, 85-95 | 6.7 | 11 |
| 164 | Sulfur Loaded by Nanometric Tin as a New Electrode for High-Performance Lithium/Sulfur Batteries. *Energy Technology*, **2019**, 7, 1900081 | 3.5 | 10 |
| 163 | A single layer of Fe3O4@TiO2 submicron spheres as a high-performance electrode for lithium-ion microbatteries. *Sustainable Energy and Fuels*, **2019**, 3, 2675-2687 | 5.8 | 4 |
| 162 | Physical activation of graphene: An effective, simple and clean procedure for obtaining microporous graphene for high-performance Li/S batteries. *Nano Research*, **2019**, 12, 759-766 | 10 | 24 |
| 161 | High capacity semi-liquid lithium sulfur cells with enhanced reversibility for application in new-generation energy storage systems. *Journal of Power Sources*, **2019**, 412, 575-585 | 8.9 | 21 |
| 160 | A novel polymer electrolyte membrane for application in solid state lithium metal battery. *Solid State Ionics*, **2018**, 317, 97-102 | 3.3 | 14 |
| 159 | A Lithium-Ion Battery using a 3 D-Array Nanostructured Graphene-Sulfur Cathode and a Silicon Oxide-Based Anode. *ChemSusChem*, **2018**, 11, 1512-1520 | 8.3 | 41 |
| 158 | Enhanced Lithium Oxygen Battery Using a Glyme Electrolyte and Carbon Nanotubes. *ACS Applied Materials & Interfaces*, **2018**, 10, 16367-16375 | 9.5 | 17 |
| 157 | A simple approach for making a viable, safe, and high-performances lithium-sulfur battery. *Journal of Power Sources*, **2018**, 377, 26-35 | 8.9 | 48 |
| 156 | Multiwalled Carbon Nanotubes Anode in Lithium-Ion Battery with LiCoO2, Li[Ni1/3Co1/3Mn1/3]O2, and LiFe1/4Mn1/2Co1/4PO4 Cathodes. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3225-3232 | 8.3 | 39 |
| 155 | Low-Polarization Lithium-Oxygen Battery Using [DEME][TFSI] Ionic Liquid Electrolyte. *ChemSusChem*, **2018**, 11, 229-236 | 8.3 | 24 |
| 154 | Lithium Metal Battery Using LiFeMnPO Olivine Cathode and Pyrrolidinium-Based Ionic Liquid Electrolyte. *ACS Omega*, **2018**, 3, 8583-8588 | 3.9 | 10 |
| 153 | Lithium sulfur battery exploiting material design and electrolyte chemistry: 3D graphene framework and diglyme solution. *Journal of Power Sources*, **2018**, 397, 102-112 | 8.9 | 27 |
| 152 | New Electrode and Electrolyte Configurations for Lithium-Oxygen Battery. *Chemistry - A European Journal*, **2018**, 24, 3178-3185 | 4.8 | 9 |

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| 151 | Insight on the Enhanced Reversibility of a Multimetal Layered Oxide for Sodium-Ion Battery. *Journal of Physical Chemistry C*, **2018**, 122, 23925-23933 | 3.8 | 17 |
| 150 | The Role of Current Collector in Enabling the High Performance of Li/S Battery. *ChemistrySelect*, **2018**, 3, 10371-10377 | 1.8 | 15 |
| 149 | A New CuO-Fe O -Mesocarbon Microbeads Conversion Anode in a High-Performance Lithium-Ion Battery with a Li Ni Fe Mn O Spinel Cathode. *ChemSusChem*, **2017**, 10, 1607-1615 | 8.3 | 28 |
| 148 | Toward high energy density cathode materials for sodium-ion batteries: investigating the beneficial effect of aluminum doping on the P2-type structure. *Journal of Materials Chemistry A*, **2017**, 5, 4467-4477 | 13 | 83 |
| 147 | Lithium sulfur and lithium oxygen batteries: new frontiers of sustainable energy storage. *Sustainable Energy and Fuels*, **2017**, 1, 228-247 | 5.8 | 53 |
| 146 | Characteristics of glyme electrolytes for sodium battery: nuclear magnetic resonance and electrochemical study. *Electrochimica Acta*, **2017**, 231, 223-229 | 6.7 | 23 |
| 145 | Relevant Features of a Triethylene Glycol Dimethyl Ether-Based Electrolyte for Application in Lithium Battery. *ACS Applied Materials & Interfaces*, **2017**, 9, 17085-17095 | 9.5 | 19 |
| 144 | Nanostructured Na-ion and Li-ion anodes for battery application: A comparative overview. *Nano Research*, **2017**, 10, 3942-3969 | 10 | 63 |
| 143 | Graphene Decorated by Indium Sulfide Nanoparticles as High-Performance Anode for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2017**, 9, 23723-23730 | 9.5 | 38 |
| 142 | Lithium-ion batteries for sustainable energy storage: recent advances towards new cell configurations. *Green Chemistry*, **2017**, 19, 3442-3467 | 10 | 154 |
| 141 | A SiOx-Based Anode in a High-Voltage Lithium-Ion Battery. *ChemElectroChem*, **2017**, 4, 2164-2168 | 4.3 | 22 |
| 140 | Carbon Composites for a High-Energy Lithium Sulfur Battey with a Glyme-Based Electrolyte. *ChemElectroChem*, **2017**, 4, 209-215 | 4.3 | 22 |
| 139 | Electrochemical features of LiMnPO4 olivine prepared by sol-gel pathway. *Journal of Alloys and Compounds*, **2017**, 693, 730-737 | 5.7 | 34 |
| 138 | High-power lithium polysulfide-carbon battery. *Carbon*, **2016**, 96, 125-130 | 10.4 | 21 |
| 137 | Natural Abundance Oxygen-17 NMR Investigation of Lithium Ion Solvation in Glyme-based Electrolytes. *Electrochimica Acta*, **2016**, 213, 606-612 | 6.7 | 20 |
| 136 | Exceptional long-life performance of lithium-ion batteries using ionic liquid-based electrolytes. *Energy and Environmental Science*, **2016**, 9, 3210-3220 | 35.4 | 108 |
| 135 | Rechargeable lithium battery using non-flammable electrolyte based on tetraethylene glycol dimethyl ether and olivine cathodes. *Journal of Power Sources*, **2016**, 334, 146-153 | 8.9 | 39 |
| 134 | New lithium ion batteries exploiting conversion/alloying anode and LiFe0.25Mn0.5Co0.25PO4 olivine cathode. *Electrochimica Acta*, **2016**, 220, 384-390 | 6.7 | 13 |

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| 133 | Electrochemical Study of a CuO□arbon Conversion Anode in Ionic Liquid Electrolyte for Application in Li-Ion Batteries. *Energy Technology*, **2016**, 4, 700-705 | 3.5 | 9 |
| 132 | Understanding problems of lithiated anodes in lithium oxygen full-cells. *Journal of Materials Chemistry A*, **2016**, 4, 10467-10471 | 13 | 22 |
| 131 | A low-cost, high-energy polymer lithium-sulfur cell using a composite electrode and polyethylene oxide (PEO) electrolyte. *Ionics*, **2016**, 22, 2341-2346 | 2.7 | 10 |
| 130 | Characterization of a reversible, low-polarization sodium-oxygen battery. *Electrochimica Acta*, **2016**, 191, 516-520 | 6.7 | 20 |
| 129 | A gel polymer membrane for lithium-ion oxygen battery. *Solid State Ionics*, **2016**, 287, 22-27 | 3.3 | 20 |
| 128 | A sodium-ion battery exploiting layered oxide cathode, graphite anode and glyme-based electrolyte. *Journal of Power Sources*, **2016**, 310, 26-31 | 8.9 | 118 |
| 127 | Insight on the LiS electrochemical process in a composite configuration electrode. *New Journal of Chemistry*, **2016**, 40, 2935-2943 | 3.6 | 14 |
| 126 | Characteristics of an ionic liquid electrolyte for sodium-ion batteries. *Journal of Power Sources*, **2016**, 303, 203-207 | 8.9 | 77 |
| 125 | A Long-Life Lithium Ion Battery with Enhanced Electrode/Electrolyte Interface by Using an Ionic Liquid Solution. *Chemistry - A European Journal*, **2016**, 22, 6808-14 | 4.8 | 42 |
| 124 | A High Voltage Olivine Cathode for Application in Lithium-Ion Batteries. *ChemSusChem*, **2016**, 9, 223-30 | 8.3 | 28 |
| 123 | Lithium battery using sulfur infiltrated in three-dimensional flower-like hierarchical porous carbon electrode. *Materials Chemistry and Physics*, **2016**, 180, 82-88 | 4.4 | 21 |
| 122 | Quaternary Polyethylene Oxide Electrolytes Containing Ionic Liquid for Lithium Polymer Battery. *Journal of the Electrochemical Society*, **2016**, 163, A1175-A1180 | 3.9 | 14 |
| 121 | High Voltage Li-Ion Battery Using Exfoliated Graphite/Graphene Nanosheets Anode. *ACS Applied Materials & Interfaces*, **2016**, 8, 10850-7 | 9.5 | 49 |
| 120 | Investigation of the electrochemical features of carbon-coated TiO2 anode for application in lithium-ion battery using high voltage LiNi0.5Mn1.5O4 spinel cathode. *Electrochimica Acta*, **2016**, 201, 158-164 | 6.7 | 4 |
| 119 | All solid-state battery using layered oxide cathode, lithium-carbon composite anode and thio-LISICON electrolyte. *Solid State Ionics*, **2016**, 296, 13-17 | 3.3 | 30 |
| 118 | A lithium-ion sulfur battery using a polymer, polysulfide-added membrane. *Scientific Reports*, **2015**, 5, 7591 | 4.9 | 50 |
| 117 | A comparative study of layered transition metal oxide cathodes for application in sodium-ion battery. *ACS Applied Materials & Interfaces*, **2015**, 7, 5206-12 | 9.5 | 133 |
| 116 | Polysulfide-containing Glyme-based Electrolytes for Lithium Sulfur Battery. *Chemistry of Materials*, **2015**, 27, 4604-4611 | 9.6 | 91 |

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| 115 | A long-life lithium ion sulfur battery exploiting high performance electrodes. *Chemical Communications*, **2015**, 51, 14540-2 | 5.8 | 34 |
| 114 | Novel configuration of poly(vinylidenedifluoride)-based gel polymer electrolyte for application in lithium-ion batteries. *Journal of Power Sources*, **2015**, 294, 180-186 | 8.9 | 83 |
| 113 | High surface area, mesoporous carbon for low-polarization, catalyst-free lithium oxygen battery. *Solid State Ionics*, **2015**, 278, 133-137 | 3.3 | 11 |
| 112 | A Lithium-Ion Battery based on an Ionic Liquid Electrolyte, Tin□carbon Nanostructured Anode, and Li2O□ZrO2-Coated Li[Ni0.8Co0.15Al0.05]O2 Cathode. *Energy Technology*, **2015**, 3, 632-637 | 3.5 | 26 |
| 111 | Characteristics of a Graphene Nanoplatelet Anode in Advanced Lithium-Ion Batteries Using Ionic Liquid Added by a Carbonate Electrolyte. *Advanced Materials Interfaces*, **2015**, 2, 1500085 | 4.6 | 19 |
| 110 | Highly Cyclable Lithium-Sulfur Batteries with a Dual-Type Sulfur Cathode and a Lithiated Si/SiOx Nanosphere Anode. *Nano Letters*, **2015**, 15, 2863-8 | 11.5 | 102 |
| 109 | A QuaternaryPoly(ethylene carbonate)-Lithium Bis(trifluoromethanesulfonyl)imide-Ionic Liquid-Silica Fiber Composite Polymer Electrolyte for Lithium Batteries. *Electrochimica Acta*, **2015**, 175, 134-140 | 6.7 | 64 |
| 108 | Interphase Evolution of a Lithium-Ion/Oxygen Battery. *ACS Applied Materials & Interfaces*, **2015**, 7, 22638-43 | 9.5 | 46 |
| 107 | Polyethylene glycol dimethyl ether (PEGDME)-based electrolyte for lithium metal battery. *Journal of Power Sources*, **2015**, 299, 460-464 | 8.9 | 33 |
| 106 | Graphene Nanoplatelets: Characteristics of a Graphene Nanoplatelet Anode in Advanced Lithium-Ion Batteries Using Ionic Liquid Added by a Carbonate Electrolyte (Adv. Mater. Interfaces 8/2015). *Advanced Materials Interfaces*, **2015**, 2, n/a-n/a | 4.6 | 1 |
| 105 | Review□Advances in Anode and Electrolyte Materials for the Progress of Lithium-Ion and beyond Lithium-Ion Batteries. *Journal of the Electrochemical Society*, **2015**, 162, A2582-A2588 | 3.9 | 89 |
| 104 | High capacity tin□ron oxide-carbon nanostructured anode for advanced lithium ion battery. *Journal of Power Sources*, **2015**, 299, 611-616 | 8.9 | 23 |
| 103 | Lithium Transport Properties in LiMn1□eP□O4 Olivine Cathodes. *Journal of Physical Chemistry C*, **2015**, 119, 20855-20863 | 3.8 | 48 |
| 102 | A Gel-Polymer Sn-C/LiMn0.5Fe0.5PO4 Battery Using a Fluorine-Free Salt. *ACS Applied Materials & Interfaces*, **2015**, 7, 21198-207 | 9.5 | 25 |
| 101 | The lithium/air battery: still an emerging system or a practical reality?. *Advanced Materials*, **2015**, 27, 784-800 | 24 | 471 |
| 100 | Nanostructured tin□arbon/ LiNi0.5Mn1.5O4 lithium-ion battery operating at low temperature. *Journal of Power Sources*, **2015**, 275, 227-233 | 8.9 | 33 |
| 99 | A new Sn-C/LiFe0.1Co0.9PO4 full lithium-ion cell with ionic liquid-based electrolyte. *Materials Letters*, **2015**, 139, 329-332 | 3.3 | 31 |
| 98 | A Polymer Lithium-Oxygen Battery. *Scientific Reports*, **2015**, 5, 12307 | 4.9 | 40 |

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| 97 | High-Capacity NiO@Mesocarbon Microbeads) Conversion Anode for Lithium-Ion Battery. *ChemElectroChem*, **2015**, 2, 988-994 | 4.3 | 30 |
| 96 | An Advanced Lithium-Ion Sulfur Battery for High Energy Storage. *Advanced Energy Materials*, **2015**, 5, 1500481 | 21.8 | 84 |
| 95 | A rechargeable sodium-ion battery using a nanostructured SbO anode and P2-type layered Na0.6Ni0.22Fe0.11Mn0.66O2 cathode. *RSC Advances*, **2015**, 5, 48928-48934 | 3.7 | 49 |
| 94 | Comparative Study of Ether-Based Electrolytes for Application in Lithium-Sulfur Battery. *ACS Applied Materials & Interfaces*, **2015**, 7, 13859-65 | 9.5 | 76 |
| 93 | Transition metal oxide-carbon composites as conversion anodes for sodium-ion battery. *Electrochimica Acta*, **2015**, 173, 613-618 | 6.7 | 69 |
| 92 | A lithium-ion oxygen battery using a polyethylene glyme electrolyte mixed with an ionic liquid. *RSC Advances*, **2015**, 5, 21360-21365 | 3.7 | 29 |
| 91 | Electrochemical properties of a poly(ethylene carbonate)-LiTFSI electrolyte containing a pyrrolidinium-based ionic liquid. *Ionics*, **2015**, 21, 895-900 | 2.7 | 43 |
| 90 | All Solid-State Lithium–Sulfur Battery Using a Glass-Type P2S5–Li2S Electrolyte: Benefits on Anode Kinetics. *Journal of the Electrochemical Society*, **2015**, 162, A646-A651 | 3.9 | 173 |
| 89 | Electrochemical characteristics of iron oxide nanowires during lithium-promoted conversion reaction. *Journal of Power Sources*, **2014**, 256, 133-136 | 8.9 | 23 |
| 88 | Sodium-ion battery based on an electrochemically converted NaFePO4 cathode and nanostructured tin-carbon anode. *ChemPhysChem*, **2014**, 15, 2152-5 | 3.2 | 50 |
| 87 | In-situ gelled electrolyte for lithium battery: Electrochemical and Raman characterization. *Journal of Power Sources*, **2014**, 245, 232-235 | 8.9 | 7 |
| 86 | Polyethylene oxide electrolyte added by silane-functionalized TiO2 filler for lithium battery. *Solid State Ionics*, **2014**, 268, 174-178 | 3.3 | 13 |
| 85 | An advanced lithium-air battery exploiting an ionic liquid-based electrolyte. *Nano Letters*, **2014**, 14, 6572-7 | 11.5 | 178 |
| 84 | Stable, high voltage Li0.85Ni0.46Cu0.1Mn1.49O4 spinel cathode in a lithium-ion battery using a conversion-type CuO anode. *ACS Applied Materials & Interfaces*, **2014**, 6, 5206-11 | 9.5 | 34 |
| 83 | A new, high energy Sn-C/Li[Li(0.2)Ni(0.4)/3Co(0.4)/3Mn(1.6/3)]O2 lithium-ion battery. *ACS Applied Materials & Interfaces*, **2014**, 6, 12956-61 | 9.5 | 30 |
| 82 | High Performance Na0.5[Ni0.23Fe0.13Mn0.63]O2 Cathode for Sodium-Ion Batteries. *Advanced Energy Materials*, **2014**, 4, 1400083 | 21.8 | 182 |
| 81 | An advanced lithium-ion battery based on a graphene anode and a lithium iron phosphate cathode. *Nano Letters*, **2014**, 14, 4901-6 | 11.5 | 347 |
| 80 | Influence of the porosity degree of poly(vinylidene fluoride-co-hexafluoropropylene) separators in the performance of Li-ion batteries. *Journal of Power Sources*, **2014**, 263, 29-36 | 8.9 | 31 |

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| 79 | Characteristics of Li2S8-tetraglyme catholyte in a semi-liquid lithium–sulfur battery. *Journal of Power Sources*, **2014**, 265, 14-19 | 8.9 | 63 |
| 78 | Role of the Lithium Salt in the Performance of Lithium–Oxygen Batteries: A Comparative Study. *ChemElectroChem*, **2014**, 1, 47-50 | 4.3 | 38 |
| 77 | Advanced Na[Ni0.25Fe0.5Mn0.25]O2/C-Fe3O4 sodium-ion batteries using EMS electrolyte for energy storage. *Nano Letters*, **2014**, 14, 1620-6 | 11.5 | 241 |
| 76 | A lithium-ion sulfur battery based on a carbon-coated lithium-sulfide cathode and an electrodeposited silicon-based anode. *ACS Applied Materials & Interfaces*, **2014**, 6, 10924-8 | 9.5 | 108 |
| 75 | Lithium Batteries: Status and Future **2014**, 121-162 | | |
| 74 | Reduction phases of thin iron-oxide nanowires upon thermal treatment and Li exposure. *Journal of Applied Physics*, **2014**, 115, 163701 | 2.5 | |
| 73 | A lithium ion battery exploiting a composite Fe2O3 anode and a high voltage Li1.35Ni0.48Fe0.1Mn1.72O4 cathode. *RSC Advances*, **2014**, | 3.7 | 5 |
| 72 | Lithiation of an Iron Oxide-Based Anode for Stable, High-Capacity Lithium-Ion Batteries of Porous Carbon–Fe3O4/Li[Ni0.59Co0.16Mn0.25]O2. *Energy Technology*, **2014**, 2, 778-785 | 3.5 | 38 |
| 71 | An Advanced Lithium-Sulfur Battery. *Advanced Functional Materials*, **2013**, 23, 1076-1080 | 15.6 | 284 |
| 70 | Lithium Batteries: from early stages to the future **2013**, 21-38 | | 6 |
| 69 | Kinetics of the Oxygen Electrode in Lithium–Air Cells **2013**, 233-264 | | |
| 68 | Hybrid membranes based on sulfated titania nanoparticles as low-cost proton conductors. *Ionics*, **2013**, 19, 1203-1206 | 2.7 | 10 |
| 67 | Progress in lithium-sulfur batteries: the effective role of a polysulfide-added electrolyte as buffer to prevent cathode dissolution. *ChemSusChem*, **2013**, 6, 2245-8 | 8.3 | 64 |
| 66 | A new, high performance CuO/LiNi0.5Mn1.5O4 lithium-ion battery. *Journal of Materials Chemistry A* , **2013**, 1, 15329 | 13 | 44 |
| 65 | Electrochemical performance of a graphene nanosheets anode in a high voltage lithium-ion cell. *Physical Chemistry Chemical Physics*, **2013**, 15, 20444-6 | 3.6 | 25 |
| 64 | Lithium-Sulfur Batteries: An Advanced Lithium-Sulfur Battery (Adv. Funct. Mater. 8/2013). *Advanced Functional Materials*, **2013**, 23, 1092-1092 | 15.6 | 2 |
| 63 | Alternative materials for sodium ion–sulphur batteries. *Journal of Materials Chemistry A*, **2013**, 1, 5256 | 13 | 127 |
| 62 | An advanced sodium-ion rechargeable battery based on a tin-carbon anode and a layered oxide framework cathode. *Physical Chemistry Chemical Physics*, **2013**, 15, 3827-33 | 3.6 | 81 |

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| 61 | Poly(ethylenglycol)dimethylether–lithium bis(trifluoromethanesulfonyl)imide, PEG500DME–LiTFSI, as high viscosity electrolyte for lithium ion batteries. *Journal of Power Sources*, **2013**, 226, 329-333 | 8.9 | 36 |
| 60 | A lithium–sulfur battery using a solid, glass-type P2S5–Li2S electrolyte. *Solid State Ionics*, **2013**, 244, 48-51 | 3.3 | 113 |
| 59 | A structural, spectroscopic and electrochemical study of a lithium ion conducting Li10GeP2S12 solid electrolyte. *Journal of Power Sources*, **2013**, 229, 117-122 | 8.9 | 67 |
| 58 | Magnetism in lithium-oxygen discharge product. *ChemSusChem*, **2013**, 6, 1196-202 | 8.3 | 22 |
| 57 | Investigation of the carbon electrode changes during lithium oxygen cell operation in a tetraglyme-based electrolyte. *Electrochemistry Communications*, **2013**, 34, 250-253 | 5.1 | 20 |
| 56 | Enhanced lithium battery with polyethylene oxide-based electrolyte containing silane-Al2 O3 ceramic filler. *ChemSusChem*, **2013**, 6, 1400-5 | 8.3 | 42 |
| 55 | Composite poly(ethylene oxide) electrolytes plasticized by N-alkyl-N-butylpyrrolidinium bis(trifluoromethanesulfonyl)imide for lithium batteries. *ChemSusChem*, **2013**, 6, 1037-43 | 8.3 | 56 |
| 54 | Influence of temperature on lithium-oxygen battery behavior. *Nano Letters*, **2013**, 13, 2971-5 | 11.5 | 52 |
| 53 | Mechanically milled, nanostructured SnC composite anode for lithium ion battery. *Electrochimica Acta*, **2013**, 90, 690-694 | 6.7 | 28 |
| 52 | Lithium–Air and Other Batteries Beyond Lithium-Ion Batteries **2013**, 161-190 | | 3 |
| 51 | A tetraethylene glycol dimethylether-lithium bis(oxalate)borate (TEGDME-LiBOB) electrolyte for advanced lithium ion batteries. *Electrochemistry Communications*, **2012**, 14, 43-46 | 5.1 | 29 |
| 50 | A contribution to the progress of high energy batteries: A metal-free, lithium-ion, silicon–sulfur battery. *Journal of Power Sources*, **2012**, 202, 308-313 | 8.9 | 146 |
| 49 | The role of AlF3 coatings in improving electrochemical cycling of Li-enriched nickel-manganese oxide electrodes for Li-ion batteries. *Advanced Materials*, **2012**, 24, 1192-6 | 24 | 558 |
| 48 | In-Situ X-Ray Diffraction Study of the Li-Alloying Electrochemical Process in a Tin-Carbon Nanocomposite Electrode. *Nanoscience and Nanotechnology Letters*, **2012**, 4, 132-135 | 0.8 | 3 |
| 47 | Silicon-based nanocomposite for advanced thin film anodes in lithium-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 1556-1561 | | 24 |
| 46 | Nickel-Layer Protected, Carbon-Coated Sulfur Electrode for Lithium Battery. *Journal of the Electrochemical Society*, **2012**, 159, A390-A395 | 3.9 | 27 |
| 45 | An advanced configuration TiO2/LiFePO4 polymer lithium ion battery. *Journal of Power Sources*, **2012**, 217, 459-463 | 8.9 | 20 |
| 44 | A high power Sn–C/C–LiFePO4 lithium ion battery. *Journal of Power Sources*, **2012**, 217, 72-76 | 8.9 | 58 |

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| 43 | Reversible NaFePO4 electrode for sodium secondary batteries. *Electrochemistry Communications*, **2012**, 22, 149-152 | 5.1 | 294 |
| 42 | A metal-free, lithium-ion oxygen battery: a step forward to safety in lithium-air batteries. *Nano Letters*, **2012**, 12, 5775-9 | 11.5 | 141 |
| 41 | A transmission electron microscopy study of the electrochemical process of lithium-oxygen cells. *Nano Letters*, **2012**, 12, 4333-5 | 11.5 | 102 |
| 40 | An improved high-performance lithium-air battery. *Nature Chemistry*, **2012**, 4, 579-85 | 17.6 | 909 |
| 39 | A high-rate long-life Li4Ti5O12/Li[Ni0.45Co0.1Mn1.45]O4 lithium-ion battery. *Nature Communications*, **2011**, 2, 516 | 17.4 | 301 |
| 38 | Lithium-ion batteries. A look into the future. *Energy and Environmental Science*, **2011**, 4, 3287 | 35.4 | 1906 |
| 37 | A lithium ion battery using nanostructured SnO anode, LiFePO4 cathode and polyethylene oxide-based electrolyte. *Solid State Ionics*, **2011**, 202, 36-39 | 3.3 | 35 |
| 36 | An advanced lithium ion battery based on high performance electrode materials. *Journal of the American Chemical Society*, **2011**, 133, 3139-43 | 16.4 | 340 |
| 35 | Electrochemical behaviour of Sn and SnO composite electrodes in LiBOB containing electrolytes. *Journal of Power Sources*, **2011**, 196, 349-354 | 8.9 | 24 |
| 34 | Rechargeable lithium sulfide electrode for a polymer tin/sulfur lithium-ion battery. *Journal of Power Sources*, **2011**, 196, 343-348 | 8.9 | 132 |
| 33 | Investigation of the O2 Electrochemistry in a Polymer Electrolyte Solid-State Cell. *Angewandte Chemie*, **2011**, 123, 3055-3058 | 3.6 | 33 |
| 32 | Investigation of the O2 electrochemistry in a polymer electrolyte solid-state cell. *Angewandte Chemie - International Edition*, **2011**, 50, 2999-3002 | 16.4 | 209 |
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