

Myung-Hyun Ryou

List of Publications by Year in descending order

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111
papers

6,370
citations

81900

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69250

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117
all docs

117
docs citations

117
times ranked

7050
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | Highly improved thermal stability of the ceramic coating layer on the polyethylene separator via chemical crosslinking between ceramic particles and polymeric binders. <i>Chemical Engineering Journal</i> , 2022, 433, 134501. | 12.7 | 18 |
| 2 | Upgrading the Properties of Ceramic-Coated Separators for Lithium Secondary Batteries by Changing the Mixing Order of the Water-Based Ceramic Slurry Components. <i>Batteries</i> , 2022, 8, 64. | 4.5 | 5 |
| 3 | Submicron interlayer for stabilizing thin Li metal powder electrode. <i>Chemical Engineering Journal</i> , 2021, 406, 126834. | 12.7 | 12 |
| 4 | Hybrid gel polymer electrolyte based on 1-methyl-1-Propylpyrrolidinium Bis(Trifluoromethanesulfonyl) imide for flexible and shape-variant lithium secondary batteries. <i>Journal of Membrane Science</i> , 2021, 621, 119018. | 8.2 | 39 |
| 5 | Robust Cycling of Ultrathin Li Metal Enabled by Nitrate-Preplanted Li Powder Composite. <i>Advanced Energy Materials</i> , 2021, 11, 2003769. | 19.5 | 48 |
| 6 | Li Metal Batteries: Robust Cycling of Ultrathin Li Metal Enabled by Nitrate-Preplanted Li Powder Composite (<i>Adv. Energy Mater.</i> 18/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170072. | 19.5 | 2 |
| 7 | Synergistic Effect of a Dual-Salt Liquid Electrolyte with a LiNO ₃ Functional Additive toward Stabilizing Thin-Film Li Metal Electrodes for Li Secondary Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 31605-31613. | 8.0 | 14 |
| 8 | Large-area surface-patterned Li metal anodes fabricated using large, flexible patterning stamps for Li metal secondary batteries. <i>Journal of Power Sources</i> , 2021, 514, 230553. | 7.8 | 6 |
| 9 | Eco-Friendly Water-Processable Polyimide Binders with High Adhesion to Silicon Anodes for Lithium-Ion Batteries. <i>Nanomaterials</i> , 2021, 11, 3164. | 4.1 | 13 |
| 10 | Mechanical robustness of composite electrode for lithium ion battery: Insight into entanglement & crystallinity of polymeric binder. <i>Electrochimica Acta</i> , 2020, 332, 135471. | 5.2 | 23 |
| 11 | Highly Stable Porous Polyimide Sponge as a Separator for Lithium-Metal Secondary Batteries. <i>Nanomaterials</i> , 2020, 10, 1976. | 4.1 | 6 |
| 12 | Microalgae-Templated Spray Drying for Hierarchical and Porous Fe ₃ O ₄ /C Composite Microspheres as Li-ion Battery Anode Materials. <i>Nanomaterials</i> , 2020, 10, 2074. | 4.1 | 8 |
| 13 | Scaffold-structured polymer binders for long-term cycle performance of stabilized lithium-powder electrodes. <i>Electrochimica Acta</i> , 2020, 364, 136878. | 5.2 | 14 |
| 14 | Toward understanding the real mechanical robustness of composite electrode impregnated with a liquid electrolyte. <i>Applied Materials Today</i> , 2020, 21, 100809. | 4.3 | 7 |
| 15 | Sensitivity of power of lithium-ion batteries to temperature: A case study using cylindrical- and pouch-type cells. <i>Journal of Power Sources</i> , 2020, 465, 228238. | 7.8 | 9 |
| 16 | Design of Thin-Film Interlayer between Silicon Electrode and Current Collector Using a Chemo-Mechanical Degradation Model. <i>Journal of the Electrochemical Society</i> , 2020, 167, 080542. | 2.9 | 5 |
| 17 | Hybrid Effect of Micropatterned Lithium Metal and Three Dimensionally Ordered Macroporous Polyimide Separator on the Cycle Performance of Lithium Metal Batteries. <i>ACS Applied Energy Materials</i> , 2020, 3, 3721-3727. | 5.1 | 14 |
| 18 | Structure-Controlled Li Metal Electrodes for Post-Lithium-Ion Batteries: Recent Progress and Perspectives. <i>Advanced Materials Interfaces</i> , 2020, 7, 1902113. | 3.7 | 33 |

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|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | High-Rate Cycling of Lithium-Metal Batteries Enabled by Dual-Salt Electrolyte-Assisted Micropatterned Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31777-31785. | 8.0 | 20 |
| 20 | Tuning sodium nucleation and stripping by the mixed surface of carbon nanotube-sodium composite electrodes for improved reversibility. <i>Journal of Power Sources</i> , 2019, 438, 227005. | 7.8 | 15 |
| 21 | Effect of the Quantity of Liquid Electrolyte on Self-Healing Electrostatic Shield Mechanism of CsPF ₆ Additive for Li Metal Anodes. <i>ACS Omega</i> , 2019, 4, 11724-11727. | 3.5 | 16 |
| 22 | Surface Reinforcing Balloon Trick-Inspired Separator/Li Metal Integrated Assembly To Improve the Electrochemical Performance of Li Metal Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 43122-43129. | 8.0 | 9 |
| 23 | Thin and porous polymer membrane-based electrochromic devices. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1042-1047. | 5.5 | 14 |
| 24 | Time-Effective Accelerated Cyclic Aging Analysis of Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 3714-3725. | 3.4 | 4 |
| 25 | Polydopamine-treated three-dimensional carbon fiber-coated separator for achieving high-performance lithium metal batteries. <i>Journal of Power Sources</i> , 2019, 430, 130-136. | 7.8 | 35 |
| 26 | Direct Fabrication of Nanodomes-Combined Surface Relief Gratings on Azobenzene Polymer Films with Controlled Shapes and Sizes. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2019, 57, 731-737. | 2.1 | 5 |
| 27 | Effect of Varying the Ratio of Carbon Black to Vapor-Grown Carbon Fibers in the Separator on the Performance of Li-S Batteries. <i>Nanomaterials</i> , 2019, 9, 436. | 4.1 | 6 |
| 28 | Electrode design methodology for all-solid-state batteries: 3D structural analysis and performance prediction. <i>Energy Storage Materials</i> , 2019, 19, 124-129. | 18.0 | 26 |
| 29 | Understanding the Effect of Polydopamine Interlayer on the Long-Term Cycling Performance of Silicon Anodes: A Multiphysics-Based Model Study. <i>Batteries and Supercaps</i> , 2019, 2, 541-550. | 4.7 | 4 |
| 30 | Suppression of dendrites and granules in surface-patterned Li metal anodes using CsPF ₆ . <i>Journal of Power Sources</i> , 2019, 413, 344-350. | 7.8 | 14 |
| 31 | A crosslinked nonwoven separator based on an organosoluble polyimide for high-performance lithium-ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 72, 390-399. | 5.8 | 36 |
| 32 | Crosslinkable polyhedral silsesquioxane-based ceramic-coated separators for Li-ion batteries. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 71, 277-283. | 5.8 | 15 |
| 33 | A Physics-Based Model Capacity Fade Analysis of LiMn ₂ O ₄ /Graphite Cell at Different Temperatures. <i>Journal of the Electrochemical Society</i> , 2019, 166, A5109-A5116. | 2.9 | 14 |
| 34 | Study on dead-Li suppression mechanism of Li-hosting vapor-grown-carbon-nanofiber-based protective layer for Li metal anodes. <i>Journal of Power Sources</i> , 2019, 409, 132-138. | 7.8 | 14 |
| 35 | Elucidating the Polymeric Binder Distribution within Lithium-Ion Battery Electrodes Using SAICAS. <i>ChemPhysChem</i> , 2018, 19, 1627-1634. | 2.1 | 18 |
| 36 | Effect of Al ₂ O ₃ ceramic fillers in LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ cathodes for improving high-voltage cycling and rate capability performance. <i>Electrochimica Acta</i> , 2018, 259, 578-586. | 5.2 | 27 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | A facile method to enhance the uniformity and adhesion properties of water-based ceramic coating layers on hydrophobic polyethylene separators. <i>Applied Surface Science</i> , 2018, 427, 139-146. | 6.1 | 50 |
| 38 | Size effects of micro-pattern on lithium metal surface on the electrochemical performance of lithium metal secondary batteries. <i>Journal of Power Sources</i> , 2018, 408, 136-142. | 7.8 | 20 |
| 39 | Composite protection layers for dendrite-suppressing non-granular micro-patterned lithium metal anodes. <i>Electrochimica Acta</i> , 2018, 282, 343-350. | 5.2 | 29 |
| 40 | A coupled chemo-mechanical model to study the effects of adhesive strength on the electrochemical performance of silicon electrodes for advanced lithium ion batteries. <i>Journal of Power Sources</i> , 2018, 407, 153-161. | 7.8 | 14 |
| 41 | Guided Lithium Deposition by Surface Micro-Patterning of Lithium-Metal Electrodes. <i>ChemElectroChem</i> , 2018, 5, 3169-3175. | 3.4 | 22 |
| 42 | Self-Healing Wide and Thin Li Metal Anodes Prepared Using Calendared Li Metal Powder for Improving Cycle Life and Rate Capability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16521-16530. | 8.0 | 29 |
| 43 | Enhancing the Cycling Stability of Sodium Metal Electrodes by Building an Inorganic-Organic Composite Protective Layer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6000-6006. | 8.0 | 124 |
| 44 | The effects of humidity on the self-discharge properties of $\text{Li}(\text{Ni}_{1/3}\text{Co}_{1/3}\text{Mn}_{1/3})\text{O}_2/\text{graphite}$ and $\text{LiCoO}_2/\text{graphite}$ lithium-ion batteries during storage. <i>RSC Advances</i> , 2017, 7, 10915-10921. | 3.6 | 22 |
| 45 | Effects of an Integrated Separator/Electrode Assembly on Enhanced Thermal Stability and Rate Capability of Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17814-17821. | 8.0 | 26 |
| 46 | A Flame-Retardant Composite Polymer Electrolyte for Lithium-Ion Polymer Batteries. <i>Electrochimica Acta</i> , 2017, 241, 553-559. | 5.2 | 60 |
| 47 | Comparative Study of the Adhesion Properties of Ceramic Composite Separators Using a Surface and Interfacial Cutting Analysis System for Lithium-Ion Batteries. <i>ACS Omega</i> , 2017, 2, 2159-2164. | 3.5 | 17 |
| 48 | Effect of Calcination Temperature on a P-type $\text{Na}_{0.6}\text{Mn}_{0.65}\text{Ni}_{0.25}\text{Co}_{0.10}\text{O}_2$ Cathode Material for Sodium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2017, 164, A6308-A6314. | 2.9 | 32 |
| 49 | Suppressing Lithium Dendrite Growth by Metallic Coating on a Separator. <i>Advanced Functional Materials</i> , 2017, 27, 1704391. | 14.9 | 141 |
| 50 | Highly rough copper current collector: improving adhesion property between a silicon electrode and current collector for flexible lithium-ion batteries. <i>RSC Advances</i> , 2017, 7, 35681-35686. | 3.6 | 39 |
| 51 | Recycling oil-extracted microalgal biomass residues into nano/micro hierarchical Sn/C composite anode materials for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 250, 59-67. | 5.2 | 35 |
| 52 | Improving the Cycling Performance of Lithium-Ion Battery Si/Graphite Anodes Using a Soluble Polyimide Binder. <i>ACS Omega</i> , 2017, 2, 8438-8444. | 3.5 | 35 |
| 53 | Semi-empirical long-term cycle life model coupled with an electrolyte depletion function for large-format graphite/LiFePO ₄ lithium-ion batteries. <i>Journal of Power Sources</i> , 2017, 365, 257-265. | 7.8 | 52 |
| 54 | Plasma-assisted water-based Al ₂ O ₃ ceramic coating for polyethylene-based microporous separators for lithium metal secondary batteries. <i>Electrochimica Acta</i> , 2016, 212, 649-656. | 5.2 | 76 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Sprayable Ultrafast Polydopamine Surface Modifications. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500857. | 3.7 | 99 |
| 56 | Effect of liquid oil additive on lithium-ion battery ceramic composite separator prepared with an aqueous coating solution. <i>Journal of Alloys and Compounds</i> , 2016, 675, 341-347. | 5.5 | 15 |
| 57 | Design optimization of LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ /graphite lithium-ion cells based on simulation and experimental data. <i>Journal of Power Sources</i> , 2016, 319, 147-158. | 7.8 | 62 |
| 58 | A Mathematical Model for Cyclic Aging of Spinel LiMn ₂ O ₄ /Graphite Lithium-Ion Cells. <i>Journal of the Electrochemical Society</i> , 2016, 163, A2757-A2767. | 2.9 | 31 |
| 59 | Dopamine as a Novel Electrolyte Additive for High-Voltage Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21366-21372. | 8.0 | 69 |
| 60 | Three-Dimensional Adhesion Map Based on Surface and Interfacial Cutting Analysis System for Predicting Adhesion Properties of Composite Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23688-23695. | 8.0 | 19 |
| 61 | Mussel-Inspired Polydopamine-Functionalized Super-P as a Conductive Additive for High-Performance Silicon Anodes. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600270. | 3.7 | 14 |
| 62 | Mussel-inspired Polydopamine-treated Copper Foil as a Current Collector for High-performance Silicon Anodes. <i>Scientific Reports</i> , 2016, 6, 30945. | 3.3 | 26 |
| 63 | In-depth correlation of separator pore structure and electrochemical performance in lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 325, 732-738. | 7.8 | 36 |
| 64 | Micro-Patterned Lithium Metal Anodes with Suppressed Dendrite Formation for Post Lithium-Ion Batteries. <i>Advanced Materials Interfaces</i> , 2016, 3, 1600140. | 3.7 | 149 |
| 65 | A water-based Al ₂ O ₃ ceramic coating for polyethylene-based microporous separators for lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 315, 161-168. | 7.8 | 123 |
| 66 | Comparative study on experiments and simulation of blended cathode active materials for lithium ion batteries. <i>Electrochimica Acta</i> , 2016, 187, 422-432. | 5.2 | 48 |
| 67 | New flame-retardant composite separators based on metal hydroxides for lithium-ion batteries. <i>Electrochimica Acta</i> , 2015, 157, 282-289. | 5.2 | 87 |
| 68 | Effect of back-side-coated electrodes on electrochemical performances of lithium-ion batteries. <i>Journal of Power Sources</i> , 2015, 275, 712-719. | 7.8 | 12 |
| 69 | Stabilizing effect of 2-(triphenylphosphoranylidene) succinic anhydride as electrolyte additive on the lithium metal of lithium metal secondary batteries. <i>Electrochimica Acta</i> , 2015, 170, 353-359. | 5.2 | 39 |
| 70 | Synergistic thermal stabilization of ceramic/co-polyimide coated polypropylene separators for lithium-ion batteries. <i>Journal of Power Sources</i> , 2015, 294, 537-544. | 7.8 | 108 |
| 71 | Highly Adhesive and Soluble Copolyimide Binder: Improving the Long-Term Cycle Life of Silicon Anodes in Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 14851-14858. | 8.0 | 96 |
| 72 | A facile approach to prepare biomimetic composite separators toward safety-enhanced lithium secondary batteries. <i>RSC Advances</i> , 2015, 5, 39392-39398. | 3.6 | 23 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 73 | A comparative investigation of carbon black (Super-P) and vapor-grown carbon fibers (VGCFs) as conductive additives for lithium-ion battery cathodes. <i>RSC Advances</i> , 2015, 5, 95073-95078. | 3.6 | 57 |
| 74 | Effect of LiFePO ₄ cathode density and thickness on electrochemical performance of lithium metal polymer batteries prepared by in situ thermal polymerization. <i>Electrochimica Acta</i> , 2015, 154, 149-156. | 5.2 | 17 |
| 75 | Mechanical Surface Modification of Lithium Metal: Towards Improved Li Metal Anode Performance by Directed Li Plating. <i>Advanced Functional Materials</i> , 2015, 25, 834-841. | 14.9 | 343 |
| 76 | Soluble Polyimide Binder for Silicon Electrodes in Lithium Secondary Batteries. <i>Applied Chemistry for Engineering</i> , 2015, 26, 674-680. | 0.2 | 3 |
| 77 | Computational Simulation on Power Prediction of Lithium Secondary Batteries by using Pulse-based Measurement Methods. <i>KEPCO Journal on Electric Power and Energy</i> , 2015, 1, 33-38. | 0.1 | 3 |
| 78 | Effect of Al ₂ O ₃ coatings prepared by RF sputtering on polyethylene separators for high-power lithium ion batteries. <i>Macromolecular Research</i> , 2014, 22, 1190-1195. | 2.4 | 58 |
| 79 | Enhanced cycling performance of lithium metal secondary batteries with succinic anhydride as an electrolyte additive. <i>Electrochimica Acta</i> , 2014, 115, 525-530. | 5.2 | 31 |
| 80 | Composite protective layer for Li metal anode in high-performance lithium-oxygen batteries. <i>Electrochemistry Communications</i> , 2014, 40, 45-48. | 4.7 | 120 |
| 81 | Graphite/Silicon Hybrid Electrodes using a 3D Current Collector for Flexible Batteries. <i>Advanced Materials</i> , 2014, 26, 2977-2982. | 21.0 | 53 |
| 82 | Binder-free metal fibril-supported Fe ₂ O ₃ anodes for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2906. | 10.3 | 15 |
| 83 | Large area multi-stacked lithium-ion batteries for flexible and rollable applications. <i>Journal of Materials Chemistry A</i> , 2014, 2, 10862-10868. | 10.3 | 48 |
| 84 | Measurement and Analysis of Adhesion Property of Lithium-Ion Battery Electrodes with SAICAS. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 526-531. | 8.0 | 88 |
| 85 | Chemical aspect of oxygen dissolved in a dimethyl sulfoxide-based electrolyte on lithium metal. <i>Electrochimica Acta</i> , 2014, 123, 419-425. | 5.2 | 61 |
| 86 | Improved high-temperature performance of lithium-ion batteries through use of a thermally stable co-polyimide-based cathode binder. <i>Journal of Power Sources</i> , 2014, 252, 138-143. | 7.8 | 38 |
| 87 | 2-(triphenylphosphoranylidene) succinic anhydride as a new electrolyte additive to improve high temperature cycle performance of LiMn ₂ O ₄ /graphite Li-ion batteries. <i>Electrochimica Acta</i> , 2013, 102, 97-103. | 5.2 | 20 |
| 88 | Nitrogen-doped carbon coating for a high-performance SiO anode in lithium-ion batteries. <i>Electrochemistry Communications</i> , 2013, 34, 98-101. | 4.7 | 84 |
| 89 | Effect of polydopamine surface coating on polyethylene separators as a function of their porosity for high-power Li-ion batteries. <i>Electrochimica Acta</i> , 2013, 113, 433-438. | 5.2 | 76 |
| 90 | Fabrication of polyacrylonitrile/lignin-based carbon nanofibers for high-power lithium ion battery anodes. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 2471-2475. | 2.5 | 84 |

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|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 91 | Lithium-Ion Batteries: Mussel-Inspired Adhesive Binders for High-Performance Silicon Nanoparticle Anodes in Lithium-Ion Batteries (Adv. Mater. 11/2013). Advanced Materials, 2013, 25, 1570-1570. | 21.0 | 8 |
| 92 | Improved cycle lives of LiMn ₂ O ₄ cathodes in lithium ion batteries by an alginate biopolymer from seaweed. Journal of Materials Chemistry A, 2013, 1, 15224. | 10.3 | 67 |
| 93 | Mussel-Inspired Adhesive Binders for High-Performance Silicon Nanoparticle Anodes in Lithium-Ion Batteries. Advanced Materials, 2013, 25, 1571-1576. | 21.0 | 532 |
| 94 | Effect of cathode/anode area ratio on electrochemical performance of lithium-ion batteries. Journal of Power Sources, 2013, 243, 641-647. | 7.8 | 51 |
| 95 | Recycling rice husks for high-capacity lithium battery anodes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12229-12234. | 7.1 | 256 |
| 96 | Effect of LiCoO ₂ Cathode Density and Thickness on Electrochemical Performance of Lithium-Ion Batteries. Journal of Electrochemical Science and Technology, 2013, 4, 27-33. | 2.2 | 21 |
| 97 | Effect of LiCoO ₂ Cathode Density and Thickness on Electrochemical Performance of Lithium-Ion Batteries. Journal of Electrochemical Science and Technology, 2013, 4, 27-33. | 2.2 | 21 |
| 98 | Mussel- and Diatom-Inspired Silica Coating on Separators Yields Improved Power and Safety in Li-Ion Batteries. Chemistry of Materials, 2012, 24, 3481-3485. | 6.7 | 185 |
| 99 | Co-polyimide-coated polyethylene separators for enhanced thermal stability of lithium ion batteries. Electrochimica Acta, 2012, 85, 524-530. | 5.2 | 148 |
| 100 | Effects of lithium salts on thermal stabilities of lithium alkyl carbonates in SEI layer. Electrochimica Acta, 2012, 83, 259-263. | 5.2 | 68 |
| 101 | Excellent Cycle Life of Lithium-Metal Anodes in Lithium-Ion Batteries with Mussel-Inspired Polydopamine-Coated Separators. Advanced Energy Materials, 2012, 2, 645-650. | 19.5 | 410 |
| 102 | Lithium-Ion Batteries: Excellent Cycle Life of Lithium-Metal Anodes in Lithium-Ion Batteries with Mussel-Inspired Polydopamine-Coated Separators (Adv. Energy Mater. 6/2012). Advanced Energy Materials, 2012, 2, 610-610. | 19.5 | 4 |
| 103 | A gel polymer electrolyte based on initiator-free photopolymerization for lithium secondary batteries. Electrochimica Acta, 2012, 60, 23-30. | 5.2 | 71 |
| 104 | Anion receptor-coated separator for lithium-ion polymer battery. Journal of Solid State Electrochemistry, 2011, 15, 753-757. | 2.5 | 10 |
| 105 | Mussel-Inspired Polydopamine-Treated Polyethylene Separators for High-Power Li-Ion Batteries. Advanced Materials, 2011, 23, 3066-3070. | 21.0 | 635 |
| 106 | N-(triphenylphosphoranylidene) aniline as a novel electrolyte additive for high voltage LiCoO ₂ operations in lithium ion batteries. Electrochimica Acta, 2011, 56, 5195-5200. | 5.2 | 66 |
| 107 | Cross-linkable Polymer Matrix for Enhanced Thermal Stability of Succinonitrile-based Polymer Electrolyte in Lithium Rechargeable Batteries. Journal of Electrochemical Science and Technology, 2011, 2, 198-203. | 2.2 | 4 |
| 108 | Cross-linkable Polymer Matrix for Enhanced Thermal Stability of Succinonitrile-based Polymer Electrolyte in Lithium Rechargeable Batteries. Journal of Electrochemical Science and Technology, 2011, 2, 198-203. | 2.2 | 3 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Effect of fluoroethylene carbonate on high temperature capacity retention of LiMn ₂ O ₄ /graphite Li-ion cells. <i>Electrochimica Acta</i> , 2010, 55, 2073-2077. | 5.2 | 153 |
| 110 | Enhancement of Cycle Performance of Lithium Secondary Batteries Based on Nano-Composite Coated PVdF Membrane. <i>Journal of the Korean Electrochemical Society</i> , 2008, 11, 190-196. | 0.1 | 2 |
| 111 | A New Perspective on the Advanced Microblade Cutting Method for Reliable Adhesion Measurement of Composite Electrodes. <i>Journal of Electrochemical Science and Technology</i> , 0, , . | 2.2 | 0 |