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Challenges in the development of advanced Li-ion batteries: a review

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#	Paper	IF	Citations
2267	Reduced Graphene Oxide/LiI Composite Lithium Ion Battery Cathodes.		
2266	Nitridated TiO ₂ hollow nanofibers as an anode material for high power lithium ion batteries. <i>Energy and Environmental Science</i> , 2011 , 4, 4532	35.4	230
2265	Porous carbon nanofiber-sulfur composite electrodes for lithium/sulfur cells. <i>Energy and Environmental Science</i> , 2011 , 4, 5053	35.4	527
2264	Electrochemical performances of LiMnPO ₄ synthesized from non-stoichiometric Li/Mn ratio. 2011 , 13, 18099-106		27
2263	Electrical energy storage for the grid: a battery of choices. 2011 , 334, 928-35		9187
2262	Structurally stabilized olivine lithium phosphate cathodes with enhanced electrochemical properties through Fe doping. <i>Energy and Environmental Science</i> , 2011 , 4, 4978	35.4	50
2261	A novel solid oxide redox flow battery for grid energy storage. <i>Energy and Environmental Science</i> , 2011 , 4, 4942	35.4	124
2260	Opportunities for mesoscale science. 2012 , 37, 1079-1088		48
2259	Nanosecond and picosecond laser structuring of electrode materials for lithium-ion batteries. 2012 , 1388, 1		
2258	Beam-assisted large elongation of in situ formed Li ₂ O nanowires. 2012 , 2, 542		27
2257	Solvent Oligomerization during SEI Formation on Model Systems for Li-Ion Battery Anodes. 2012 , 159, A730-A738		78
2256	A novel two-step preparation of spinel LiMn ₂ O ₄ nanowires and its electrochemical performance characterization. 2012 , 27, 1750-1754		5
2255	Reversible Deposition and Dissolution of Magnesium from Imidazolium-Based Ionic Liquids. 2012 , 2012, 1-8		11
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2253	Raman Spectroscopic and X-ray Diffraction Studies of Sulfur Composite Electrodes during Discharge and Charge. 2012 , 159, A1308-A1314		120
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2248	Design of Nanostructured Hybrid Materials Based on Carbon and Metal Oxides for Li Ion Batteries. 2012 , 116, 26685-26693		73
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2245	Recovered LiCoO ₂ as anode materials for Ni/Co power batteries. 2012 , 14, 71-5		15
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