

Dominic Bresser

List of Publications by Year in descending order

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120
papers

9,992
citations

46918

47
h-index

35952

97
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131
all docs

131
docs citations

131
times ranked

10215
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-ion conducting polymer electrolyte for Li LiNi _{0.6} Mn _{0.2} Co _{0.2} O ₂ batteries—impact of the anodic cutoff voltage and ambient temperature. <i>Journal of Solid State Electrochemistry</i> , 2022, 26, 97-102.	1.2	10
2	High-Li ⁺ -fraction ether-side-chain pyrrolidinium— asymmetric imide ionic liquid electrolyte for high-energy-density Si//Ni-rich layered oxide Li-ion batteries. <i>Chemical Engineering Journal</i> , 2022, 430, 132693.	6.6	15
3	Block copolymers as (single-ion conducting) lithium battery electrolytes. <i>Nanotechnology</i> , 2022, 33, 062002.	1.3	11
4	Hydride-ion-conducting K ₂ NiF ₄ -type Ba—Li oxyhydride solid electrolyte. <i>Nature Materials</i> , 2022, 21, 325-330.	13.3	26
5	Photo—Cross—Linked Single—Ion Conducting Polymer Electrolyte for Lithium—Metal Batteries. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100820.	2.0	12
6	Diagnosis tools for humidity-born surface contaminants on Li[Ni _{0.8} Mn _{0.1} Co _{0.1}]O ₂ cathode materials for lithium batteries. <i>Journal of Power Sources</i> , 2022, 525, 231111.	4.0	7
7	Polysiloxane—Based Single—Ion Conducting Polymer Blend Electrolyte Comprising Small—Molecule Organic Carbonates for High—Energy and High—Power Lithium—Metal Batteries. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	53
8	Synergistic Effect of Co and Mn Co-Doping on SnO ₂ Lithium-Ion Anodes. <i>Inorganics</i> , 2022, 10, 46.	1.2	5
9	Quantification of charge compensation in lithium- and manganese-rich Li-ion cathode materials by x-ray spectroscopies. <i>Materials Today Physics</i> , 2022, 24, 100687.	2.9	2
10	Comprehensive Approach to Investigate the De—Lithiation Mechanism of Fe—Doped SnO ₂ as Lithium—Ion Anode Material. <i>Advanced Sustainable Systems</i> , 2022, 6, .	2.7	9
11	Influence of Polymer Backbone Fluorination on the Electrochemical Behavior of Single-Ion Conducting Multiblock Copolymer Electrolytes. <i>ACS Macro Letters</i> , 2022, 11, 982-990.	2.3	5
12	Synergistic electrolyte additives for enhancing the performance of high-voltage lithium-ion cathodes in half-cells and full-cells. <i>Journal of Power Sources</i> , 2021, 482, 228975.	4.0	29
13	Organic Liquid Crystals as Single—Ion Li ⁺ Conductors. <i>ChemSusChem</i> , 2021, 14, 655-661.	3.6	8
14	ZnO—Based Conversion/Alloying Negative Electrodes for Lithium—Ion Batteries: Impact of Mixing Intimacy. <i>Energy Technology</i> , 2021, 9, 2001084.	1.8	7
15	Impact of the Transition Metal Dopant in Zinc Oxide Lithium—Ion Anodes on the Solid Electrolyte Interphase Formation. <i>Small Methods</i> , 2021, 5, e2001021.	4.6	17
16	Strategies towards enabling lithium metal in batteries: interphases and electrodes. <i>Energy and Environmental Science</i> , 2021, 14, 5289-5314.	15.6	156
17	Effect of the Secondary Rutile Phase in Single—Step Synthesized Carbon—Coated Anatase TiO ₂ Nanoparticles as Lithium—Ion Anode Material. <i>Energy Technology</i> , 2021, 9, 2001067.	1.8	7
18	An Alternative Charge-Storage Mechanism for High-Performance Sodium-Ion and Potassium-Ion Anodes. <i>ACS Energy Letters</i> , 2021, 6, 915-924.	8.8	21

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19	Effect of Applying a Carbon Coating on the Crystal Structure and De-/Lithiation Mechanism of Mn-Doped ZnO Lithium-Ion Anodes. <i>Journal of the Electrochemical Society</i> , 2021, 168, 030503.	1.3	8
20	Impact of Crystal Density on the Electrochemical Behavior of Lithium-Ion Anode Materials: Exemplary Investigation of (Fe-Doped) GeO ₂ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 8947-8958.	1.5	5
21	Optimizing the Mg Doping Concentration of Na ₃ V ₂ I _x Mg _x (PO ₄) ₂ F ₃ /C for Enhanced Sodiation/Desodiation Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6962-6971.	3.2	25
22	Isovalent vs. aliovalent transition metal doping of zinc oxide lithium-ion battery anodes – in-depth investigation by ex situ and operando X-ray absorption spectroscopy. <i>Materials Today Chemistry</i> , 2021, 20, 100478.	1.7	10
23	Lithium Phosphonate Functionalized Polymer Coating for High-Energy Li[Ni _{0.8} Co _{0.1} Mn _{0.1}]O ₂ with Superior Performance at Ambient and Elevated Temperatures. <i>Advanced Functional Materials</i> , 2021, 31, 2105343.	7.8	42
24	Gravure-Printed Conversion/Alloying Anodes for Lithium-Ion Batteries. <i>Energy Technology</i> , 2021, 9, 2100315.	1.8	10
25	The passivity of lithium electrodes in liquid electrolytes for secondary batteries. <i>Nature Reviews Materials</i> , 2021, 6, 1036-1052.	23.3	201
26	Initial lithiation of carbon-coated zinc ferrite anodes studied by in-situ X-ray absorption spectroscopy. <i>Radiation Physics and Chemistry</i> , 2020, 175, 108468.	1.4	5
27	Structure rearrangements induced by lithium insertion in metal alloying oxide mixed spinel structure studied by x-ray absorption near-edge spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 136, 109172.	1.9	14
28	Deriving Structure-Performance Relations of Chemically Modified Chitosan Binders for Sustainable High-Voltage LiNi _{0.5} Mn _{1.5} O ₄ Cathodes. <i>Batteries and Supercaps</i> , 2020, 3, 155-164.	2.4	18
29	Transition Metal Oxide Anodes for Electrochemical Energy Storage in Lithium- and Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 1902485.	10.2	511
30	Tailoring the Charge/Discharge Potentials and Electrochemical Performance of SnO ₂ Lithium-Ion Anodes by Transition Metal Co-Doping. <i>Batteries and Supercaps</i> , 2020, 3, 284-292.	2.4	21
31	Unveiling and Amplifying the Benefits of Carbon-Coated Aluminum Current Collectors for Sustainable LiNi _{0.5} Mn _{1.5} O ₄ Cathodes. <i>ACS Applied Energy Materials</i> , 2020, 3, 218-230.	2.5	25
32	Lithium-ion batteries – Current state of the art and anticipated developments. <i>Journal of Power Sources</i> , 2020, 479, 228708.	4.0	401
33	Mechanistic Insights into the Lithiation and Delithiation of Iron-Doped Zinc Oxide: The Nucleation Site Model. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8206-8218.	4.0	17
34	High-energy lithium batteries based on single-ion conducting polymer electrolytes and Li[Ni _{0.8} Co _{0.1} Mn _{0.1}]O ₂ cathodes. <i>Nano Energy</i> , 2020, 77, 105129.	8.2	76
35	Revisiting the energy efficiency and (potential) full-cell performance of lithium-ion batteries employing conversion/alloying-type negative electrodes. <i>Journal of Power Sources</i> , 2020, 473, 228583.	4.0	23
36	Determination of the Volume Changes Occurring for Conversion/Alloying-Type Li-Ion Anodes upon Lithiation/Delithiation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8238-8245.	2.1	12

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37	Understanding the Role of Nanoparticles in PEO-Based Hybrid Polymer Electrolytes for Solid-State Lithium-Polymer Batteries. <i>Journal of Physical Chemistry C</i> , 2020, 124, 27907-27915.	1.5	20
38	Introducing Highly Redox-Active Atomic Centers into Insertion-Type Electrodes for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020, 10, 2000783.	10.2	30
39	The success story of graphite as a lithium-ion anode material – fundamentals, remaining challenges, and recent developments including silicon (oxide) composites. <i>Sustainable Energy and Fuels</i> , 2020, 4, 5387-5416.	2.5	608
40	Manipulation of Nitrogen-Heteroatom Configuration for Enhanced Charge-Storage Performance and Reliability of Nanoporous Carbon Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32797-32805.	4.0	32
41	Lithium-Ion Batteries: Introducing Highly Redox-Active Atomic Centers into Insertion-Type Electrodes for Lithium-Ion Batteries (Adv. Energy Mater. 25/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070112.	10.2	1
42	Co-Crosslinked Water-Soluble Biopolymers as a Binder for High-Voltage LiNi _{0.5} Mn _{1.5} O ₄ Graphite Lithium-Ion Full Cells. <i>ChemSusChem</i> , 2020, 13, 2650-2660.	3.6	26
43	A Comparative Review of Electrolytes for Organic-Material-Based Energy-Storage Devices Employing Solid Electrodes and Redox Fluids. <i>ChemSusChem</i> , 2020, 13, 2205-2219.	3.6	64
44	Deriving Structure-Performance Relations of Chemically Modified Chitosan Binders for Sustainable High-Voltage LiNi _{0.5} Mn _{1.5} O ₄ Cathodes. <i>Batteries and Supercaps</i> , 2020, 3, 129-129.	2.4	2
45	Bringing forward the development of battery cells for automotive applications: Perspective of R&D activities in China, Japan, the EU and the USA. <i>Journal of Power Sources</i> , 2020, 459, 228073.	4.0	109
46	Sodium Biphenyl as Anolyte for Sodium-Seawater Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2001249.	7.8	24
47	Crystal engineering of TMPOx-coated LiNi _{0.5} Mn _{1.5} O ₄ cathodes for high-performance lithium-ion batteries. <i>Materials Today</i> , 2020, 39, 127-136.	8.3	37
48	Partially Oxidized Cellulose grafted with Polyethylene Glycol mono-Methyl Ether (m-PEG) as Electrolyte Material for Lithium Polymer Battery. <i>Carbohydrate Polymers</i> , 2020, 240, 116339.	5.1	16
49	Scalable Synthesis of Microsized, Nanocrystalline Zn _{0.9} Fe _{0.1} O Secondary Particles and Their Use in Zn _{0.9} Fe _{0.1} O/LiNi _{0.5} Mn _{1.5} O ₄ Lithium-Ion Full Cells. <i>ChemSusChem</i> , 2020, 13, 3504-3513.	3.6	14
50	4-V flexible all-solid-state lithium polymer batteries. <i>Nano Energy</i> , 2019, 64, 103986.	8.2	39
51	Increased Cycling Performance of Li-Ion Batteries by Phosphoric Acid Modified LiNi _{0.5} Mn _{1.5} O ₄ Cathodes in the Presence of LiBOB. <i>International Journal of Electrochemistry</i> , 2019, 2019, 1-7.	2.4	17
52	Alloying Reaction Confinement Enables High-Capacity and Stable Anodes for Lithium-Ion Batteries. <i>ACS Nano</i> , 2019, 13, 9511-9519.	7.3	48
53	Composition Modulation of Ionic Liquid Hybrid Electrolyte for 5 V Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42049-42056.	4.0	18
54	Critical Evaluation of the Use of 3D Carbon Networks Enhancing the Long-Term Stability of Lithium Metal Anodes. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	2

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55	In Situ Investigation of Layered Oxides with Mixed Structures for Sodium-Ion Batteries. <i>Small Methods</i> , 2019, 3, 1900239.	4.6	20
56	Decoupling segmental relaxation and ionic conductivity for lithium-ion polymer electrolytes. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 779-792.	1.7	129
57	Carbonaceous Anodes Derived from Sugarcane Bagasse for Sodium-Ion Batteries. <i>ChemSusChem</i> , 2019, 12, 2302-2309.	3.6	48
58	Hard carbons for sodium-ion batteries: Structure, analysis, sustainability, and electrochemistry. <i>Materials Today</i> , 2019, 23, 87-104.	8.3	537
59	Probing the 3-Step Lithium Storage Mechanism in $\text{CH}_3\text{NH}_3\text{PbBr}_3$ Perovskite Electrode by <i>Operando</i> -XRD Analysis. <i>ChemElectroChem</i> , 2019, 6, 456-460.	1.7	22
60	Room temperature ionic liquid (RTIL)-based electrolyte cocktails for safe, high working potential Li-based polymer batteries. <i>Journal of Power Sources</i> , 2019, 412, 398-407.	4.0	100
61	In-Situ Electrochemical SHINERS Investigation of SEI Composition on Carbon-Coated $\text{Zn}_{0.9}\text{Fe}_{0.1}\text{O}$ Anode for Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 168-177.	2.4	32
62	Perspectives of automotive battery R&D in China, Germany, Japan, and the USA. <i>Journal of Power Sources</i> , 2018, 382, 176-178.	4.0	184
63	Comparative Analysis of Aqueous Binders for High-Energy Li-Rich NMC as a Lithium-Ion Cathode and the Impact of Adding Phosphoric Acid. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17214-17222.	4.0	52
64	Influence of the doping ratio and the carbon coating content on the electrochemical performance of Co-doped SnO_2 for lithium-ion anodes. <i>Electrochimica Acta</i> , 2018, 277, 100-109.	2.6	36
65	Complementary Strategies Toward the Aqueous Processing of High-Voltage $\text{LiNi}_{0.5}\text{Mn}_{1.5}\text{O}_4$ Lithium-Ion Cathodes. <i>ChemSusChem</i> , 2018, 11, 562-573.	3.6	70
66	Alternative binders for sustainable electrochemical energy storage – the transition to aqueous electrode processing and bio-derived polymers. <i>Energy and Environmental Science</i> , 2018, 11, 3096-3127.	15.6	379
67	Fluorine-free water-in-ionomer electrolytes for sustainable lithium-ion batteries. <i>Nature Communications</i> , 2018, 9, 5320.	5.8	71
68	Manganese phosphate coated $\text{Li}[\text{Ni}_{0.6}\text{Co}_{0.2}\text{Mn}_{0.2}]\text{O}_2$ cathode material: Towards superior cycling stability at elevated temperature and high voltage. <i>Journal of Power Sources</i> , 2018, 402, 263-271.	4.0	99
69	MnPO_4 -Coated Li-NCM: MnPO_4 -Coated $\text{Li}(\text{Ni}_{0.4}\text{Co}_{0.2}\text{Mn}_{0.4})\text{O}_2$ for Lithium(-Ion) Batteries with Outstanding Cycling Stability and Enhanced Lithiation Kinetics (<i>Adv. Energy Mater.</i> 27/2018). <i>Advanced Energy Materials</i> , 2018, 8, 1870123.	10.2	9
70	Conversion/alloying lithium-ion anodes – enhancing the energy density by transition metal doping. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2601-2608.	2.5	41
71	Nanostructured multi-block copolymer single-ion conductors for safer high-performance lithium batteries. <i>Energy and Environmental Science</i> , 2018, 11, 3298-3309.	15.6	167
72	Cobalt Disulfide Nanoparticles Embedded in Porous Carbonaceous Micro-Polyhedrons Interlinked by Carbon Nanotubes for Superior Lithium and Sodium Storage. <i>ACS Nano</i> , 2018, 12, 7220-7231.	7.3	234

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73	MnPO ₄ Coated Li(Ni _{0.4} Co _{0.2} Mn _{0.4})O ₂ for Lithium (Li-ion) Batteries with Outstanding Cycling Stability and Enhanced Lithiation Kinetics. <i>Advanced Energy Materials</i> , 2018, 8, 1801573.	10.2	87
74	Structural and Electrochemical Characterization of Zn _{1-x} FexO Effect of Aliovalent Doping on the Li+ Storage Mechanism. <i>Materials</i> , 2018, 11, 49.	1.3	25
75	From an Enhanced Understanding to Commercially Viable Electrodes: The Case of PTCLi ₄ as Sustainable Organic Lithium-ion Anode Material. <i>Advanced Sustainable Systems</i> , 2017, 1, 1600032.	2.7	31
76	Unveiling the Ion Conduction Mechanism in Imidazolium-Based Poly(ionic liquids): A Comprehensive Investigation of the Structure-to-Transport Interplay. <i>Macromolecules</i> , 2017, 50, 4309-4321.	2.2	41
77	Manganese silicate hollow spheres enclosed in reduced graphene oxide as anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017, 258, 535-543.	2.6	46
78	Iron-Doped ZnO for Lithium-Ion Anodes: Impact of the Dopant Ratio and Carbon Coating Content. <i>Journal of the Electrochemical Society</i> , 2017, 164, A6123-A6130.	1.3	19
79	Elucidating the Impact of Cobalt Doping on the Lithium Storage Mechanism in Conversion/Alloying-Type Zinc Oxide Anodes. <i>ChemElectroChem</i> , 2016, 3, 1311-1319.	1.7	34
80	Combining ionic liquid-based electrolytes and nanostructured anatase TiO ₂ anodes for intrinsically safer sodium-ion batteries. <i>Electrochimica Acta</i> , 2016, 203, 109-116.	2.6	32
81	Leveraging valuable synergies by combining alloying and conversion for lithium-ion anodes. <i>Energy and Environmental Science</i> , 2016, 9, 3348-3367.	15.6	202
82	Safer Electrolytes for Lithium-ion Batteries: State of the Art and Perspectives. <i>ChemSusChem</i> , 2015, 8, 2154-2175.	3.6	641
83	Secondary Lithium-Ion Battery Anodes: From First Commercial Batteries to Recent Research Activities. <i>Johnson Matthey Technology Review</i> , 2015, 59, 34-44.	0.5	67
84	Carbon-Coated Anatase TiO ₂ Nanotubes for Li- and Na-Ion Anodes. <i>Journal of the Electrochemical Society</i> , 2015, 162, A3013-A3020.	1.3	80
85	Nanocrystalline TiO ₂ (B) as Anode Material for Sodium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015, 162, A3052-A3058.	1.3	108
86	Precursor Polymers for the Carbon Coating of Au@ZnO Multipods for Application as Active Material in Lithium-ion Batteries. <i>Macromolecular Rapid Communications</i> , 2015, 36, 1075-1082.	2.0	30
87	Effect of carbonates fluorination on the properties of LiTFSI-based electrolytes for Li-ion batteries. <i>Electrochimica Acta</i> , 2015, 161, 159-170.	2.6	30
88	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage. , 2015, , 213-289.		6
89	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage:. , 2015, , 125-211.		10
90	Transforming anatase TiO ₂ nanorods into ultrafine nanoparticles for advanced electrochemical performance. <i>Journal of Power Sources</i> , 2015, 294, 406-413.	4.0	11

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91	Scaling up "Nano" $\text{Li}_4\text{Ti}_5\text{O}_{12}$ for High-Power Lithium-Ion Anodes Using Large Scale Flame Spray Pyrolysis. <i>Journal of the Electrochemical Society</i> , 2015, 162, A2331-A2338.	1.3	32
92	Interphase Evolution of a Lithium-Ion/Oxygen Battery. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22638-22643.	4.0	50
93	Insights into the Effect of Iron and Cobalt Doping on the Structure of Nanosized ZnO. <i>Inorganic Chemistry</i> , 2015, 54, 9393-9400.	1.9	38
94	Fluorinated Carbamates as Suitable Solvents for LiTFSI-Based Lithium-Ion Electrolytes: Physicochemical Properties and Electrochemical Characterization. <i>Journal of Physical Chemistry C</i> , 2015, 119, 22404-22414.	1.5	30
95	Fe-doped SnO ₂ nanoparticles as new high capacity anode material for secondary lithium-ion batteries. <i>Journal of Power Sources</i> , 2015, 299, 398-402.	4.0	99
96	Unfolding the Mechanism of Sodium Insertion in Anatase TiO ₂ Nanoparticles. <i>Advanced Energy Materials</i> , 2015, 5, 1401142.	10.2	293
97	Lithium-Ion Batteries: ZnFe ₂ O ₄ /LiFePO ₄ @CNT: A Novel High-Power Lithium-Ion Battery with Excellent Cycling Performance (<i>Adv. Energy Mater.</i> 10/2014). <i>Advanced Energy Materials</i> , 2014, 4, .	10.2	5
98	Rechargeable-hybrid-seawater fuel cell. <i>NPG Asia Materials</i> , 2014, 6, e144-e144.	3.8	68
99	Anatase TiO ₂ nanoparticles for high power sodium-ion anodes. <i>Journal of Power Sources</i> , 2014, 251, 379-385.	4.0	297
100	Challenges of "Going Nano" Enhanced Electrochemical Performance of Cobalt Oxide Nanoparticles by Carbothermal Reduction and In Situ Carbon Coating. <i>ChemPhysChem</i> , 2014, 15, 2177-2185.	1.0	38
101	An Advanced Lithium-Air Battery Exploiting an Ionic Liquid-Based Electrolyte. <i>Nano Letters</i> , 2014, 14, 6572-6577.	4.5	200
102	Probing Lithiation Kinetics of Carbon-Coated ZnFe ₂ O ₄ Nanoparticle Battery Anodes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 6069-6076.	1.5	62
103	A New, High Energy Sn ^C /Li _{0.2} Ni _{0.4/3} Co _{0.4/3} Mn _{1.6/3}]O ₂ Lithium-Ion Battery. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 12956-12961.	4.0	38
104	Enabling LiTFSI-based Electrolytes for Safer Lithium-Ion Batteries by Using Linear Fluorinated Carbonates as (Co)Solvent. <i>ChemSusChem</i> , 2014, 7, 2939-2946.	3.6	76
105	ZnFe ₂ O ₄ /LiFePO ₄ @CNT: A Novel High-Power Lithium-Ion Battery with Excellent Cycling Performance. <i>Advanced Energy Materials</i> , 2014, 4, 1-9.	10.2	287
106	Cobalt orthosilicate as a new electrode material for secondary lithium-ion batteries. <i>Dalton Transactions</i> , 2014, 43, 15013-15021.	1.6	57
107	Stabilizing nanostructured lithium insertion materials via organic hybridization: A step forward towards high-power batteries. <i>Journal of Power Sources</i> , 2014, 248, 852-860.	4.0	15
108	Embedding tin nanoparticles in micron-sized disordered carbon for lithium- and sodium-ion anodes. <i>Electrochimica Acta</i> , 2014, 128, 163-171.	2.6	84

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109	Ionic Liquid-based Electrolytes for Li Metal/Air Batteries: A Review of Materials and the New 'LABOHR' Flow Cell Concept. <i>Journal of Electrochemical Science and Technology</i> , 2014, 5, 37-44.	0.9	21
110	Beneficial influence of succinic anhydride as electrolyte additive on the self-discharge of 5ÅV LiNi _{0.4} Mn _{1.6} O ₄ cathodes. <i>Journal of Power Sources</i> , 2013, 236, 39-46.	4.0	90
111	Influence of the carbonaceous conductive network on the electrochemical performance of ZnFe ₂ O ₄ nanoparticles. <i>Journal of Power Sources</i> , 2013, 236, 87-94.	4.0	88
112	Transition-Metal-Doped Zinc Oxide Nanoparticles as a New Lithium-Ion Anode Material. <i>Chemistry of Materials</i> , 2013, 25, 4977-4985.	3.2	165
113	Recent progress and remaining challenges in sulfur-based lithium secondary batteries – a review. <i>Chemical Communications</i> , 2013, 49, 10545.	2.2	467
114	Polyacrylonitrile Block Copolymers for the Preparation of a Thin Carbon Coating Around TiO ₂ Nanorods for Advanced Lithium-Ion Batteries. <i>Macromolecular Rapid Communications</i> , 2013, 34, 1693-1700.	2.0	31
115	Carbon coated lithium sulfide particles for lithium battery cathodes. <i>Journal of Power Sources</i> , 2013, 235, 220-225.	4.0	84
116	Carbon Coated ZnFe ₂ O ₄ Nanoparticles for Advanced Lithium-Ion Anodes. <i>Advanced Energy Materials</i> , 2013, 3, 513-523.	10.2	312
117	Use of non-conventional electrolyte salt and additives in high-voltage graphite/LiNi _{0.4} Mn _{1.6} O ₄ batteries. <i>Journal of Power Sources</i> , 2013, 238, 17-20.	4.0	34
118	Investigation of different binding agents for nanocrystalline anatase TiO ₂ anodes and its application in a novel, green lithium-ion battery. <i>Journal of Power Sources</i> , 2013, 221, 419-426.	4.0	83
119	The importance of "going nano" for high power battery materials. <i>Journal of Power Sources</i> , 2012, 219, 217-222.	4.0	65
120	Percolating networks of TiO ₂ nanorods and carbon for high power lithium insertion electrodes. <i>Journal of Power Sources</i> , 2012, 206, 301-309.	4.0	81