

Dominic Bresser

List of Publications by Year in Descending Order

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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.

120
papers

6,571
citations

42
h-index

80
g-index

131
ext. papers

8,164
ext. citations

10.6
avg, IF

6.46
L-index

#	Paper	IF	Citations
120	Hydride-ion-conducting KNiF-type Ba-Li oxyhydride solid electrolyte.. <i>Nature Materials</i> , 2022 ,	27	2
119	Photo-Crosslinked Single-Ion Conducting Polymer Electrolyte for Lithium-Metal Batteries.. <i>Macromolecular Rapid Communications</i> , 2022 , e2100820	4.8	1
118	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	8.9	3
117	Synergistic Effect of Co and Mn Co-Doping on SnO ₂ Lithium-Ion Anodes. <i>Inorganics</i> , 2022 , 10, 46	2.9	0
116	Transition Metal Oxide Anodes for Electrochemical Energy Storage in Lithium- and Sodium-Ion Batteries* 2022 , 55-99		5
115	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	8	0
114	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	3.9	3
113	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	3.8	2
112	Optimizing the Mg Doping Concentration of Na ₃ V ₂ Mgx(PO ₄) ₂ F ₃ /C for Enhanced Sodiation/Desodiation Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6962-6971	8.3	4
111	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	6.2	3
110	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	15.6	11
109	Gravure-Printed Conversion/Alloying Anodes for Lithium-Ion Batteries. <i>Energy Technology</i> , 2021 , 9, 2100345	3.5	1
108	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	8.9	13
107	Organic Liquid Crystals as Single-Ion Li Conductors. <i>ChemSusChem</i> , 2021 , 14, 655-661	8.3	4
106	ZnO-Based Conversion/Alloying Negative Electrodes for Lithium-Ion Batteries: Impact of Mixing Intimacy. <i>Energy Technology</i> , 2021 , 9, 2001084	3.5	2
105	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	12.8	9
104	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	3.5	2

103	An Alternative Charge-Storage Mechanism for High-Performance Sodium-Ion and Potassium-Ion Anodes. <i>ACS Energy Letters</i> , 2021 , 6, 915-924	20.1	10
102	High-Li ⁺ -fraction ether-side-chain pyrrolidinium π -symmetric imide ionic liquid electrolyte for high-energy-density Si//Ni-rich layered oxide Li-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 430, 132693	14.7	6
101	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	3.8	10
100	The Role of Batteries for the Successful Transition to Renewable Energy Sources 2020 , 1-9		0
99	Introducing Highly Redox-Active Atomic Centers into Insertion-Type Electrodes for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2000783	21.8	20
98	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	5.8	188
97	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	9.5	10
96	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	21.8	0
95	Co-Crosslinked Water-Soluble Biopolymers as a Binder for High-Voltage LiNi Mn O Graphite Lithium-Ion Full Cells. <i>ChemSusChem</i> , 2020 , 13, 2650-2660	8.3	15
94	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	8.3	32
93	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	5.6	1
92	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	8.9	59
91	Sodium Biphenyl as Anolyte for Sodium Seawater Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2001249	15.6	9
90	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	21.8	19
89	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	10.3	9
88	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	5.6	10
87	Transition Metal Oxide Anodes for Electrochemical Energy Storage in Lithium- and Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1902485	21.8	261
86	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	5.6	14

85	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	6.1	13
84	Lithium-ion batteries [Current state of the art and anticipated developments. <i>Journal of Power Sources</i> , 2020 , 479, 228708	8.9	146
83	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	9.5	12
82	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	17.1	42
81	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	8.9	10
80	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	6.4	7
79	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	2.5	3
78	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	3.9	9
77	Scalable Synthesis of Microsized, Nanocrystalline Zn Fe O-C Secondary Particles and Their Use in Zn Fe O-C/LiNi Mn O Lithium-Ion Full Cells. <i>ChemSusChem</i> , 2020 , 13, 3504-3513	8.3	9
76	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,	4	2
75	In Situ Investigation of Layered Oxides with Mixed Structures for Sodium-Ion Batteries. <i>Small Methods</i> , 2019 , 3, 1900239	12.8	10
74	Decoupling segmental relaxation and ionic conductivity for lithium-ion polymer electrolytes. <i>Molecular Systems Design and Engineering</i> , 2019 , 4, 779-792	4.6	82
73	Carbonaceous Anodes Derived from Sugarcane Bagasse for Sodium-Ion Batteries. <i>ChemSusChem</i> , 2019 , 12, 2302-2309	8.3	27
72	4-V flexible all-solid-state lithium polymer batteries. <i>Nano Energy</i> , 2019 , 64, 103986	17.1	22
71	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	10
70	Alloying Reaction Confinement Enables High-Capacity and Stable Anodes for Lithium-Ion Batteries. <i>ACS Nano</i> , 2019 , 13, 9511-9519	16.7	32
69	Composition Modulation of Ionic Liquid Hybrid Electrolyte for 5 V Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42049-42056	9.5	16
68	Hard carbons for sodium-ion batteries: Structure, analysis, sustainability, and electrochemistry. <i>Materials Today</i> , 2019 , 23, 87-104	21.8	276

67	Probing the 3-step Lithium Storage Mechanism in CH ₃ NH ₃ PbBr ₃ Perovskite Electrode by Operando-XRD Analysis. <i>ChemElectroChem</i> , 2019 , 6, 456-460	4.3	14
66	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	8.9	81
65	In-Situ Electrochemical SHINERS Investigation of SEI Composition on Carbon-Coated Zn _{0.9} Fe _{0.1} O Anode for Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 2019 , 2, 168-177	5.6	17
64	Perspectives of automotive battery R&D in China, Germany, Japan, and the USA. <i>Journal of Power Sources</i> , 2018 , 382, 176-178	8.9	124
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	9.5	35
62	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	6.7	29
61	MnPO ₄ -Coated Li(Ni _{0.4} Co _{0.2} Mn _{0.4})O ₂ for Lithium(-Ion) Batteries with Outstanding Cycling Stability and Enhanced Lithiation Kinetics. <i>Advanced Energy Materials</i> , 2018 , 8, 1801573	21.8	64
60	Complementary Strategies Toward the Aqueous Processing of High-Voltage LiNi Mn O Lithium-Ion Cathodes. <i>ChemSusChem</i> , 2018 , 11, 562-573	8.3	49
59	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	35.4	234
58	Fluorine-free water-in-ionomer electrolytes for sustainable lithium-ion batteries. <i>Nature Communications</i> , 2018 , 9, 5320	17.4	48
57	Manganese phosphate coated Li[Ni _{0.6} Co _{0.2} Mn _{0.2}]O ₂ cathode material: Towards superior cycling stability at elevated temperature and high voltage. <i>Journal of Power Sources</i> , 2018 , 402, 263-271	8.9	69
56	MnPO ₄ -Coated Li-NCM: MnPO ₄ -Coated Li(Ni _{0.4} Co _{0.2} Mn _{0.4})O ₂ for Lithium(-Ion) Batteries with Outstanding Cycling Stability and Enhanced Lithiation Kinetics (Adv. Energy Mater. 27/2018). <i>Advanced Energy Materials</i> , 2018 , 8, 1870123	21.8	7
55	Conversion/alloying lithium-ion anodes [Enhancing the energy density by transition metal doping. <i>Sustainable Energy and Fuels</i> , 2018 , 2, 2601-2608	5.8	34
54	Nanostructured multi-block copolymer single-ion conductors for safer high-performance lithium batteries. <i>Energy and Environmental Science</i> , 2018 , 11, 3298-3309	35.4	113
53	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	16.7	158
52	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	5.9	21
51	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	5.5	33
50	Structural and Electrochemical Characterization of ZnFeO-Effect of Aliovalent Doping on the Li+ Storage Mechanism. <i>Materials</i> , 2017 , 11,	3.5	19

49	Manganese silicate hollow spheres enclosed in reduced graphene oxide as anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 258, 535-543	6.7	42
48	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	3.9	17
47	Leveraging valuable synergies by combining alloying and conversion for lithium-ion anodes. <i>Energy and Environmental Science</i> , 2016 , 9, 3348-3367	35.4	153
46	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	4.3	31
45	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	6.7	25
44	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage:: current cell materials and components 2015 , 125-211		7
43	Transforming anatase TiO ₂ nanorods into ultrafine nanoparticles for advanced electrochemical performance. <i>Journal of Power Sources</i> , 2015 , 294, 406-413	8.9	10
42	Scaling up Nano-Li ₄ Ti ₅ 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	3.9	28
41	Interphase Evolution of a Lithium-Ion/Oxygen Battery. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22638-43	9.5	46
40	Insights into the effect of iron and cobalt doping on the structure of nanosized ZnO. <i>Inorganic Chemistry</i> , 2015 , 54, 9393-400	5.1	29
39	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	3.8	19
38	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	8.9	83
37	Unfolding the Mechanism of Sodium Insertion in Anatase TiO ₂ Nanoparticles. <i>Advanced Energy Materials</i> , 2015 , 5, 1401142	21.8	255
36	Safer Electrolytes for Lithium-Ion Batteries: State of the Art and Perspectives. <i>ChemSusChem</i> , 2015 , 8, 2154-75	8.3	474
35	Secondary Lithium-Ion Battery Anodes: From First Commercial Batteries to Recent Research Activities. <i>Johnson Matthey Technology Review</i> , 2015 , 59, 34-44	2.5	57
34	Carbon-Coated Anatase TiO ₂ Nanotubes for Li- and Na-Ion Anodes. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A3013-A3020	3.9	71
33	Nanocrystalline TiO ₂ (B) as Anode Material for Sodium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A3052-A3058	3.9	93
32	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, 1075-82	4.8	27

31	Effect of carbonates fluorination on the properties of LiTFSI-based electrolytes for Li-ion batteries. <i>Electrochimica Acta</i> , 2015 , 161, 159-170	6.7	21
30	Lithium-ion batteries (LIBs) for medium- and large-scale energy storage 2015 , 213-289		4
29	Anatase TiO ₂ nanoparticles for high power sodium-ion anodes. <i>Journal of Power Sources</i> , 2014 , 251, 3798-3805	8.5	257
28	Challenges of "going nano": enhanced electrochemical performance of cobalt oxide nanoparticles by carbothermal reduction and in situ carbon coating. <i>ChemPhysChem</i> , 2014 , 15, 2177-85	3.2	34
27	An advanced lithium-air battery exploiting an ionic liquid-based electrolyte. <i>Nano Letters</i> , 2014 , 14, 6572-11.5	7.5	178
26	Probing Lithiation Kinetics of Carbon-Coated ZnFe ₂ O ₄ Nanoparticle Battery Anodes. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 6069-6076	3.8	59
25	A new, high energy Sn-C/Li[Li(0.2)Ni(0.4)/3Co(0.4)/3Mn(1.6/3)]O ₂ lithium-ion battery. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 12956-61	9.5	30
24	Enabling LiTFSI-based electrolytes for safer lithium-ion batteries by using linear fluorinated carbonates as (Co)solvent. <i>ChemSusChem</i> , 2014 , 7, 2939-46	8.3	57
23	ZnFeO-C/LiFePO-CNT: A Novel High-Power Lithium-Ion Battery with Excellent Cycling Performance. <i>Advanced Energy Materials</i> , 2014 , 4, 1-9	21.8	186
22	Cobalt orthosilicate as a new electrode material for secondary lithium-ion batteries. <i>Dalton Transactions</i> , 2014 , 43, 15013-21	4.3	49
21	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	8.9	14
20	Embedding tin nanoparticles in micron-sized disordered carbon for lithium- and sodium-ion anodes. <i>Electrochimica Acta</i> , 2014 , 128, 163-171	6.7	74
19	Lithium-Ion Batteries: ZnFe ₂ O ₄ -C/LiFePO ₄ -CNT: A Novel High-Power Lithium-Ion Battery with Excellent Cycling Performance (Adv. Energy Mater. 10/2014). <i>Advanced Energy Materials</i> , 2014 , 4, n/a-n/a	21.8	5
18	Rechargeable-hybrid-seawater fuel cell. <i>NPG Asia Materials</i> , 2014 , 6, e144-e144	10.3	55
17	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	3.2	19
16	Beneficial influence of succinic anhydride as electrolyte additive on the self-discharge of 5V LiNi _{0.4} Mn _{1.6} O ₄ cathodes. <i>Journal of Power Sources</i> , 2013 , 236, 39-46	8.9	79
15	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	8.9	81
14	Transition-Metal-Doped Zinc Oxide Nanoparticles as a New Lithium-Ion Anode Material. <i>Chemistry of Materials</i> , 2013 , 25, 4977-4985	9.6	122

13	Recent progress and remaining challenges in sulfur-based lithium secondary batteries--a review. <i>Chemical Communications</i> , 2013 , 49, 10545-62	5.8	430
12	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, 1693-700	4.8	28
11	Carbon coated lithium sulfide particles for lithium battery cathodes. <i>Journal of Power Sources</i> , 2013 , 235, 220-225	8.9	78
10	Carbon Coated ZnFe ₂ O ₄ Nanoparticles for Advanced Lithium-Ion Anodes. <i>Advanced Energy Materials</i> , 2013 , 3, 513-523	21.8	292
9	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	8.9	33
8	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	8.9	77
7	Percolating networks of TiO ₂ nanorods and carbon for high power lithium insertion electrodes. <i>Journal of Power Sources</i> , 2012 , 206, 301-309	8.9	75
6	The importance of going nano for high power battery materials. <i>Journal of Power Sources</i> , 2012 , 219, 217-222	8.9	53
5	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> , 1	2.6	3
4	Strategies towards enabling lithium metal in batteries: interphases and electrodes. <i>Energy and Environmental Science</i> ,	35.4	39
3	The passivity of lithium electrodes in liquid electrolytes for secondary batteries. <i>Nature Reviews Materials</i> ,	73.3	44
2	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> , 2200013	21.8	3
1	Comprehensive Approach to Investigate the De-/Lithiation Mechanism of Fe-Doped SnO ₂ as Lithium-Ion Anode Material. <i>Advanced Sustainable Systems</i> , 2200102	5.9	0