

## List of Publications by Citations

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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.

210 papers	5,270 citations	41 h-index	60 g-index
235 ext. papers	6,419 ext. citations	6.9 avg, IF	5.82 L-index

#	Paper	IF	Citations
210	Diffusion and ionic conduction in nanocrystalline ceramics. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, R1257-R1289	1.8	217
209	Inducing High Ionic Conductivity in the Lithium Superionic Argyrodites LiPGe SI for All-Solid-State Batteries. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 16330-16339	16.4	205
208	Lithium ion conductivity in Li <sub>2</sub> S-B <sub>2</sub> S <sub>5</sub> glasses [building units and local structure evolution during the crystallization of superionic conductors Li <sub>3</sub> PS <sub>4</sub> , Li <sub>7</sub> P <sub>3</sub> S <sub>11</sub> and Li <sub>4</sub> P <sub>2</sub> S <sub>7</sub> . <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18111-18119	13	159
207	NASICON-type air-stable and all-climate cathode for sodium-ion batteries with low cost and high-power density. <i>Nature Communications</i> , <b>2019</b> , 10, 1480	17.4	145
206	Suppressed lithium dendrite growth in lithium batteries using ionic liquid electrolytes: Investigation by electrochemical impedance spectroscopy, scanning electron microscopy, and in situ <sup>7</sup> Li nuclear magnetic resonance spectroscopy. <i>Journal of Power Sources</i> , <b>2013</b> , 228, 237-243	8.9	126
205	General Electron-Assisted Strategy for Ir, Pt, Ru, Pd, Fe, Ni Single-Atom Electrocatalysts with Bifunctional Active Sites for Highly Efficient Water Splitting. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11868-11873	16.4	120
204	Nanocrystalline versus microcrystalline Li <sub>2</sub> O:B(2)O <sub>3</sub> composites: anomalous ionic conductivities and percolation theory. <i>Physical Review Letters</i> , <b>2000</b> , 84, 2889-92	7.4	106
203	In situ scanning electron microscopy on lithium-ion battery electrodes using an ionic liquid. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 6382-6387	8.9	84
202	Nanocrystalline Oxide Ceramics Prepared by High-Energy Ball Milling. <i>Journal of Materials Synthesis and Processing</i> , <b>2000</b> , 8, 245-250		80
201	Structural insights into the formation and voltage degradation of lithium- and manganese-rich layered oxides. <i>Nature Communications</i> , <b>2019</b> , 10, 5365	17.4	79
200	Li <sub>4</sub> PS <sub>4</sub> I: A Li <sup>+</sup> Superionic Conductor Synthesized by a Solvent-Based Soft Chemistry Approach. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1830-1835	9.6	76
199	Diffusion in amorphous LiNbO <sub>3</sub> studied by <sup>7</sup> Li NMR [comparison with the nano- and microcrystalline material. <i>Physical Chemistry Chemical Physics</i> , <b>2002</b> , 4, 3246-3251	3.6	76
198	Nonequilibrium structure of Zn <sub>2</sub> SnO <sub>4</sub> spinel nanoparticles. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 3117		75
197	Local Structural Investigations, Defect Formation, and Ionic Conductivity of the Lithium Ionic Conductor Li <sub>4</sub> P <sub>2</sub> S <sub>6</sub> . <i>Chemistry of Materials</i> , <b>2016</b> , 28, 8764-8773	9.6	74
196	Synthesis, Structural Characterization, and Lithium Ion Conductivity of the Lithium Thiophosphate LiPS. <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 6681-6687	5.1	67
195	Nebulized spray pyrolysis of Al-doped Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> solid electrolyte for battery applications. <i>Solid State Ionics</i> , <b>2014</b> , 263, 49-56	3.3	63
194	Preparation by high-energy milling, characterization, and catalytic properties of nanocrystalline TiO <sub>2</sub> . <i>Journal of Physical Chemistry B</i> , <b>2005</b> , 109, 23274-8	3.4	63

193	Heterogeneous lithium diffusion in nanocrystalline Li <sub>2</sub> O:Al <sub>2</sub> O <sub>3</sub> composites. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 2225-2231	3.6	63
192	Cycling behaviour of Li/Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> cells studied by electrochemical impedance spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 6234-40	3.6	62
191	A Hydrostable Cathode Material Based on the Layered P2@P3 Composite that Shows Redox Behavior for Copper in High-Rate and Long-Cycling Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1412-1416	16.4	62
190	Pseudocapacitance of Mesoporous Spinel-Type MCoO (M = Co, Zn, and Ni) Rods Fabricated by a Facile Solvothermal Route. <i>ACS Omega</i> , <b>2017</b> , 2, 6003-6013	3.9	61
189	Development and Investigation of a NASICON-Type High-Voltage Cathode Material for High-Power Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 2449-2456	16.4	60
188	Li Ion Dynamics in a LiAlO <sub>2</sub> Single Crystal Studied by <sup>7</sup> Li NMR Spectroscopy and Conductivity Measurements. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 14243-14247	3.8	58
187	What Happens Structurally and Electronically during the Li Conversion Reaction of CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles: An Operando XAS and XRD Investigation. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 434-444	9.6	57
186	Fast diffusion in nanocrystalline ceramics prepared by ball milling. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 5091-5096	4.3	56
185	Li <sup>+</sup> -Ion Dynamics in Li <sub>3</sub> PS <sub>4</sub> Observed by NMR: Local Hopping and Long-Range Transport. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 15954-15965	3.8	55
184	Toward On-and-Off Magnetism: Reversible Electrochemistry to Control Magnetic Phase Transitions in Spinel Ferrites. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 7507-7515	15.6	54
183	Structural Evolution of Li <sub>2</sub> Fe <sub>1-y</sub> Mn <sub>y</sub> SiO <sub>4</sub> (y = 0, 0.2, 0.5, 1) Cathode Materials for Li-Ion Batteries upon Electrochemical Cycling. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 884-893	3.8	52
182	Lithium/Oxygen Incorporation and Microstructural Evolution during Synthesis of Li-Rich Layered Li[Li <sub>0.2</sub> Ni <sub>0.2</sub> Mn <sub>0.6</sub> ]O <sub>2</sub> Oxides. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803094	21.8	52
181	A long cycle-life and high safety Na <sup>+</sup> /Mg <sup>2+</sup> hybrid-ion battery built by using a TiS <sub>2</sub> derived titanium sulfide cathode. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 600-608	13	48
180	Electrochemical Delithiation/Relithiation of LiCoPO <sub>4</sub> : A Two-Step Reaction Mechanism Investigated by in Situ X-ray Diffraction, in Situ X-ray Absorption Spectroscopy, and in Situ <sup>7</sup> Li/ <sup>31</sup> P NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 17279-17290	3.8	46
179	Shape-controlled synthesis of hierarchically layered lithium transition-metal oxide cathode materials by shear exfoliation in continuous stirred-tank reactors. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 25391-25400	13	46
178	CuVS: A High Rate Capacity and Stable Anode Material for Sodium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 21283-21291	9.5	44
177	Multiregion Janus-Featured Cobalt Phosphide-Cobalt Composite for Highly Reversible Room-Temperature Sodium-Sulfur Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 10284-10293	16.7	44
176	Editors' Choice Understanding Chemical Stability Issues between Different Solid Electrolytes in All-Solid-State Batteries. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A975-A983	3.9	43

175	Manipulating Layered P2@P3 Integrated Spinel Structure Evolution for High-Performance Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 9299-9304	16.4	43
174	Direct determination of the cation disorder in nanoscale spinels by NMR, XPS, and Mössbauer spectroscopy. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 434-435, 776-778	5.7	43
173	Heterogeneous <sup>7</sup> Li NMR relaxation in nanocrystalline Li <sub>2</sub> O:B <sub>2</sub> O <sub>3</sub> composites. <i>Journal of Non-Crystalline Solids</i> , <b>2002</b> , 307-310, 555-564	3.9	43
172	Study of local structure and Li dynamics in Li(4+x)Ti(5)O(12) (0 ≤ x ≤ 1) using ( <sup>6</sup> )Li and ( <sup>7</sup> )Li NMR spectroscopy. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2012</b> , 42, 9-16	3.1	42
171	A One-Step Mechanochemical Route to Core-Shell Ca <sub>2</sub> SnO <sub>4</sub> Nanoparticles Followed by <sup>119</sup> Sn MAS NMR and <sup>119</sup> Sn Mössbauer Spectroscopy. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 2518-2524	9.6	42
170	Layered oxysulfides Sr <sub>2</sub> MnO <sub>2</sub> Cu <sub>2m-0.5</sub> Sm <sub>m+1</sub> (m = 1, 2, and 3) as insertion hosts for Li ion batteries. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 13354-5	16.4	41
169	Nonequilibrium cation distribution in nanocrystalline MgAl <sub>2</sub> O <sub>4</sub> spinel studied by <sup>27</sup> Al magic-angle spinning NMR. <i>Solid State Ionics</i> , <b>2006</b> , 177, 2487-2490	3.3	39
168	Anatase TiO <sub>2</sub> nanoparticles for lithium-ion batteries. <i>Ionics</i> , <b>2018</b> , 24, 2925-2934	2.7	38
167	Unravelling the growth mechanism of hierarchically structured Ni <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> (OH) <sub>2</sub> and their application as precursors for high-power cathode materials. <i>Electrochimica Acta</i> , <b>2017</b> , 232, 123-131	6.7	37
166	High-resolution <sup>27</sup> Al MAS NMR spectroscopic studies of the response of spinel aluminates to mechanical action. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 8332		37
165	In Operando Synchrotron Diffraction and in Operando X-ray Absorption Spectroscopy Investigations of Orthorhombic VO Nanowires as Cathode Materials for Mg-Ion Batteries. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2305-2315	16.4	37
164	Mechanism of the Delithiation/Lithiation Process in LiFe <sub>0.4</sub> Mn <sub>0.6</sub> PO <sub>4</sub> : in Situ and ex Situ Investigations on Long-Range and Local Structures. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 9016-9024	2.8	36
163	Synthesis and electrochemical properties of rGO/polypyrrole/ferrites nanocomposites obtained via a hydrothermal route for hybrid aqueous supercapacitors. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 845, 72-83	4.1	33
162	Amorphous versus Crystalline Li <sub>3</sub> PS <sub>4</sub> : Local Structural Changes during Synthesis and Li Ion Mobility. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 10280-10290	3.8	33
161	Reversible Li <sup>+</sup> Storage in a LiMnTiO <sub>4</sub> Spinel and Its Structural Transition Mechanisms. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 12608-12616	3.8	33
160	Nanocrystalline Ti <sub>2/3</sub> Sn <sub>1/3</sub> O <sub>2</sub> as anode material for Li-ion batteries. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 9689-9695	8.9	33
159	Local Structural Disorder and Relaxation in SnO <sub>2</sub> Nanostructures Studied by <sup>119</sup> Sn MAS NMR and <sup>119</sup> Sn Mössbauer Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 6433-6437	3.8	33
158	Pyrolysis of a three-dimensional Mn(II)/Mn(III) network to give a multifunctional porous manganese oxide material. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 1158-62	4.8	33

157	AC and DC Conductivity in Nano- and Microcrystalline Li <sub>2</sub> O : B <sub>2</sub> O <sub>3</sub> Composites: Experimental Results and Theoretical Models. <i>Zeitschrift Fur Physikalische Chemie</i> , <b>2005</b> , 219, 89-103	3.1	32
156	Nanoscale spinel LiFeTiO <sub>4</sub> for intercalation pseudocapacitive Li(+) storage. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 1482-8	3.6	30
155	EDTA as chelating agent for sol-gel synthesis of spinel LiMn <sub>2</sub> O <sub>4</sub> cathode material for lithium batteries. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 737, 758-766	5.7	30
154	Electrochemical insertion of Li into nanocrystalline MnFe <sub>2</sub> O <sub>4</sub> : a study of the reaction mechanism. <i>RSC Advances</i> , <b>2013</b> , 3, 23001	3.7	29
153	Elucidation of the Conversion Reaction of CoMnFeO <sub>4</sub> Nanoparticles in Lithium Ion Battery Anode via Operando Studies. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 15320-32	9.5	29
152	Slurry-Based Processing of Solid Electrolytes: A Comparative Binder Study. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A3993-A3999	3.9	29
151	Mixtures of Ionic Liquid and Sulfolane as Electrolytes for Li-Ion Batteries. <i>Electrochimica Acta</i> , <b>2014</b> , 147, 704-711	6.7	28
150	Structural and morphological study of mechanochemically synthesized tin diselenide. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 5873		28
149	Influence of electronically conductive additives on the cycling performance of argyrodite-based all-solid-state batteries.. <i>RSC Advances</i> , <b>2020</b> , 10, 1114-1119	3.7	28
148	Fast Na <sup>+</sup> Ion Conduction in NASICON-Type Na <sub>3.4</sub> Sc <sub>2</sub> (SiO <sub>4</sub> ) <sub>0.4</sub> (PO <sub>4</sub> ) <sub>2.6</sub> Observed by <sup>23</sup> Na NMR Relaxometry. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 1449-1454	3.8	27
147	Is there a universal reaction mechanism of Li insertion into oxidic spinels: a case study using MgFe <sub>2</sub> O <sub>4</sub> . <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 1549-1561	13	27
146	Electrochemical insertion of lithium in mechanochemically synthesized Zn <sub>2</sub> SnO <sub>4</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 19624-31	3.6	27
145	Tracer diffusion measurements in solid lithium: a test case for the comparison between NMR in static and pulsed magnetic field gradients after upgrading a standard solid state NMR spectrometer. <i>Solid State Nuclear Magnetic Resonance</i> , <b>2004</b> , 26, 74-83	3.1	26
144	High-Resolution Surface Analysis on Aluminum Oxide-Coated LiMnNiCoO with Improved Capacity Retention. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 43131-43143	9.5	26
143	Stability of NASICON materials against water and CO <sub>2</sub> uptake. <i>Solid State Ionics</i> , <b>2017</b> , 302, 102-106	3.3	25
142	Electrochemical impedance spectroscopy of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> and LiCoO <sub>2</sub> based half-cells and Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /LiCoO <sub>2</sub> cells: Internal interfaces and influence of state-of-charge and cycle number. <i>Solid State Ionics</i> , <b>2012</b> , 226, 15-23	3.3	24
141	NMR and ENMR Studies of Diffusion in Interface-Dominated and Disordered Solids <b>2005</b> , 367-415		24
140	Enhancement of electrochemical performance by simultaneous substitution of Ni and Mn with Fe in Ni-Mn spinel cathodes for Li-ion batteries. <i>Journal of Power Sources</i> , <b>2016</b> , 327, 507-518	8.9	24

139	Effect of Titanium Substitution in a P2-NaCoTiO Cathode Material on the Structural and Electrochemical Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37778-37785	9.5	23
138	Green synthesis of nanosized manganese dioxide as positive electrode for lithium-ion batteries using lemon juice and citrus peel. <i>Electrochimica Acta</i> , <b>2018</b> , 262, 74-81	6.7	23
137	Mechanochemical activation of MoS <sub>2</sub> surface properties and catalytic activities in hydrogenation and isomerization of alkenes and in H <sub>2</sub> /D <sub>2</sub> exchange. <i>Journal of Catalysis</i> , <b>2008</b> , 260, 236-244	7.3	23
136	Li ion transport and interface percolation in nano- and microcrystalline composites. <i>Physical Chemistry Chemical Physics</i> , <b>2004</b> , 006, 3680-3683	3.6	23
135	Local Structures and Li Ion Dynamics in a Li <sub>10</sub> SnP <sub>2</sub> S <sub>12</sub> -Based Composite Observed by Multinuclear Solid-State NMR Spectroscopy. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 23370-23376	3.8	22
134	Identifying the redox activity of cation-disordered Li-Fe-V-Ti oxide cathodes for Li-ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 7695-701	3.6	22
133	Manipulating Layered P2@P3 Integrated Spinel Structure Evolution for High-Performance Sodium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 9385-9390	3.6	21
132	Constitution, microstructure, and battery performance of magnetron sputtered Li <sub>1-x</sub> Co <sub>x</sub> O thin film cathodes for lithium-ion batteries as a function of the working gas pressure. <i>Surface and Coatings Technology</i> , <b>2010</b> , 205, 1589-1594	4.4	21
131	Lithium-ion (de)intercalation mechanism in core-shell layered Li(Ni,Co,Mn)O <sub>2</sub> cathode materials. <i>Nano Energy</i> , <b>2020</b> , 78, 105231	17.1	21
130	Observing Local Oxygen Interstitial Diffusion in Donor-Doped Ceria by <sup>17</sup> O NMR Relaxometry. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 8568-8577	3.8	21
129	Chemical and Structural Evolution during the Synthesis of Layered Li(Ni,Co,Mn)O <sub>2</sub> Oxides. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 4984-4997	9.6	20
128	Electrolyte Mixtures Based on Ethylene Carbonate and Dimethyl Sulfone for Li-Ion Batteries with Improved Safety Characteristics. <i>ChemSusChem</i> , <b>2015</b> , 8, 1892-900	8.3	20
127	Defect formation during high-energy ball milling in TiO <sub>2</sub> and its relation to the photocatalytic activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2009</b> , 207, 231-235	4.7	20
126	Li intercalation and anion/cation substitution of transition metal chalcogenides: Effects on crystal structure, microstructure, magnetic properties and Li <sup>+</sup> ion mobility. <i>Progress in Solid State Chemistry</i> , <b>2009</b> , 37, 206-225	8	20
125	Local electronic structure in a LiAlO <sub>2</sub> single crystal studied with Li <sup>7</sup> NMR spectroscopy and comparison with quantum chemical calculations. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	20
124	Improved All-Vanadium Redox Flow Batteries using Catholyte Additive and a Cross-linked Methylated Polybenzimidazole Membrane. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 6047-6055	6.1	20
123	General Electron-Assisted Strategy for Ir, Pt, Ru, Pd, Fe, Ni Single-Atom Electrocatalysts with Bifunctional Active Sites for Highly Efficient Water Splitting. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11994-11999	3.6	19
122	Enhanced conductivity at the interface of Li <sub>2</sub> O:B <sub>2</sub> O <sub>3</sub> nanocomposites: atomistic models. <i>Physical Review Letters</i> , <b>2007</b> , 99, 145502	7.4	19

121	Src family tyrosine kinases inhibit single L-type: Ca <sup>2+</sup> channel activity in human atrial myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2004</b> , 37, 735-45	5.8	19
120	(De)Lithiation Mechanism of Hierarchically Layered LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> Cathodes during High-Voltage Cycling. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A5025-A5032	3.9	19
119	Understanding the Lifetime of Battery Cells Based on Solid-State LiPSCl Electrolyte Paired with Lithium Metal Electrode. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 20012-20025	9.5	18
118	High electrochemical performance of 3D highly porous Zn <sub>0.2</sub> Ni <sub>0.8</sub> Co <sub>2</sub> O <sub>4</sub> microspheres as an electrode material for electrochemical energy storage. <i>CrystEngComm</i> , <b>2018</b> , 20, 2159-2168	3.3	18
117	Ionic Liquid Based Electrolytes: Correlating Li Diffusion Coefficients and Battery Performance. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, A2036-A2041	3.9	18
116	Single-crystal neutron diffraction on $\alpha$ -LiAlO <sub>2</sub> : structure determination and estimation of lithium diffusion pathway. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , <b>2016</b> , 231, 189-193	1	17
115	Tuning the structural and physical properties of Cr <sub>2</sub> Ti <sub>3</sub> Se <sub>8</sub> by lithium intercalation: a study of the magnetic properties, investigation of ion mobility with NMR spectroscopy and electronic band structure calculations. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 288-99	16.4	17
114	Fast dynamics of H <sub>2</sub> O in hydrous aluminosilicate glasses studied with quasielastic neutron scattering. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	17
113	A Hydrostable Cathode Material Based on the Layered P2@P3 Composite that Shows Redox Behavior for Copper in High-Rate and Long-Cycling Sodium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1426-1430	3.6	17
112	Electrochemical performance of nanosized MnO <sub>2</sub> synthesized by redox route using biological reducing agents. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 746, 227-237	5.7	16
111	LiCaFeF <sub>6</sub> : A zero-strain cathode material for use in Li-ion batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 362, 192-201	8.9	16
110	Unravelling the mechanism of lithium insertion into and extraction from trirutile-type LiNiFeF <sub>6</sub> cathode material for Li-ion batteries. <i>CrystEngComm</i> , <b>2015</b> , 17, 6163-6174	3.3	15
109	Polystyrene comb architectures as model systems for the optimized solution electrospinning of branched polymers. <i>Polymer</i> , <b>2016</b> , 104, 240-250	3.9	15
108	Blend formed by oxygen deficient MoO <sub>3</sub> ·xH <sub>2</sub> O as lithium-insertion compounds. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 686, 744-752	5.7	15
107	Variations in structure and electrochemistry of iron- and titanium-doped lithium nickel manganese oxyfluoride spinels. <i>Journal of Power Sources</i> , <b>2016</b> , 315, 269-276	8.9	15
106	Development and Investigation of a NASICON-Type High-Voltage Cathode Material for High-Power Sodium-Ion Batteries. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 2470-2477	3.6	15
105	Activation and degradation of electrospun LiFePO <sub>4</sub> battery cathodes. <i>Journal of Power Sources</i> , <b>2018</b> , 396, 386-394	8.9	14
104	Study of the Na Storage Mechanism in Silicon Oxycarbide Evidence for Reversible Silicon Redox Activity. <i>Small Methods</i> , <b>2019</b> , 3, 1800177	12.8	14

103	Influence of Iron on the Structural Evolution of $\text{LiNi}_{0.4}\text{Fe}_{0.2}\text{Mn}_{1.4}\text{O}_4$ during Electrochemical Cycling Investigated by in situ Powder Diffraction and Spectroscopic Methods. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2014</b> , 640, 3118-3126	1.3	14
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