

Atsuo Yamada

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.

256
papers

21,445
citations

74
h-index

142
g-index

295
ext. papers

24,213
ext. citations

9.5
avg, IF

7.25
L-index

#	Paper	IF	Citations
256	Oxygen Redox Versus Oxygen Evolution in Aqueous Electrolytes: Critical Influence of Transition Metals.. <i>Advanced Science</i> , 2022 , e2104907	13.6	2
255	Relationship between Electric Double-Layer Structure of MXene Electrode and Its Surface Functional Groups. <i>Chemistry of Materials</i> , 2022 , 34, 2069-2075	9.6	1
254	Lithium-Rich O2-Type Li _{0.66} [Li _{0.22} Ru _{0.78}]O ₂ Positive Electrode Material. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 040536	3.9	0
253	High-Voltage Polyanion Positive Electrode Materials. <i>Molecules</i> , 2021 , 26, 5143	4.8	2
252	Soft X-ray Emission Studies on Hydrate-Melt Electrolytes. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 11534-11539	3.4	1
251	An overlooked issue for high-voltage Li-ion batteries: Suppressing the intercalation of anions into conductive carbon. <i>Joule</i> , 2021 , 5, 998-1009	27.8	14
250	Rational Electrolyte Design to Form InorganicPolymeric Interphase on Silicon-Based Anodes. <i>ACS Energy Letters</i> , 2021 , 6, 1811-1820	20.1	13
249	Optimal water concentration for aqueous Li intercalation in vanadyl phosphate. <i>Chemical Science</i> , 2021 , 12, 4450-4454	9.4	3
248	Designing positive electrodes with high energy density for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7407-7421	13	12
247	4.7 V Operation of the Cr ⁴⁺ /Cr ³⁺ Redox Couple in Na ₃ Cr ₂ (PO ₄) ₂ F ₃ . <i>Chemistry of Materials</i> , 2021 , 33, 1373-1379	9.6	2
246	Concentrated Electrolytes Widen the Operating Temperature Range of Lithium-Ion Batteries. <i>Advanced Science</i> , 2021 , 8, e2101646	13.6	14
245	Frontiers in Theoretical Analysis of Solid Electrolyte Interphase Formation Mechanism. <i>Advanced Materials</i> , 2021 , 33, e2100574	24	11
244	Nonpolarizing oxygen-redox capacity without O-O dimerization in NaMnO. <i>Nature Communications</i> , 2021 , 12, 631	17.4	21
243	Capacitive versus Pseudocapacitive Storage in MXene. <i>Advanced Functional Materials</i> , 2020 , 30, 2000820	15.6	43
242	A 4.8 V Reversible Li ₂ CoPO ₄ F/Graphite Battery Enabled by Concentrated Electrolytes and Optimized Cell Design. <i>Batteries and Supercaps</i> , 2020 , 3, 910-916	5.6	10
241	Impact of Anion Asymmetry on Local Structure and Supercooling Behavior of Water-in-Salt Electrolytes. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 4720-4725	6.4	14
240	A 62 m K-ion aqueous electrolyte. <i>Electrochemistry Communications</i> , 2020 , 116, 106764	5.1	20

239	Does Spinel Serve as a Rigid Framework for Oxygen Redox?. <i>Chemistry of Materials</i> , 2020 , 32, 7181-7187	9.6	1
238	Multiorbital bond formation for stable oxygen-redox reaction in battery electrodes. <i>Energy and Environmental Science</i> , 2020 , 13, 1492-1500	35.4	33
237	Theoretical analysis of electrode-dependent interfacial structures on hydrate-melt electrolytes. <i>Journal of Chemical Physics</i> , 2020 , 152, 124706	3.9	8
236	Reversible and High-rate Hard Carbon Negative Electrodes in a Fluorine-free Sodium-salt Electrolyte. <i>Electrochemistry</i> , 2020 , 88, 151-156	1.2	8
235	A cyclic phosphate-based battery electrolyte for high voltage and safe operation. <i>Nature Energy</i> , 2020 , 5, 291-298	62.3	104
234	(Invited) Probing Redox Centers in Oxygen-Redox Electrodes Using Soft X-Ray Spectroscopy. <i>ECS Meeting Abstracts</i> , 2020 , MA2020-02, 165-165	0	
233	Possible high-potential ilmenite type Na ₁ MO ₃ (M=V/Ni) cathodes realized by dominant oxygen redox reaction. <i>Physical Review Materials</i> , 2020 , 4,	3.2	1
232	Mechanism of Sodium Storage in Hard Carbon: An X-Ray Scattering Analysis. <i>Advanced Energy Materials</i> , 2020 , 10, 1903176	21.8	54
231	Stability of conductive carbon additives in 5V-class Li-ion batteries. <i>Carbon</i> , 2020 , 158, 766-771	10.4	9
230	Pseudocapacitors: Capacitive versus Pseudocapacitive Storage in MXene (Adv. Funct. Mater. 47/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070312	15.6	0
229	First-Principles Study on the Cation-Dependent Electrochemical Stabilities in Li/Na/K Hydrate-Melt Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 42734-42738	9.5	9
228	Alluaudite Battery Cathodes. <i>Small Methods</i> , 2020 , 4, 2000051	12.8	10
227	Stabilization of a 4.5 V Cr/Cr redox reaction in NASICON-type NaCr(PO) by Ti substitution. <i>Chemical Communications</i> , 2019 , 55, 13717-13720	5.8	12
226	Optimized Nonflammable Concentrated Electrolytes by Introducing a Low-Dielectric Diluent. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35770-35776	9.5	34
225	First-Principles Study on the Peculiar Water Environment in a Hydrate-Melt Electrolyte. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6301-6305	6.4	24
224	Oxygen Redox Promoted by Na Excess and Covalency in Hexagonal and Monoclinic Na ₂ VRuO ₃ Polymorphs. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A5343-A5348	3.9	6
223	Combined Theoretical and Experimental Studies of Sodium Battery Materials. <i>Chemical Record</i> , 2019 , 19, 792	6.6	8
222	Topochemical synthesis of phase-pure MoAlB through staging mechanism. <i>Chemical Communications</i> , 2019 , 55, 9295-9298	5.8	12

221	Lithium-salt monohydrate melt: A stable electrolyte for aqueous lithium-ion batteries. <i>Electrochemistry Communications</i> , 2019 , 104, 106488	5.1	79
220	Synthesis, crystal structure and possible proton conduction of Fe(H ₂ PO ₄) ₂ F. <i>Solid State Ionics</i> , 2019 , 338, 134-137	3.3	
219	Dense Charge Accumulation in MXene with a Hydrate-Melt Electrolyte. <i>Chemistry of Materials</i> , 2019 , 31, 5190-5196	9.6	29
218	Coulombic self-ordering upon charging a large-capacity layered cathode material for rechargeable batteries. <i>Nature Communications</i> , 2019 , 10, 2185	17.4	38
217	The Reduction in Gastric Atrophy after Eradication Is Reduced by Treatment with Inhibitors of Gastric Acid Secretion. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
216	Redox-Driven Spin Transition in a Layered Battery Cathode Material. <i>Chemistry of Materials</i> , 2019 , 31, 2358-2365	9.6	13
215	Advances and issues in developing salt-concentrated battery electrolytes. <i>Nature Energy</i> , 2019 , 4, 269-280	12.3	530
214	Reversible Sodium Metal Electrodes: Is Fluorine an Essential Interphasial Component?. <i>Angewandte Chemie</i> , 2019 , 131, 8108-8112	3.6	2
213	Impact of cis- versus trans-Configuration of Butylene Carbonate Electrolyte on Microscopic Solid Electrolyte Interphase Formation Processes in Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 15623-15629	9.5	11
212	Reversible Sodium Metal Electrodes: Is Fluorine an Essential Interphasial Component?. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8024-8028	16.4	41
211	Negative dielectric constant of water confined in nanosheets. <i>Nature Communications</i> , 2019 , 10, 850	17.4	68
210	Sodium- and Potassium-Hydrate Melts Containing Asymmetric Imide Anions for High-Voltage Aqueous Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14202-14207	16.4	51
209	Sodium- and Potassium-Hydrate Melts Containing Asymmetric Imide Anions for High-Voltage Aqueous Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 14340-14345	3.6	8
208	Formation of a Solid Electrolyte Interphase in Hydrate-Melt Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45554-45560	9.5	27
207	MXenes for Batteries 2019 , 367-379		
206	Interfacial Dissociation of Contact-Ion-Pair on MXene Electrodes in Concentrated Aqueous Electrolytes. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A3739-A3744	3.9	14
205	HPO as a building unit for sodium-ion battery cathodes: 3.1 V operation of NaFe(HPO) (0 Chemical Communications, 2019 , 55, 14155-14157	5.8	2
204	A Theoretical study on the charge and discharge states of Na-ion battery cathode material, Na FePO F. <i>Journal of Computational Chemistry</i> , 2019 , 40, 237-246	3.5	1

203	MXene as a Charge Storage Host. <i>Accounts of Chemical Research</i> , 2018 , 51, 591-599	24.3	203
202	High-Voltage Cr ⁴⁺ /Cr ³⁺ Redox Couple in Polyanion Compounds. <i>ACS Applied Energy Materials</i> , 2018 , 1, 928-931	6.1	35
201	Highly Reversible Oxygen-Redox Chemistry at 4.1 V in Na _{4/7} [$\frac{1}{7}$ Mn _{6/7}]O ₂ (? Mn Vacancy). <i>Advanced Energy Materials</i> , 2018 , 8, 1800409	21.8	116
200	A [Fe(Tp)(CN)] scorpionate-based complex as a building block for designing ion storage hosts (Tp: hydrotrispyrazolylborate). <i>Chemical Communications</i> , 2018 , 54, 5189-5192	5.8	7
199	Rhombohedral NASICON-type Na _x Fe ₂ (SO ₄) ₃ for sodium ion batteries: comparison with phosphate and alluaudite phases. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3919-3925	13	28
198	Oxygen redox in hexagonal layered Na _x TMO ₃ (TM = 4d elements) for high capacity Na ion batteries. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 3747-3753	13	23
197	Microscopic Formation Mechanism of Solid Electrolyte Interphase Film in Lithium-Ion Batteries with Highly Concentrated Electrolyte. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2564-2571	3.8	29
196	Enriching Battery Chemistry. <i>Joule</i> , 2018 , 2, 371-372	27.8	6
195	Polyanionic Insertion Materials for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1703055	21.8	165
194	Fire-extinguishing organic electrolytes for safe batteries. <i>Nature Energy</i> , 2018 , 3, 22-29	62.3	406
193	Cobalt-Free O ₂ -Type Lithium-Rich Layered Oxides. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A3630-A3633	3.0	11
192	Sulfate-Based Cathode Materials for Li- and Na-Ion Batteries. <i>Chemical Record</i> , 2018 , 18, 1394-1408	6.6	24
191	Enhanced Li-Ion Accessibility in MXene Titanium Carbide by Steric Chloride Termination. <i>Advanced Energy Materials</i> , 2017 , 7, 1601873	21.8	124
190	A Fe-rich sodium iron orthophosphate as cathode material for rechargeable batteries. <i>Electrochemistry Communications</i> , 2017 , 79, 51-54	5.1	5
189	Superconcentrated Electrolytes to Create New Interfacial Chemistry in Non-aqueous and Aqueous Rechargeable Batteries. <i>Chemistry Letters</i> , 2017 , 46, 1056-1064	1.7	74
188	Sodium Iron(II) Pyrosilicate Na ₂ Fe ₂ Si ₂ O ₇ : A Potential Cathode Material in the Na ₂ O-FeO-SiO ₂ System. <i>Chemistry of Materials</i> , 2017 , 29, 4361-4366	9.6	14
187	Charge Storage Mechanism of RuO ₂ /Water Interfaces. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18975-18981	3.0	110
186	Polyanionic Solid-Solution Cathodes for Rechargeable Batteries. <i>Chemistry of Materials</i> , 2017 , 29, 3597-3602	3.0	32

185	Theoretical Analysis of Interactions between Potassium Ions and Organic Electrolyte Solvents: A Comparison with Lithium, Sodium, and Magnesium Ions. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A54-A60	3.9	186
184	Molecular Orbital Principles of Oxygen-Redox Battery Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36463-36472	9.5	89
183	Unusual Passivation Ability of Superconcentrated Electrolytes toward Hard Carbon Negative Electrodes in Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33802-33809	9.5	62
182	The crystal structure and sodium disorder of high-temperature polymorph Na_3PS_4 . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 25025-25030	13	32
181	In Vivo Redox-Responsive Sol-Gel Transition of Star Block Copolymer Solution Based on Ionic Cross-Linking. <i>Macromolecules</i> , 2017 , 50, 5539-5548	5.5	11
180	Electrochemical Li-Ion Intercalation in Octacyanotungstate-Bridged Coordination Polymer with Evidence of Three Magnetic Regimes. <i>Inorganic Chemistry</i> , 2016 , 55, 7637-46	5.1	17
179	Hydrate-melt electrolytes for high-energy-density aqueous batteries. <i>Nature Energy</i> , 2016 , 1,	62.3	498
178	Intermediate honeycomb ordering to trigger oxygen redox chemistry in layered battery electrode. <i>Nature Communications</i> , 2016 , 7, 11397	17.4	170
177	Superconcentrated electrolytes for a high-voltage lithium-ion battery. <i>Nature Communications</i> , 2016 , 7, 12032	17.4	501
176	High-Temperature Neutron and X-ray Diffraction Study of Fast Sodium Transport in Alluaudite-type Sodium Iron Sulfate. <i>Chemistry of Materials</i> , 2016 , 28, 2393-2399	9.6	25
175	Sodium-Ion Intercalation Mechanism in MXene Nanosheets. <i>ACS Nano</i> , 2016 , 10, 3334-41	16.7	315
174	Temperature Dependent Local Structure of Na_xCoO_2 Cathode Material for Rechargeable Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 4227-4232	3.8	23
173	Redox Potential Paradox in Na_xMO_2 for Sodium-Ion Battery Cathodes. <i>Chemistry of Materials</i> , 2016 , 28, 1058-1065	9.6	72
172	Increased Conductivity in the Metastable Intermediate in Li_xFePO_4 Electrode. <i>Chemistry of Materials</i> , 2016 , 28, 1101-1106	9.6	16
171	Sodium Intercalation Mechanism of 3.8 V Class Alluaudite Sodium Iron Sulfate. <i>Chemistry of Materials</i> , 2016 , 28, 5321-5328	9.6	62
170	Synthesis and Electrochemistry of $\text{Na}_{2.5}(\text{Fe}_{1-x}\text{Mn}_x)\text{SO}_4$ Solid Solutions for Na-Ion Batteries. <i>ChemElectroChem</i> , 2016 , 3, 209-213	4.3	25
169	Ionic and Electronic Transport in Alluaudite $\text{Na}_{2+2x}\text{Fe}_2(\text{SO}_4)_3$. <i>ChemElectroChem</i> , 2016 , 3, 902-905	4.3	23
168	Potentiometric Study to Reveal Reaction Entropy Behavior of Biphasic $\text{Na}_{1+2x}\text{V}_2(\text{PO}_4)_3$ Electrodes. <i>Electrochemistry</i> , 2016 , 84, 234-237	1.2	6

167	Systematic Studies on "Abundant" Battery Materials: Identification and Reaction Mechanisms. <i>Electrochemistry</i> , 2016 , 84, 654-661	1.2	4
166	Alkaline Excess Strategy to NASICON-Type Compounds towards Higher-Capacity Battery Electrodes. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A1469-A1473	3.9	25
165	Combined Experimental and Computational Analyses on the Electronic Structure of Alluaudite-Type Sodium Iron Sulfate. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 23323-23328	3.8	9
164	The water catalysis at oxygen cathodes of lithium-oxygen cells. <i>Nature Communications</i> , 2015 , 6, 7843	17.4	178
163	Off-Stoichiometry in Alluaudite-Type Sodium Iron Sulfate $\text{Na}_{2+2x}\text{Fe}_{2-x}(\text{SO}_4)_3$ as an Advanced Sodium Battery Cathode Material. <i>ChemElectroChem</i> , 2015 , 2, 1019-1023	4.3	87
162	Superior Performance of a LiO_2 Battery with Metallic RuO_2 Hollow Spheres as the Carbon-Free Cathode. <i>Advanced Energy Materials</i> , 2015 , 5, 1500294	21.8	122
161	Ab initio study of sodium intercalation into disordered carbon. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9763-9768	13	162
160	Pseudocapacitance of MXene nanosheets for high-power sodium-ion hybrid capacitors. <i>Nature Communications</i> , 2015 , 6, 6544	17.4	707
159	Review Superconcentrated Electrolytes for Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A2406-A2423	3.9	430
158	An alluaudite $\text{Na}_{2+2x}\text{Fe}_{2-x}(\text{SO}_4)_3$ ($x=0.2$) derivative phase as insertion host for lithium battery. <i>Electrochemistry Communications</i> , 2015 , 51, 19-22	5.1	49
157	Iron-oxalato framework with one-dimensional open channels for electrochemical sodium-ion intercalation. <i>Chemistry - A European Journal</i> , 2015 , 21, 1096-101	4.8	20
156	Corrosion Prevention Mechanism of Aluminum Metal in Superconcentrated Electrolytes. <i>ChemElectroChem</i> , 2015 , 2, 1627-1627	4.3	0
155	Superstructure in the Metastable Intermediate-Phase $\text{Li}_{2/3}\text{FePO}_4$ Accelerating the Lithium Battery Cathode Reaction. <i>Angewandte Chemie</i> , 2015 , 127, 9067-9070	3.6	2
154	Superstructure in the Metastable Intermediate-Phase $\text{Li}_{2/3}\text{FePO}_4$ Accelerating the Lithium Battery Cathode Reaction. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8939-42	16.4	23
153	Corrosion Prevention Mechanism of Aluminum Metal in Superconcentrated Electrolytes. <i>ChemElectroChem</i> , 2015 , 2, 1687-1694	4.3	138
152	Important factors for effective use of carbon nanotube matrices in electrochemical capacitor hybrid electrodes without binding additives. <i>RSC Advances</i> , 2015 , 5, 16101-16111	3.7	12
151	A new sealed lithium-peroxide battery with a co-doped Li_2O cathode in a superconcentrated lithium bis(fluorosulfonyl)amide electrolyte. <i>Scientific Reports</i> , 2014 , 4, 5684	4.9	61
150	Structural, magnetic and electrochemical investigation of novel binary $\text{Na}_2(\text{Fe}_{1-x}\text{Mn}_x)\text{P}_2\text{O}_7$ ($0 \leq x \leq 1$) pyrophosphate compounds for rechargeable sodium-ion batteries. <i>Solid State Ionics</i> , 2014 , 268, 305-311	3.3	31

149	Particle-size effects on the entropy behavior of a Li_xFePO_4 electrode. <i>ChemPhysChem</i> , 2014 , 15, 2156-61	3.2	21
148	A new polymorph of lithium manganese(II) pyrophosphate $\text{Li}_2\text{MnP}_2\text{O}_7$. <i>Dalton Transactions</i> , 2014 , 43, 1502-4	4.3	3
147	Defect induced sodium disorder and ionic conduction mechanism in $\text{Na}_{1.82}\text{Mg}_{1.09}\text{P}_2\text{O}_7$. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18353-18359	13	6
146	Carbon nanotube 3D current collectors for lightweight, high performance and low cost supercapacitor electrodes. <i>RSC Advances</i> , 2014 , 4, 8230	3.7	31
145	Performance-improved LiO_2 battery with Ru nanoparticles supported on binder-free multi-walled carbon nanotube paper as cathode. <i>Energy and Environmental Science</i> , 2014 , 7, 1648-1652	35.4	140
144	Phase Boundary Structure of Li_xFePO_4 Cathode Material Revealed by Atomic-Resolution Scanning Transmission Electron Microscopy. <i>Chemistry of Materials</i> , 2014 , 26, 6178-6184	9.6	22
143	A 3.8-V earth-abundant sodium battery electrode. <i>Nature Communications</i> , 2014 , 5, 4358	17.4	581
142	Role of Ligand-to-Metal Charge Transfer in O_3 -Type $\text{NaFeO}_2/\text{NaNiO}_2$ Solid Solution for Enhanced Electrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2970-2976	3.8	110
141	$\text{Li-O}(2)$ battery based on highly efficient Sb-doped tin oxide supported Ru nanoparticles. <i>Advanced Materials</i> , 2014 , 26, 4659-64	24	127
140	General observation of lithium intercalation into graphite in ethylene-carbonate-free superconcentrated electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 10892-9	9.5	142
139	Kirkite-Type $\text{Na}_2\text{Fe}(\text{SO}_4)_2 \cdot 2\text{H}_2\text{O}$ as a Novel 3.25 V Insertion Compound for Na-Ion Batteries. <i>Chemistry of Materials</i> , 2014 , 26, 1297-1299	9.6	103
138	Sacrificial Anion Reduction Mechanism for Electrochemical Stability Improvement in Highly Concentrated Li-Salt Electrolyte. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 14091-14097	3.8	141
137	Magnetic structure and properties of the rechargeable battery insertion compound $\text{Na}_2\text{FePO}_4\text{F}$. <i>Inorganic Chemistry</i> , 2014 , 53, 682-4	5.1	23
136	Sodium-ion battery cathodes $\text{Na}_2\text{FeP}_2\text{O}_7$ and $\text{Na}_2\text{MnP}_2\text{O}_7$: diffusion behaviour for high rate performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11807-11812	13	74
135	Phase separation of a hexacyanoferrate-bridged coordination framework under electrochemical Na-ion insertion. <i>Inorganic Chemistry</i> , 2014 , 53, 3141-7	5.1	23
134	Unusual stability of acetonitrile-based superconcentrated electrolytes for fast-charging lithium-ion batteries. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5039-46	16.4	729
133	Electrochemical Properties of Heterosite FePO_4 in Aqueous Mg^{2+} Electrolytes. <i>Electrochemistry</i> , 2014 , 82, 855-858	1.2	9
132	2.?????????????????????????????. <i>Electrochemistry</i> , 2014 , 82, 1085-1090	1.2	

131	1.?????????. <i>Electrochemistry</i> , 2014 , 82, 169-174	1.2	1
130	Electronic structure of $\text{Li}_2\text{Fe}_{1-x}\text{Mn}_x\text{P}_2\text{O}_7$ for lithium-ion battery studied by resonant photoemission spectroscopy. <i>Journal of Physics: Conference Series</i> , 2014 , 502, 012004	0.3	1
129	t- $\text{Na}_2(\text{VO})\text{P}_2\text{O}_7$: A 3.8 V Pyrophosphate Insertion Material for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2014 , 1, 1488-1491	4.3	47
128	Iron-based materials strategies. <i>MRS Bulletin</i> , 2014 , 39, 423-428	3.2	32
127	Spectromicroscopic analysis of lithium intercalation in spinel LiMn_2O_4 for lithium-ion battery by 3D nano-ESCA. <i>Journal of Physics: Conference Series</i> , 2014 , 502, 012013	0.3	2
126	Redox Reaction in Size-Controlled Li_xFePO_4 2014 , 1-22		
125	Magnetic structures of NaFePO_4 maricite and triphylite polymorphs for sodium-ion batteries. <i>Inorganic Chemistry</i> , 2013 , 52, 8685-93	5.1	86
124	Electrode Properties of $\text{P}_2\text{Na}_2/3\text{Mn}_y\text{Co}_{1-y}\text{O}_2$ as Cathode Materials for Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15545-15551	3.8	155
123	$\text{Na}_2\text{FeP}_2\text{O}_7$: A Safe Cathode for Rechargeable Sodium-ion Batteries. <i>Chemistry of Materials</i> , 2013 , 25, 3480-3487	9.6	243
122	General Observation of $\text{Fe}^{3+}/\text{Fe}^{2+}$ Redox Couple Close to 4 V in Partially Substituted $\text{Li}_2\text{FeP}_2\text{O}_7$ Pyrophosphate Solid-Solution Cathodes. <i>Chemistry of Materials</i> , 2013 , 25, 3623-3629	9.6	33
121	A new polymorph of $\text{Na}_2\text{MnP}_2\text{O}_7$ as a 3.6 V cathode material for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 4194	13	148
120	A superconcentrated ether electrolyte for fast-charging Li-ion batteries. <i>Chemical Communications</i> , 2013 , 49, 11194-6	5.8	258
119	Phase Diagram of Olivine Na_xFePO_4 (0 <i>Chemistry of Materials</i> , 2013 , 25, 4557-4565	9.6	83
118	Olivine Phosphate Cathode Materials, Reactivity and Reaction Mechanisms 2013 , 445-470		
117	Sodium manganese fluorosulfate with a triphylite structure. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2013 , 69, 584-8	1.8	7
116	Carbon supported TiN nanoparticles: an efficient bifunctional catalyst for non-aqueous Li-O ₂ batteries. <i>Chemical Communications</i> , 2013 , 49, 1175-7	5.8	150
115	Multi-walled carbon nanotube papers as binder-free cathodes for large capacity and reversible non-aqueous Li-O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13076	13	89
114	Ru/ITO: a carbon-free cathode for nonaqueous Li-O ₂ battery. <i>Nano Letters</i> , 2013 , 13, 4702-7	11.5	230

113	A new zero-strain material for electrochemical lithium insertion. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6550	13	15
112	Electrochemical Mg ²⁺ intercalation into a bimetallic CuFe Prussian blue analog in aqueous electrolytes. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13055	13	126
111	Magnetic structure and properties of the Na ₂ CoP ₂ O ₇ pyrophosphate cathode for sodium-ion batteries: a supersuperexchange-driven non-collinear antiferromagnet. <i>Inorganic Chemistry</i> , 2013 , 52, 395-401	5.1	39
110	Resonant photoemission spectroscopy of the cathode material Li _x Mn _{0.5} Fe _{0.5} PO ₄ for lithium-ion battery. <i>Journal of Power Sources</i> , 2013 , 226, 42-46	8.9	10
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