

Atsuo Yamada

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6166677/atsuo-yamada-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Optimized LiFePO ₄ for Lithium Battery Cathodes. <i>Journal of the Electrochemical Society</i> , 2001 , 148, A224	3.9	1559
255	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
254	Pseudocapacitance of MXene nanosheets for high-power sodium-ion hybrid capacitors. <i>Nature Communications</i> , 2015 , 6, 6544	17.4	707
253	Experimental visualization of lithium diffusion in Li _x FePO ₄ . <i>Nature Materials</i> , 2008 , 7, 707-11	27	596
252	A 3.8-V earth-abundant sodium battery electrode. <i>Nature Communications</i> , 2014 , 5, 4358	17.4	581
251	Advances and issues in developing salt-concentrated battery electrolytes. <i>Nature Energy</i> , 2019 , 4, 269-280	82.3	530
250	Superconcentrated electrolytes for a high-voltage lithium-ion battery. <i>Nature Communications</i> , 2016 , 7, 12032	17.4	501
249	Hydrate-melt electrolytes for high-energy-density aqueous batteries. <i>Nature Energy</i> , 2016 , 1,	62.3	498
248	Room-temperature miscibility gap in Li _x FePO ₄ . <i>Nature Materials</i> , 2006 , 5, 357-60	27	470
247	Review Superconcentrated Electrolytes for Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A2406-A2423	3.9	430
246	Fire-extinguishing organic electrolytes for safe batteries. <i>Nature Energy</i> , 2018 , 3, 22-29	62.3	406
245	Olivine-type cathodes. <i>Journal of Power Sources</i> , 2003 , 119-121, 232-238	8.9	350
244	Comparative Kinetic Study of Olivine Li _x MPO ₄ (M=Fe, Mn). <i>Journal of the Electrochemical Society</i> , 2004 , 151, A1352	3.9	345
243	Crystal Chemistry of the Olivine-Type Li(Mn _y Fe _{1-y})PO ₄ and (Mn _y Fe _{1-y})PO ₄ as Possible 4 V Cathode Materials for Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2001 , 148, A960	3.9	342
242	Sodium-Ion Intercalation Mechanism in MXene Nanosheets. <i>ACS Nano</i> , 2016 , 10, 3334-41	16.7	315
241	Sodium iron pyrophosphate: A novel 3.0 V iron-based cathode for sodium-ion batteries. <i>Electrochemistry Communications</i> , 2012 , 24, 116-119	5.1	268
240	A superconcentrated ether electrolyte for fast-charging Li-ion batteries. <i>Chemical Communications</i> , 2013 , 49, 11194-6	5.8	258

239	Na ₂ FeP ₂ O ₇ : A Safe Cathode for Rechargeable Sodium-ion Batteries. <i>Chemistry of Materials</i> , 2013 , 25, 3480-3487	9.6	243
238	The nature of lithium battery materials under oxygen evolution reaction conditions. <i>Journal of the American Chemical Society</i> , 2012 , 134, 16959-62	16.4	241
237	Phase Diagram of Li _x (Mn _y Fe _{1-y})PO ₄ (0 ≤ y ≤ 1). <i>Journal of the Electrochemical Society</i> , 2001 , 148, A1153	3.9	240
236	Jahn-Teller structural phase transition around 280K in LiMn ₂ O ₄ . <i>Materials Research Bulletin</i> , 1995 , 30, 715-721	5.1	240
235	Structure of Li ₂ FeSiO ₄ . <i>Journal of the American Chemical Society</i> , 2008 , 130, 13212-3	16.4	238
234	Isolation of Solid Solution Phases in Size-Controlled Li _x FePO ₄ at Room Temperature. <i>Advanced Functional Materials</i> , 2009 , 19, 395-403	15.6	232
233	New lithium iron pyrophosphate as 3.5 V class cathode material for lithium ion battery. <i>Journal of the American Chemical Society</i> , 2010 , 132, 13596-7	16.4	231
232	Ru/ITO: a carbon-free cathode for nonaqueous Li-O ₂ battery. <i>Nano Letters</i> , 2013 , 13, 4702-7	11.5	230
231	Reaction Mechanism of the Olivine-Type Li _x (Mn _{0.6} Fe _{0.4})PO ₄ (0 ≤ x ≤ 1). <i>Journal of the Electrochemical Society</i> , 2001 , 148, A747	3.9	219
230	Lithium iron borates as high-capacity battery electrodes. <i>Advanced Materials</i> , 2010 , 22, 3583-7	24	204
229	MXene as a Charge Storage Host. <i>Accounts of Chemical Research</i> , 2018 , 51, 591-599	24.3	203
228	All solid-state battery with sulfur electrode and thio-LISICON electrolyte. <i>Journal of Power Sources</i> , 2008 , 182, 621-625	8.9	200
227	Phase Change in Li _x FePO ₄ . <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A409		191
226	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
225	High-Voltage Pyrophosphate Cathodes. <i>Advanced Energy Materials</i> , 2012 , 2, 841-859	21.8	182
224	The water catalysis at oxygen cathodes of lithium-oxygen cells. <i>Nature Communications</i> , 2015 , 6, 7843	17.4	178
223	Theoretical Analysis on De-Solvation of Lithium, Sodium, and Magnesium Cations to Organic Electrolyte Solvents. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A2160-A2165	3.9	175
222	Intermediate honeycomb ordering to trigger oxygen redox chemistry in layered battery electrode. <i>Nature Communications</i> , 2016 , 7, 11397	17.4	170

221	Polyanionic Insertion Materials for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1703055	21.8	165
220	Lattice Instability in $\text{Li}(\text{Li}_x\text{Mn}_{2-x})\text{O}_4$. <i>Journal of Solid State Chemistry</i> , 1996 , 122, 160-165	3.3	164
219	Synthesis and Structural Aspects of LiMn_2O_4 as a Cathode for Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 1995 , 142, 2149-2156	3.9	163
218	Ab initio study of sodium intercalation into disordered carbon. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9763-9768	13	162
217	Electrode Properties of $\text{P}_2\text{Na}_2/3\text{MnyCo}_1-x\text{O}_2$ as Cathode Materials for Sodium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15545-15551	3.8	155
216	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
215	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
214	Electrochemical, Magnetic, and Structural Investigation of the $\text{Li}_x(\text{MnyFe}_{1-y})\text{PO}_4$ Olivine Phases. <i>Chemistry of Materials</i> , 2006 , 18, 804-813	9.6	147
213	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
212	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
211	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
210	Corrosion Prevention Mechanism of Aluminum Metal in Superconcentrated Electrolytes. <i>ChemElectroChem</i> , 2015 , 2, 1687-1694	4.3	138
209	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
208	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
207	Enhanced Li-Ion Accessibility in MXene Titanium Carbide by Steric Chloride Termination. <i>Advanced Energy Materials</i> , 2017 , 7, 1601873	21.8	124
206	Reversible hydrogen decomposition of KAlH_4 . <i>Journal of Alloys and Compounds</i> , 2003 , 353, 310-314	5.7	124
205	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
204	Highly Reversible Oxygen-Redox Chemistry at 4.1 V in $\text{Na}_4/7[\text{?}1/7\text{Mn}_6/7]\text{O}_2$ (? : Mn Vacancy). <i>Advanced Energy Materials</i> , 2018 , 8, 1800409	21.8	116

203	Role of Ligand-to-Metal Charge Transfer in O3-Type NaFeO ₂ /NaNiO ₂ Solid Solution for Enhanced Electrochemical Properties. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2970-2976	3.8	110
202	Self-standing positive electrodes of oxidized few-walled carbon nanotubes for light-weight and high-power lithium batteries. <i>Energy and Environmental Science</i> , 2012 , 5, 5437-5444	35.4	109
201	A cyclic phosphate-based battery electrolyte for high voltage and safe operation. <i>Nature Energy</i> , 2020 , 5, 291-298	62.3	104
200	Krönkite-Type Na ₂ Fe(SO ₄) ₂ ·2H ₂ 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
199	Jahn-Teller instability in spinel LiMn ₂ O ₄ . <i>Journal of Power Sources</i> , 1999 , 81-82, 73-78	8.9	95
198	Jahn-Teller transition of LiMn ₂ O ₄ studied by x-ray-absorption spectroscopy. <i>Physical Review B</i> , 1998 , 58, 8-11	3.3	94
197	Characterization of electrode/electrolyte interface for lithium batteries using in situ synchrotron X-ray reflectometry: A new experimental technique for LiCoO ₂ model electrode. <i>Journal of Power Sources</i> , 2007 , 168, 493-500	8.9	93
196	Characterization of Electrode/Electrolyte Interface with X-Ray Reflectometry and Epitaxial-Film LiMn ₂ O ₄ Electrode. <i>Journal of the Electrochemical Society</i> , 2007 , 154, A1065	3.9	93
195	Enhanced Cycling Performance of Li-O ₂ Batteries by the Optimized Electrolyte Concentration of LiTFSA in Glymes. <i>Advanced Energy Materials</i> , 2013 , 3, 532-538	21.8	90
194	Air Exposure Effect on LiFePO ₄ . <i>Electrochemical and Solid-State Letters</i> , 2008 , 11, A12		90
193	Hydrogen storage in single-walled carbon nanotube bundles and peapods. <i>Chemical Physics Letters</i> , 2002 , 358, 213-218	2.5	90
192	Molecular Orbital Principles of Oxygen-Redox Battery Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36463-36472	9.5	89
191	Multi-walled carbon nanotube papers as binder-free cathodes for large capacity and reversible non-aqueous Li ₂ O ₂ batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13076	13	89
190	Shift of redox potential and kinetics in Li _x (Mn _y Fe _{1-y})PO ₄ . <i>Journal of Power Sources</i> , 2009 , 189, 397-401	8.9	88
189	Off-Stoichiometry in Alluaudite-Type Sodium Iron Sulfate Na _{2+2x} Fe _{2-2x} (SO ₄) ₃ as an Advanced Sodium Battery Cathode Material. <i>ChemElectroChem</i> , 2015 , 2, 1019-1023	4.3	87
188	Magnetic structures of NaFePO ₄ maricite and triphylite polymorphs for sodium-ion batteries. <i>Inorganic Chemistry</i> , 2013 , 52, 8685-93	5.1	86
187	Phase Diagram of Olivine Na _x FePO ₄ (0 <i>Chemistry of Materials</i> , 2013 , 25, 4557-4565	9.6	83
186	A layer-structured Na ₂ CoP ₂ O ₇ pyrophosphate cathode for sodium-ion batteries. <i>RSC Advances</i> , 2013 , 3, 3857	3.7	82

185	Lithium-salt monohydrate melt: A stable electrolyte for aqueous lithium-ion batteries. <i>Electrochemistry Communications</i> , 2019 , 104, 106488	5.1	79
184	Kinetics of Nucleation and Growth in Two-Phase Electrochemical Reaction of Li_xFePO_4 . <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7306-7311	3.8	78
183	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
182	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
181	A Self-Assembled Breathing Interface for All-Solid-State Ceramic Lithium Batteries. <i>Electrochemical and Solid-State Letters</i> , 2004 , 7, A455		74
180	Interfacial reactions at electrode/electrolyte boundary in all solid-state lithium battery using inorganic solid electrolyte, thio-LISICON. <i>Electrochimica Acta</i> , 2008 , 53, 5045-5050	6.7	73
179	Redox Potential Paradox in Na_xMO_2 for Sodium-Ion Battery Cathodes. <i>Chemistry of Materials</i> , 2016 , 28, 1058-1065	9.6	72
178	Layered Na_2RuO_3 as a cathode material for Na-ion batteries. <i>Electrochemistry Communications</i> , 2013 , 33, 23-26	5.1	71
177	Keggin-Type Heteropolyacids as Electrode Materials for Electrochemical Supercapacitors. <i>Journal of the Electrochemical Society</i> , 1998 , 145, 737-743	3.9	71
176	Electric states of spinel $\text{Li}_x\text{Mn}_2\text{O}_4$ as a cathode of the rechargeable battery. <i>Electrochimica Acta</i> , 1996 , 41, 249-256	6.7	69
175	Negative dielectric constant of water confined in nanosheets. <i>Nature Communications</i> , 2019 , 10, 850	17.4	68
174	High-voltage pyrophosphate cathode: insights into local structure and lithium-diffusion pathways. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 13149-53	16.4	66
173	$\text{Fe}^{3+}/\text{Fe}^{2+}$ Redox Couple Approaching 4 V in $\text{Li}_2\text{M}(\text{Fe}^{1/2}\text{Mny})\text{P}_2\text{O}_7$ Pyrophosphate Cathodes. <i>Chemistry of Materials</i> , 2012 , 24, 1055-1061	9.6	66
172	LiNbO_3 thin-film optical waveguide grown by liquid phase epitaxy and its application to second-harmonic generation. <i>Journal of Applied Physics</i> , 1991 , 70, 2536-2541	2.5	66
171	Structural and magnetic properties of $\text{Li}_x(\text{MnyFe}^{1/2})\text{PO}_4$ electrode materials for Li-ion batteries. <i>Journal of Power Sources</i> , 2009 , 189, 1154-1163	8.9	65
170	All solid-state sheet battery using lithium inorganic solid electrolyte, thio-LISICON. <i>Journal of Power Sources</i> , 2009 , 194, 1085-1088	8.9	64
169	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
168	Sodium Intercalation Mechanism of 3.8 V Class Alluaudite Sodium Iron Sulfate. <i>Chemistry of Materials</i> , 2016 , 28, 5321-5328	9.6	62

167	A new sealed lithium-peroxide battery with a co-doped Li ₂ O cathode in a superconcentrated lithium bis(fluorosulfonyl)amide electrolyte. <i>Scientific Reports</i> , 2014 , 4, 5684	4.9	61
166	Observation of the highest Mn ³⁺ /Mn ²⁺ redox potential of 4.45 V in a Li ₂ MnP ₂ O ₇ pyrophosphate cathode. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24526		57
165	Synthesis, structure, and phase relationship in lithium manganese oxide spinel. <i>Journal of Materials Chemistry</i> , 2004 , 14, 1948		57
164	Polymorphs of LiFeSO ₄ F as cathode materials for lithium ion batteries - a first principle computational study. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8678-82	3.6	54
163	Fast Charging LiFePO ₄ . <i>Electrochemical and Solid-State Letters</i> , 2005 , 8, A55		54
162	Mechanism of Sodium Storage in Hard Carbon: An X-Ray Scattering Analysis. <i>Advanced Energy Materials</i> , 2020 , 10, 1903176	21.8	54
161	Nano-sized Fe ₂ O ₃ as lithium battery cathode. <i>Journal of Power Sources</i> , 2005 , 146, 323-326	8.9	52
160	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
159	Eco-efficient splash combustion synthesis of nanoscale pyrophosphate (Li ₂ FeP ₂ O ₇) positive-electrode using Fe(III) precursors. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13455		50
158	An alluaudite Na _{2+2x} Fe _{2-2x} (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	Characterization of electrode/electrolyte interface using in situ X-ray reflectometry and LiNi _{0.8} Co _{0.2} O ₂ epitaxial film electrode synthesized by pulsed laser deposition method. <i>Electrochimica Acta</i> , 2007 , 53, 871-881	6.7	49
156	Ruddlesden-Popper-Type Epitaxial Film as Oxygen Electrode for Solid-Oxide Fuel Cells. <i>Advanced Materials</i> , 2008 , 20, 4124-4128	24	49
155	t-Na ₂ (VO)P ₂ O ₇ : A 3.8 V Pyrophosphate Insertion Material for Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2014 , 1, 1488-1491	4.3	47
154	Moisture driven aging mechanism of LiFePO ₄ subjected to air exposure. <i>Electrochemistry Communications</i> , 2010 , 12, 238-241	5.1	47
153	Structural investigation of Eu ²⁺ emissions from alkaline earth zirconium phosphate. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 730-735	3.3	45
152	Synthesis and electrochemistry of monoclinic Li(M _n xFe _{1-x})BO ₃ : a combined experimental and computational study. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10690		45
151	Capacitive versus Pseudocapacitive Storage in MXene. <i>Advanced Functional Materials</i> , 2020 , 30, 2000820	15.6	43
150	Pyrophosphate Chemistry toward Safe Rechargeable Batteries. <i>Chemistry of Materials</i> , 2013 , 25, 2538-2543	4.3	43

- 149 Unveiling the Origin of Unusual Pseudocapacitance of RuO₂·nH₂O from Its Hierarchical Nanostructure by Small-Angle X-ray Scattering. *Journal of Physical Chemistry C*, **2013**, 117, 12003-12009 3.8 42
- 148 Aging of the LiNi_{1/3}Mn_{1/3}O₂ Positive Electrode Interface in Electrolyte. *Journal of the Electrochemical Society*, **2009**, 156, C180 3.9 42
- 147 Reversible Sodium Metal Electrodes: Is Fluorine an Essential Interphasial Component?. *Angewandte Chemie - International Edition*, **2019**, 58, 8024-8028 16.4 41
- 146 Surface Structure of LiNi_{0.8}Co_{0.2}O₂: a New Experimental Technique Using in Situ X-ray Diffraction and Two-Dimensional Epitaxial Film Electrodes. *Chemistry of Materials*, **2009**, 21, 2632-2640 9.6 41
- 145 Detection of surface layers using ⁷Li MAS NMR. *Journal of Materials Chemistry*, **2008**, 18, 4266 41
- 144 LiNbO₃ thin-film optical waveguide grown by liquid phase epitaxy using Li₂O-B₂O₃ flux. *Applied Physics Letters*, **1992**, 61, 2848-2850 3.4 41
- 143 Electrochemical Redox Mechanism in 3.5 V Li_{2-x}FeP₂O₇ (0 ≤ x ≤ 1) Pyrophosphate Cathode. *Chemistry of Materials*, **2012**, 24, 2598-2603 9.6 40
- 142 Magnetic structure and properties of the Na₂CoP₂O₇ pyrophosphate cathode for sodium-ion batteries: a supersuperexchange-driven non-collinear antiferromagnet. *Inorganic Chemistry*, **2013**, 52, 395-401 5.1 39
- 141 Coulombic self-ordering upon charging a large-capacity layered cathode material for rechargeable batteries. *Nature Communications*, **2019**, 10, 2185 17.4 38
- 140 Synthesis, structure, and electrochemical properties of epitaxial perovskite La_{0.8}Sr_{0.2}CoO₃ film on YSZ substrate. *Solid State Ionics*, **2006**, 177, 535-540 3.3 38
- 139 Relationship between surface chemistry and electrochemical behavior of LiNi_{1/2}Mn_{1/2}O₂ positive electrode in a lithium-ion battery. *Journal of Power Sources*, **2011**, 196, 4791-4800 8.9 37
- 138 More on the reactivity of olivine LiFePO₄ nano-particles with atmosphere at moderate temperature. *Journal of Power Sources*, **2011**, 196, 2155-2163 8.9 37
- 137 New three-dimensional electrode structure for the lithium battery: Nano-sized Fe₂O₃ in a mesoporous carbon matrix. *Journal of Power Sources*, **2011**, 196, 4741-4746 8.9 37
- 136 Large-scale rooted growth of aligned super bundles of single-walled carbon nanotubes using a directed arc plasma method. *Chemical Physics Letters*, **2001**, 343, 7-14 2.5 37
- 135 Relationship between structural characteristics and photoluminescent properties of (La_{1-x}Eu_x)₂M₂O₇ (M=Zr, Hf, Sn) pyrochlores. *Journal of Luminescence*, **2008**, 128, 1819-1825 3.8 36
- 134 Purification and alignment of arc-synthesis single-walled carbon nanotube bundles. *Chemical Physics Letters*, **2002**, 356, 567-572 2.5 36
- 133 High-Voltage Cr⁴⁺/Cr³⁺ Redox Couple in Polyanion Compounds. *ACS Applied Energy Materials*, **2018**, 1, 928-931 6.1 35
- 132 Optimized Nonflammable Concentrated Electrolytes by Introducing a Low-Dielectric Diluent. *ACS Applied Materials & Interfaces*, **2019**, 11, 35770-35776 9.5 34

131	Liquid phase epitaxial growth of LiNbO ₃ thin film using Li ₂ O-B ₂ O ₃ flux system. <i>Journal of Crystal Growth</i> , 1993 , 132, 48-60	1.6	34
130	Multiorbital bond formation for stable oxygen-redox reaction in battery electrodes. <i>Energy and Environmental Science</i> , 2020 , 13, 1492-1500	35.4	33
129	General Observation of Fe ³⁺ /Fe ²⁺ Redox Couple Close to 4 V in Partially Substituted Li ₂ FeP ₂ O ₇ Pyrophosphate Solid-Solution Cathodes. <i>Chemistry of Materials</i> , 2013 , 25, 3623-3629	9.6	33
128	Polyanionic Solid-Solution Cathodes for Rechargeable Batteries. <i>Chemistry of Materials</i> , 2017 , 29, 3597-3602	9.6	32
127	The crystal structure and sodium disorder of high-temperature polymorph Na ₃ PS ₄ . <i>Journal of Materials Chemistry A</i> , 2017 , 5, 25025-25030	13	32
126	Iron-based materials strategies. <i>MRS Bulletin</i> , 2014 , 39, 423-428	3.2	32
125	Structural, magnetic and electrochemical investigation of novel binary Na ₂ (Fe _{1-x} Mny)P ₂ O ₇ (0 ≤ x ≤ 1) pyrophosphate compounds for rechargeable sodium-ion batteries. <i>Solid State Ionics</i> , 2014 , 268, 305-311	3.3	31
124	Carbon nanotube 3D current collectors for lightweight, high performance and low cost supercapacitor electrodes. <i>RSC Advances</i> , 2014 , 4, 8230	3.7	31
123	Dense Charge Accumulation in MXene with a Hydrate-Melt Electrolyte. <i>Chemistry of Materials</i> , 2019 , 31, 5190-5196	9.6	29
122	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
121	Reversible solid state redox of an octacyanomethylate-bridged coordination polymer by electrochemical ion insertion/extraction. <i>Inorganic Chemistry</i> , 2013 , 52, 3772-9	5.1	29
120	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
119	Electrochromism of Li _x FePO ₄ Induced by Intervalence Charge Transfer Transition. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 15259-15264	3.8	28
118	High-Throughput Solution Combustion Synthesis of High-Capacity LiFeBO ₃ Cathode. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A3095-A3099	3.9	28
117	Phase segregation of Li _x Mn ₂ O ₄ (0.6). <i>Solid State Ionics</i> , 2000 , 130, 221-228	3.3	28
116	Formation of a Solid Electrolyte Interphase in Hydrate-Melt Electrolytes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45554-45560	9.5	27
115	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
114	Synthesis and Electrochemistry of Na _{2.5} (Fe _{1-x} Mny) _{1.75} (SO ₄) ₃ Solid Solutions for Na-Ion Batteries. <i>ChemElectroChem</i> , 2016 , 3, 209-213	4.3	25

- 113 Alkaline Excess Strategy to NASICON-Type Compounds towards Higher-Capacity Battery Electrodes. *Journal of the Electrochemical Society*, **2016**, 163, A1469-A1473 3.9 25
- 112 First-Principles Study on the Peculiar Water Environment in a Hydrate-Melt Electrolyte. *Journal of Physical Chemistry Letters*, **2019**, 10, 6301-6305 6.4 24
- 111 Neutron diffraction study of the Li-ion battery cathode $\text{Li}_2\text{FeP}_2\text{O}_7$. *Inorganic Chemistry*, **2013**, 52, 3334-3341 5.1 24
- 110 Effect of chemical oxidation for nano-size Fe_2O_3 as lithium battery cathode. *Journal of Power Sources*, **2007**, 165, 403-407 8.9 24
- 109 Sulfate-Based Cathode Materials for Li- and Na-Ion Batteries. *Chemical Record*, **2018**, 18, 1394-1408 6.6 24
- 108 Oxygen redox in hexagonal layered Na_xTMO_3 (TM = 4d elements) for high capacity Na ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 3747-3753 13 23
- 107 Temperature Dependent Local Structure of Na_xCoO_2 Cathode Material for Rechargeable Sodium-Ion Batteries. *Journal of Physical Chemistry C*, **2016**, 120, 4227-4232 3.8 23
- 106 Magnetic structure and properties of the rechargeable battery insertion compound $\text{Na}_2\text{FePO}_4\text{F}$. *Inorganic Chemistry*, **2014**, 53, 682-4 5.1 23
- 105 Phase separation of a hexacyanoferrate-bridged coordination framework under electrochemical na-ion insertion. *Inorganic Chemistry*, **2014**, 53, 3141-7 5.1 23
- 104 Superstructure in the Metastable Intermediate-Phase $\text{Li}_{2/3}\text{FePO}_4$ Accelerating the Lithium Battery Cathode Reaction. *Angewandte Chemie - International Edition*, **2015**, 54, 8939-42 16.4 23
- 103 Ionic and Electronic Transport in Alluaudite $\text{Na}_{2+2x}\text{Fe}_2\text{O}_{10}(\text{SO}_4)_3$. *ChemElectroChem*, **2016**, 3, 902-905 4.3 23
- 102 Phase Boundary Structure of Li_xFePO_4 Cathode Material Revealed by Atomic-Resolution Scanning Transmission Electron Microscopy. *Chemistry of Materials*, **2014**, 26, 6178-6184 9.6 22
- 101 Demonstration of $\text{Co}^{3+}/\text{Co}^{2+}$ Electrochemical Activity in LiCoBO_3 Cathode at 4.0 V. *ECS Electrochemistry Letters*, **2013**, 2, A75-A77 22
- 100 Characterization of interphases appearing on $\text{LiNi}_{0.5}\text{Mn}_{0.5}\text{O}_2$ using ^7Li MAS NMR. *Journal of Power Sources*, **2009**, 189, 557-560 8.9 22
- 99 Particle-size effects on the entropy behavior of a Li_xFePO_4 electrode. *ChemPhysChem*, **2014**, 15, 2156-61 3.2 21
- 98 Mechanistic study on lithium intercalation using a restricted reaction field in $\text{LiNi}_{0.5}\text{Mn}_{0.5}\text{O}_2$. *Journal of Power Sources*, **2007**, 174, 678-682 8.9 21
- 97 Nonpolarizing oxygen-redox capacity without O-O dimerization in NaMnO . *Nature Communications*, **2021**, 12, 631 17.4 21
- 96 Iron-oxalato framework with one-dimensional open channels for electrochemical sodium-ion intercalation. *Chemistry - A European Journal*, **2015**, 21, 1096-101 4.8 20

95	A 62 m K-ion aqueous electrolyte. <i>Electrochemistry Communications</i> , 2020 , 116, 106764	5.1	20
94	Cobalt-Free O ₂ -Type Lithium-Rich Layered Oxides. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A3630-A3633	3.9	19
93	Tailoring the electrochemical properties of composite electrodes by introducing surface redox-active oxide film: VO(x)-impregnated LiFePO ₄ electrode. <i>Chemical Communications</i> , 2010 , 46, 2572-4	5.8	19
92	Challenges toward higher temperature operation of LiFePO ₄ . <i>Journal of Power Sources</i> , 2012 , 214, 166-170	1.7	18
91	Electrochemical Luminescence of Rare Earth Metal Ion Doped MgIn ₂ O ₄ Electrodes. <i>Journal of the Electrochemical Society</i> , 2006 , 153, H45	3.9	18
90	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
89	Increased Conductivity in the Metastable Intermediate in Li _x FePO ₄ Electrode. <i>Chemistry of Materials</i> , 2016 , 28, 1101-1106	9.6	16
88	Direct solid-state synthesis and large-capacity anode operation of Li ₃ FexN. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10021		16
87	A new zero-strain material for electrochemical lithium insertion. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6550	13	15
86	Enabling the Li-ion conductivity of Li-metal fluorosulphates by ionic liquid grafting. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1743-1751	2.6	15
85	Photorefractive damage in LiNbO ₃ thin-film optical waveguides grown by liquid phase epitaxy. <i>Journal of Applied Physics</i> , 1994 , 76, 1776-1783	2.5	15
84	Effect of uniaxial pressure on the 222-K structural phase transition of hexagonal BaTiO ₃ . <i>Physical Review B</i> , 1991 , 43, 4473-4480	3.3	15
83	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
82	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
81	Production of single-walled carbon nanotube ropes under controlled gas flow conditions. <i>Chemical Physics Letters</i> , 2001 , 346, 356-360	2.5	14
80	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
79	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
78	Concentrated Electrolytes Widen the Operating Temperature Range of Lithium-Ion Batteries. <i>Advanced Science</i> , 2021 , 8, e2101646	13.6	14

77	Redox-Driven Spin Transition in a Layered Battery Cathode Material. <i>Chemistry of Materials</i> , 2019 , 31, 2358-2365	9.6	13
76	Rational Electrolyte Design to Form Inorganic/Polymeric Interphase on Silicon-Based Anodes. <i>ACS Energy Letters</i> , 2021 , 6, 1811-1820	20.1	13
75	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
74	Topochemical synthesis of phase-pure MoAlB through staging mechanism. <i>Chemical Communications</i> , 2019 , 55, 9295-9298	5.8	12
73	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
72	Unique control of bulk reactivity by surface phenomena in a positive electrode of lithium battery. <i>Electrochemistry Communications</i> , 2008 , 10, 1897-1900	5.1	12
71	Designing positive electrodes with high energy density for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7407-7421	13	12
70	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
69	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
68	Resonant Photoemission Spectroscopy of the Cathode Material Li _x FePO ₄ for Lithium Ion Battery. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 25519-25522	3.8	11
67	Frontiers in Theoretical Analysis of Solid Electrolyte Interphase Formation Mechanism. <i>Advanced Materials</i> , 2021 , 33, e2100574	24	11
66	Charge Storage Mechanism of RuO ₂ /Water Interfaces. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18975-18981	10	10
65	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
64	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
63	Alluaudite Battery Cathodes. <i>Small Methods</i> , 2020 , 4, 2000051	12.8	10
62	Electrochemical Properties of Heterosite FePO ₄ in Aqueous Mg ²⁺ Electrolytes. <i>Electrochemistry</i> , 2014 , 82, 855-858	1.2	9
61	Anisotropic catalytic activity of the orientation controlled Nd ₂ NiO ₄ + λ YSZ hetero-epitaxial system for SOFC cathode. <i>Electrochemistry Communications</i> , 2010 , 12, 1690-1693	5.1	9
60	Magnetic properties of Li(MnyFe _{1-y})PO ₄ and its delithiated phases. <i>Applied Physics Letters</i> , 2005 , 87, 252503	3.4	9

59	Stability of conductive carbon additives in 5V-class Li-ion batteries. <i>Carbon</i> , 2020 , 158, 766-771	10.4	9
58	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
57	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
56	Combined Theoretical and Experimental Studies of Sodium Battery Materials. <i>Chemical Record</i> , 2019 , 19, 792	6.6	8
55	Theoretical analysis of electrode-dependent interfacial structures on hydrate-melt electrolytes. <i>Journal of Chemical Physics</i> , 2020 , 152, 124706	3.9	8
54	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
53	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
52	Synthesis of Li_xMnO_2 by chemical lithiation in an aqueous media. <i>Journal of Power Sources</i> , 2010 , 195, 3328-3332	8.9	8
51	Single-crystal growth of $\text{Tl}_2\text{Ru}_2\text{O}_7$ pyrochlore using high-pressure and flux method. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 935-940	3.3	8
50	?????????2?????????????????Electrochemistry, 2003 , 71, 717-722	1.2	8
49	A $[\text{Fe}(\text{Tp})(\text{CN})]$ 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
48	Sodium manganese fluorosulfate with a triplite structure. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2013 , 69, 584-8	1.8	7
47	Chemically oxidized manganese dioxides for lithium secondary batteries. <i>Journal of Power Sources</i> , 2007 , 174, 1137-1141	8.9	7
46	Oxygen Redox Promoted by Na Excess and Covalency in Hexagonal and Monoclinic Na_2RuO_3 Polymorphs. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A5343-A5348	3.9	6
45	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
44	Enriching Battery Chemistry. <i>Joule</i> , 2018 , 2, 371-372	27.8	6
43	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
42	High-Voltage Pyrophosphate Cathode: Insights into Local Structure and Lithium-Diffusion Pathways. <i>Angewandte Chemie</i> , 2012 , 124, 13326-13330	3.6	6

41	New anti-fluorite solid-solution phases in Li-Ti-N ternary system. <i>Journal of the Ceramic Society of Japan</i> , 2009 , 117, 52-55	1	6
40	Defect Structure of LiMn ₂ O ₄ after High-Temperature Storage. <i>Electrochemistry</i> , 2003 , 71, 1160-1161	1.2	6
39	Potentiometric Study to Reveal Reaction Entropy Behavior of Biphasic Na _{1+2x} V ₂ (PO ₄) ₃ Electrodes. <i>Electrochemistry</i> , 2016 , 84, 234-237	1.2	6
38	A Fe-rich sodium iron orthophosphate as cathode material for rechargeable batteries. <i>Electrochemistry Communications</i> , 2017 , 79, 51-54	5.1	5
37	Chemically oxidized δ -MnO ₂ for lithium secondary batteries: structure and intercalation/deintercalation properties. <i>Journal of Materials Chemistry</i> , 2009 ,		5
36	Electrochemical luminescence of Mg _{1-x} Ca _x In ₂ O ₄ :Er ³⁺ electrodes. <i>Journal of Luminescence</i> , 2008 , 128, 1679-1683	3.8	4
35	Electrolysis of Water Vapor Using a Fullerene-Based Electrolyte. <i>Electrochemical and Solid-State Letters</i> , 2002 , 5, A74		4
34	Systematic Studies on “Abundant” Battery Materials: Identification and Reaction Mechanisms. <i>Electrochemistry</i> , 2016 , 84, 654-661	1.2	4
33	A new polymorph of lithium manganese(II) pyrophosphate δ -Li ₂ MnP ₂ O ₇ . <i>Dalton Transactions</i> , 2014 , 43, 1502-4	4.3	3
32	All Solid-State Batteries Using Super Ionic Conductor, Thio-Lisicon Electrode/Electrolyte interfacial Design. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 835, K11.1.1		3
31	Optimal water concentration for aqueous Li intercalation in vanadyl phosphate. <i>Chemical Science</i> , 2021 , 12, 4450-4454	9.4	3
30	Reversible Sodium Metal Electrodes: Is Fluorine an Essential Interphasial Component?. <i>Angewandte Chemie</i> , 2019 , 131, 8108-8112	3.6	2
29	Corrigendum to “Layered Na ₂ RuO ₃ as a cathode material for Na-ion batteries” [<i>Electrochemistry Communications</i> 33 (2013) 2306]. <i>Electrochemistry Communications</i> , 2013 , 34, 360	5.1	2
28	Superstructure in the Metastable Intermediate-Phase Li _{2/3} FePO ₄ Accelerating the Lithium Battery Cathode Reaction. <i>Angewandte Chemie</i> , 2015 , 127, 9067-9070	3.6	2
27	Spectromicroscopic analysis of lithium intercalation in spinel LiMn ₂ O ₄ for lithium-ion battery by 3D nano-ESCA. <i>Journal of Physics: Conference Series</i> , 2014 , 502, 012013	0.3	2
26	Intermediate Phases in Li _x FePO ₄ . <i>Materials Research Society Symposia Proceedings</i> , 2006 , 972, 1		2
25	High-Voltage Polyanion Positive Electrode Materials. <i>Molecules</i> , 2021 , 26, 5143	4.8	2
24	Square-Scheme Electrochemistry in Battery Electrodes. <i>Accounts of Materials Research</i> ,	7.5	2

23	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
22	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
21	Oxygen Redox Versus Oxygen Evolution in Aqueous Electrolytes: Critical Influence of Transition Metals.. <i>Advanced Science</i> , 2022 , e2104907	13.6	2
20	Does Spinel Serve as a Rigid Framework for Oxygen Redox?. <i>Chemistry of Materials</i> , 2020 , 32, 7181-7187	9.6	1
19	1.?????????. <i>Electrochemistry</i> , 2014 , 82, 169-174	1.2	1
18	Electronic structure of Li ₂ Fe _{1-x} Mn _x P ₂ O ₇ for lithium-ion battery studied by resonant photoemission spectroscopy. <i>Journal of Physics: Conference Series</i> , 2014 , 502, 012004	0.3	1
17	Uniaxial-pressure effect on the 222K phase transition in hexagonal-batio ₃ . <i>Ferroelectrics</i> , 1989 , 96, 237-246	2.6	1
16	Possible high-potential ilmenite type Na ₁ MO ₃ (M=V□i) cathodes realized by dominant oxygen redox reaction. <i>Physical Review Materials</i> , 2020 , 4,	3.2	1
15	Soft X-ray Emission Studies on Hydrate-Melt Electrolytes. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 11534-11539	3.4	1
14	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
13	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
12	Corrosion Prevention Mechanism of Aluminum Metal in Superconcentrated Electrolytes. <i>ChemElectroChem</i> , 2015 , 2, 1627-1627	4.3	0
11	Pseudocapacitors: Capacitive versus Pseudocapacitive Storage in MXene (Adv. Funct. Mater. 47/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070312	15.6	0
10	Lithium-Rich O ₂ -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
9	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	
8	2.?????????????????????????????????. <i>Electrochemistry</i> , 2014 , 82, 1085-1090	1.2	
7	Olivine Phosphate Cathode Materials, Reactivity and Reaction Mechanisms 2013 , 445-470		
6	Pyrophosphate Chemistry Towards High-Voltage, High Power, and Safe Rechargeable Batteries. <i>Hyomen Kagaku</i> , 2013 , 34, 296-302		

- 5 1.?????????????. *Electrochemistry*, **2012**, 80, 34-38 1.2
- 4 (Invited) Probing Redox Centers in Oxygen-Redox Electrodes Using Soft X-Ray Spectroscopy. *ECS Meeting Abstracts*, **2020**, MA2020-02, 165-165 ○
- 3 Exploring Novel Nano-composite Strong Ionic Compounds for Lithium Storage. *Hosokawa Powder Technology Foundation ANNUAL REPORT*, **2005**, 13, 89-92 ○
- 2 MXenes for Batteries **2019**, 367-379
- 1 Redox Reaction in Size-Controlled Li_xFePO_4 **2014**, 1-22