Atsuo Yamada

List of Publications by Year
in descending order

274 papers	27,303 citations	5558 82 h-index	5965 160 g-index
295 all docs	295 docs citations	295 times ranked	16987 citing authors

#	Article	IF	Citations
1	Optimized LiFePO[sub 4] for Lithium Battery Cathodes. Journal of the Electrochemical Society, 2001, 148, A224.	1.3	1,703
2	Unusual Stability of Acetonitrile-Based Superconcentrated Electrolytes for Fast-Charging Lithium-Ion Batteries. Journal of the American Chemical Society, 2014, 136, 5039-5046.	6.6	1,046
3	Advances and issues in developing salt-concentrated battery electrolytes. Nature Energy, 2019, 4, 269-280.	19.8	1,026
4	Pseudocapacitance of MXene nanosheets for high-power sodium-ion hybrid capacitors. Nature Communications, 2015, 6, 6544.	5.8	873
5	Superconcentrated electrolytes for a high-voltage lithium-ion battery. Nature Communications, 2016, 7, 12032.	5.8	730
6	Hydrate-melt electrolytes for high-energy-density aqueous batteries. Nature Energy, 2016, 1, .	19.8	712
7	A 3.8-V earth-abundant sodium battery electrode. Nature Communications, 2014, 5, 4358.	5.8	676
8	Experimental visualization of lithium diffusion in LixFePO4. Nature Materials, 2008, 7, 707-711.	13.3	647
9	Fire-extinguishing organic electrolytes for safe batteries. Nature Energy, 2018, 3, 22-29.	19.8	642
10	Reviewâ€"Superconcentrated Electrolytes for Lithium Batteries. Journal of the Electrochemical Society, 2015, 162, A2406-A2423.	1.3	607
11	Room-temperature miscibility gap in LixFePO4. Nature Materials, 2006, 5, 357-360.	13.3	507
12	Sodium-Ion Intercalation Mechanism in MXene Nanosheets. ACS Nano, 2016, 10, 3334-3341.	7.3	448
13	Olivine-type cathodes. Journal of Power Sources, 2003, 119-121, 232-238.	4.0	381
14	Crystal Chemistry of the Olivine-Type Li(Mn[sub y]Fe[sub 1âˆ'y])PO[sub 4] and (Mn[sub y]Fe[sub) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Society, 2001, 148, A960.	1.3	375
15	Comparative Kinetic Study of Olivine Li[sub x]MPO[sub 4] (M=Fe, Mn). Journal of the Electrochemical Society, 2004, 151, A1352.	1.3	363
16	A superconcentrated ether electrolyte for fast-charging Li-ion batteries. Chemical Communications, 2013, 49, 11194.	2.2	340
17	Sodium iron pyrophosphate: A novel 3.0 V iron-based cathode for sodium-ion batteries. Electrochemistry Communications, 2012, 24, 116-119.	2.3	313
18	MXene as a Charge Storage Host. Accounts of Chemical Research, 2018, 51, 591-599.	7.6	309

#	Article	IF	Citations
19	Na₂FeP₂O₇: A Safe Cathode for Rechargeable Sodium-ion Batteries. Chemistry of Materials, 2013, 25, 3480-3487.	3.2	291
20	The Nature of Lithium Battery Materials under Oxygen Evolution Reaction Conditions. Journal of the American Chemical Society, 2012, 134, 16959-16962.	6.6	287
21	Jahn-Teller structural phase transition around 280K in LiMn2O4. Materials Research Bulletin, 1995, 30, 715-721.	2.7	282
22	Theoretical Analysis of Interactions between Potassium Ions and Organic Electrolyte Solvents: A Comparison with Lithium, Sodium, and Magnesium Ions. Journal of the Electrochemical Society, 2017, 164, A54-A60.	1.3	276
23	Polyanionic Insertion Materials for Sodiumâ€Ion Batteries. Advanced Energy Materials, 2018, 8, 1703055.	10.2	267
24	Phase Diagram of Li[sub x](Mn[sub y]Fe[sub 1âˆ’y])PO[sub 4] (0â‰x, yâ‰1). Journal of the Electrochemical Society, 2001, 148, A1153.	1.3	265
25	New Lithium Iron Pyrophosphate as 3.5 V Class Cathode Material for Lithium Ion Battery. Journal of the American Chemical Society, 2010, 132, 13596-13597.	6.6	257
26	Structure of Li₂FeSiO₄. Journal of the American Chemical Society, 2008, 130, 13212-13213.	6.6	254
27	Isolation of Solid Solution Phases in Sizeâ€Controlled Li_{<i>x</i>}FePO₄ at Room Temperature. Advanced Functional Materials, 2009, 19, 395-403.	7.8	254
28	A cyclic phosphate-based battery electrolyte for high voltage and safe operation. Nature Energy, 2020, 5, 291-298.	19.8	250
29	Ru/ITO: A Carbon-Free Cathode for Nonaqueous Liâ€“O₂ Battery. Nano Letters, 2013, 13, 4702-4707.	4.5	241
30	Reaction Mechanism of the Olivine-Type Li[sub x](Mn[sub 0.6]Fe[sub 0.4])PO[sub 4] (0â‰xâ‰1). Journal of the Electrochemical Society, 2001, 148, A747.	1.3	237
31	Intermediate honeycomb ordering to trigger oxygen redox chemistry in layered battery electrode. Nature Communications, 2016, 7, 11397.	5.8	232
32	All solid-state battery with sulfur electrode and thio-LISICON electrolyte. Journal of Power Sources, 2008, 182, 621-625.	4.0	229
33	Theoretical Analysis on De-Solvation of Lithium, Sodium, and Magnesium Cations to Organic Electrolyte Solvents. Journal of the Electrochemical Society, 2013, 160, A2160-A2165.	1.3	227
34	Lithium Iron Borates as Highâ€Capacity Battery Electrodes. Advanced Materials, 2010, 22, 3583-3587.	11.1	218
35	Phase Change in Li[sub x]FePO[sub 4]. Electrochemical and Solid-State Letters, 2005, 8, A409.	2.2	212
36	Enhanced Liâ€Ion Accessibility in MXene Titanium Carbide by Steric Chloride Termination. Advanced Energy Materials, 2017, 7, 1601873.	10.2	212

#	Article	IF	Citations
37	Highâ€Voltage Pyrophosphate Cathodes. Advanced Energy Materials, 2012, 2, 841-859.	10.2	208
38	The water catalysis at oxygen cathodes of lithiumâ€"oxygen cells. Nature Communications, 2015, 6, 7843.	5.8	206
39	Synthesis and Structural Aspects of LiMn2â€‰Oâ€‰4â€‰Â±â€‰Î´ as a Cathode for Rechargeable Lithium Batteries. Journal of the Electrochemical Society, 1995, 142, 2149-2156.	1.3	205
40	Corrosion Prevention Mechanism of Aluminum Metal in Superconcentrated Electrolytes. ChemElectroChem, 2015, 2, 1687-1694.	1.7	204
41	Lattice Instability in Li(LixMn2â^'x)O4. Journal of Solid State Chemistry, 1996, 122, 160-165.	1.4	197
42	Ab initio study of sodium intercalation into disordered carbon. Journal of Materials Chemistry A, 2015, 3, 9763-9768.	5.2	193
43	Sacrificial Anion Reduction Mechanism for Electrochemical Stability Improvement in Highly Concentrated Li-Salt Electrolyte. Journal of Physical Chemistry C, 2014, 118, 14091-14097.	1.5	183
44	General Observation of Lithium Intercalation into Graphite in Ethylene-Carbonate-Free Superconcentrated Electrolytes. ACS Applied Materials & Interfaces, 2014, 6, 10892-10899.	4.0	179
45	A new polymorph of Na2MnP2O7 as a 3.6 V cathode material for sodium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 4194.	5.2	175
46	Electrode Properties of P2â€"Na_{2/3}Mn_{<i>y</i>}Co_{1â€"<i>y</i>}O₂ as Cathode Materials for Sodium-Ion Batteries. Journal of Physical Chemistry C, 2013, 117, 15545-15551.	1.5	174
47	Highly Reversible Oxygenâ€Redox Chemistry at 4.1 V in Na_{4/7â^'}<i>_x</i>[â–¡_{1/7}Mn_{6/7}]O₂ (â–¡: Mn) Tj ETQq1 1 0.784314 rg	[illegible]	[illegible]
48	Electrochemical, Magnetic, and Structural Investigation of the Lix(MnyFe1-y)PO4Olivine Phases. Chemistry of Materials, 2006, 18, 804-813.	3.2	162
49	Performance-improved Liâ€"O₂ battery with Ru nanoparticles supported on binder-free multi-walled carbon nanotube paper as cathode. Energy and Environmental Science, 2014, 7, 1648-1652.	15.6	156
50	Carbon supported TiN nanoparticles: an efficient bifunctional catalyst for non-aqueous Liâ€"O2 batteries. Chemical Communications, 2013, 49, 1175.	2.2	154
51	Electrochemical Mg2+ intercalation into a bimetallic CuFe Prussian blue analog in aqueous electrolytes. Journal of Materials Chemistry A, 2013, 1, 13055.	5.2	151
52	Molecular Orbital Principles of Oxygen-Redox Battery Electrodes. ACS Applied Materials & Interfaces, 2017, 9, 36463-36472.	4.0	146
53	Reversible hydrogen decomposition of KAlH4. Journal of Alloys and Compounds, 2003, 353, 310-314.	2.8	139
54	Superior Performance of a Liâ€"O₂ Battery with Metallic RuO₂ Hollow Spheres as the Carbonâ€Free Cathode. Advanced Energy Materials, 2015, 5, 1500294.	10.2	139

#	Article	IF	Citations
55	Role of Ligand-to-Metal Charge Transfer in O3-Type NaFeO₂â€“NaNiO₂ Solid Solution for Enhanced Electrochemical Properties. Journal of Physical Chemistry C, 2014, 118, 2970-2976.	1.5	137
56	Liâ€O₂ Battery Based on Highly Efficient Sbâ€Doped Tin Oxide Supported Ru Nanoparticles. Advanced Materials, 2014, 26, 4659-4664.	11.1	133
57	Mechanism of Sodium Storage in Hard Carbon: An Xâ€Ray Scattering Analysis. Advanced Energy Materials, 2020, 10, 1903176.	10.2	131
58	Self-standing positive electrodes of oxidized few-walled carbon nanotubes for light-weight and high-power lithium batteries. Energy and Environmental Science, 2012, 5, 5437-5444.	15.6	130
59	KrÃ¶hnkite-Type Na₂Fe(SO₄)₂Â·2H₂O as a Novel 3.25 V Insertion Compound for Na-Ion Batteries. Chemistry of Materials, 2014, 26, 1297-1299.	3.2	128
60	Lithium-salt monohydrate melt: A stable electrolyte for aqueous lithium-ion batteries. Electrochemistry Communications, 2019, 104, 106488.	2.3	127
61	Magnetic Structures of NaFePO₄ Maricite and Triphylite Polymorphs for Sodium-Ion Batteries. Inorganic Chemistry, 2013, 52, 8685-8693.	1.9	121
62	Jahnâ€“Teller instability in spinel Liâ€“Mnâ€“O. Journal of Power Sources, 1999, 81-82, 73-78.	4.0	116
63	Negative dielectric constant of water confined in nanosheets. Nature Communications, 2019, 10, 850.	5.8	116
64	Enhanced Cycling Performance of Liâ€O₂ Batteries by the Optimized Electrolyte Concentration of LiTFSA in Glymes. Advanced Energy Materials, 2013, 3, 532-538.	10.2	108
65	Characterization of Electrode/Electrolyte Interface with X-Ray Reflectometry and Epitaxial-Film LiMn[sub 2]O[sub 4] Electrode. Journal of the Electrochemical Society, 2007, 154, A1065.	1.3	104
66	A layer-structured Na2CoP2O7 pyrophosphate cathode for sodium-ion batteries. RSC Advances, 2013, 3, 3857.	1.7	104
67	Characterization of electrode/electrolyte interface for lithium batteries using in situ synchrotron X-ray reflectometryâ€”A new experimental technique for LiCoO2 model electrode. Journal of Power Sources, 2007, 168, 493-500.	4.0	102
68	Phase Diagram of Olivine Na_{<i>x</i>}FePO₄ (0 < <i>x</i> < 1). Chemistry of Materials, 2013, 25, 4557-4565.	3.2	102
69	Offâ€Stoichiometry in Alluauditeâ€Type Sodium Iron Sulfate Na_{2+2<i>x</i>}Fe_{2âˆ’<i>x</i>}(SO₄)₃ as an Advanced Sodium Battery Cathode Material. ChemElectroChem, 2015, 2, 1019-1023.	1.7	102
70	Jahn-Teller transition ofLiMn2O4studied by x-ray-absorption spectroscopy. Physical Review B, 1998, 58, 8-11.	1.1	101
71	Multi-walled carbon nanotube papers as binder-free cathodes for large capacity and reversible non-aqueous Liâ€“O2 batteries. Journal of Materials Chemistry A, 2013, 1, 13076.	5.2	101
72	Superconcentrated Electrolytes to Create New Interfacial Chemistry in Non-aqueous and Aqueous Rechargeable Batteries. Chemistry Letters, 2017, 46, 1056-1064.	0.7	101

#	Article	IF	Citations
73	Air Exposure Effect on LiFePO[sub 4]. Electrochemical and Solid-State Letters, 2008, 11, A12.	2.2	98
74	Shift of redox potential and kinetics in Lix(MnyFe1âˆ’y)PO4. Journal of Power Sources, 2009, 189, 397-401.	4.0	98
75	Hydrogen storage in single-walled carbon nanotube bundles and peapods. Chemical Physics Letters, 2002, 358, 213-218.	1.2	97
76	Redox Potential Paradox in Na_{<i>x</i>}MO₂ for Sodium-Ion Battery Cathodes. Chemistry of Materials, 2016, 28, 1058-1065.	3.2	93
77	Layered Na2RuO3 as a cathode material for Na-ion batteries. Electrochemistry Communications, 2013, 33, 23-26.	2.3	92
78	Sodium-ion battery cathodes Na₂FeP₂O₇ and Na₂MnP₂O₇: diffusion behaviour for high rate performance. Journal of Materials Chemistry A, 2014, 2, 11807-11812.	5.2	92
79	Interfacial reactions at electrode/electrolyte boundary in all solid-state lithium battery using inorganic solid electrolyte, thio-LISICON. Electrochimica Acta, 2008, 53, 5045-5050.	2.6	90
80	Kinetics of Nucleation and Growth in Two-Phase Electrochemical Reaction of Li_{<i>x</i>}FePO₄. Journal of Physical Chemistry C, 2012, 116, 7306-7311.	1.5	88
81	A Self-Assembled Breathing Interface for All-Solid-State Ceramic Lithium Batteries. Electrochemical and Solid-State Letters, 2004, 7, A455.	2.2	87
82	All solid-state sheet battery using lithium inorganic solid electrolyte, thio-LISICON. Journal of Power Sources, 2009, 194, 1085-1088.	4.0	83
83	Electric states of spinel LixMn2O4 as a cathode of the rechargeable battery. Electrochimica Acta, 1996, 41, 249-256.	2.6	81
84	Sodium Intercalation Mechanism of 3.8 V Class Alluaudite Sodium Iron Sulfate. Chemistry of Materials, 2016, 28, 5321-5328.	3.2	81
85	Sodiumâ€•and Potassiumâ€Hydrate Melts Containing Asymmetric Imide Anions for Highâ€Voltage Aqueous Batteries. Angewandte Chemie - International Edition, 2019, 58, 14202-14207.	7.2	81
86	Kegginâ€Type Heteropolyacids as Electrode Materials for Electrochemical Supercapacitors. Journal of the Electrochemical Society, 1998, 145, 737-743.	1.3	78
87	A New Sealed Lithium-Peroxide Battery with a Co-Doped Li2O Cathode in a Superconcentrated Lithium Bis(fluorosulfonyl)amide Electrolyte. Scientific Reports, 2014, 4, 5684.	1.6	78
88	Unusual Passivation Ability of Superconcentrated Electrolytes toward Hard Carbon Negative Electrodes in Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 33802-33809.	4.0	77
89	Fe³⁺/Fe²⁺ Redox Couple Approaching 4 V in Li_{2â€“<i>x</i>}(Fe_{1â€“<i>y</i>}Mn_{<i>y</i>})P₂O₇ Pyrophosphate Cathodes. Chemistry of Materials, 2012, 24, 1055-1061.	3.2	76
90	Reversible Sodium Metal Electrodes: Is Fluorine an Essential Interphasial Component?. Angewandte Chemie - International Edition, 2019, 58, 8024-8028.	7.2	76

#	Article	IF	Citations
91	LiNbO3thinâ€film optical waveguide grown by liquid phase epitaxy and its application to secondâ€harmonic generation. Journal of Applied Physics, 1991, 70, 2536-2541.	1.1	74
92	Highâ€Voltage Pyrophosphate Cathode: Insights into Local Structure and Lithiumâ€Diffusion Pathways. Angewandte Chemie - International Edition, 2012, 51, 13149-13153.	7.2	74
93	Capacitive versus Pseudocapacitive Storage in MXene. Advanced Functional Materials, 2020, 30, 2000820.	7.8	74
94	Structural and magnetic properties of Lix(MnyFe1âˆ’y)PO4 electrode materials for Li-ion batteries. Journal of Power Sources, 2009, 189, 1154-1163.	4.0	73
95	Frontiers in Theoretical Analysis of Solid Electrolyte Interphase Formation Mechanism. Advanced Materials, 2021, 33, e2100574.	11.1	65
96	Synthesis, structure, and phase relationship in lithium manganese oxide spinelElectronic supplementary information (ESI) available: neutron and X-ray Rietveld refinement results of LiMn2O4. See http://www.rsc.org/suppdata/jm/b3/b314810f/. Journal of Materials Chemistry, 2004, 14, 1948.	6.7	64
97	Optimized Nonflammable Concentrated Electrolytes by Introducing a Low-Dielectric Diluent. ACS Applied Materials & Interfaces, 2019, 11, 35770-35776.	4.0	64
98	Coulombic self-ordering upon charging a large-capacity layered cathode material for rechargeable batteries. Nature Communications, 2019, 10, 2185.	5.8	62
99	Nonpolarizing oxygen-redox capacity without O-O dimerization in Na2Mn3O7. Nature Communications, 2021, 12, 631.	5.8	62
100	Observation of the highest Mn3+/Mn2+ redox potential of 4.45 V in a Li2MnP2O7 pyrophosphate cathode. Journal of Materials Chemistry, 2012, 22, 24526.	6.7	60
101	Unveiling the Origin of Unusual Pseudocapacitance of RuO₂Â·<i>n</i>H₂O from Its Hierarchical Nanostructure by Small-Angle X-ray Scattering. Journal of Physical Chemistry C, 2013, 117, 12003-12009.	1.5	60
102	Multiorbital bond formation for stable oxygen-redox reaction in battery electrodes. Energy and Environmental Science, 2020, 13, 1492-1500.	15.6	60
103	Polymorphs of LiFeSO4F as cathode materials for lithium ion batteries â€“ a first principle computational study. Physical Chemistry Chemical Physics, 2012, 14, 8678.	1.3	57
104	High-Voltage Cr⁴⁺/Cr³⁺ Redox Couple in Polyanion Compounds. ACS Applied Energy Materials, 2018, 1, 928-931.	2.5	57
105	Nano-sized Î³-Fe2O3 as lithium battery cathode. Journal of Power Sources, 2005, 146, 323-326.	4.0	56
106	Fast Charging LiFePO[sub 4]. Electrochemical and Solid-State Letters, 2005, 8, A55.	2.2	56
107	Ruddlesdenâ€Popperâ€Type Epitaxial Film as Oxygen Electrode for Solidâ€Oxide Fuel Cells. Advanced Materials, 2008, 20, 4124-4128.	11.1	55
108	<i>t</i>â€Na₂(VO)P₂O₇: A 3.8â€…V Pyrophosphate Insertion Material for Sodiumâ€Ion Batteries. ChemElectroChem, 2014, 1, 1488-1491.	1.7	55

#	Article	IF	Citations
109	Characterization of electrode/electrolyte interface using in situ X-ray reflectometry and LiNi0.8Co0.2O2 epitaxial film electrode synthesized by pulsed laser deposition method. Electrochimica Acta, 2007, 53, 871-881.	2.6	54
110	Eco-efficient splash combustion synthesis of nanoscale pyrophosphate (Li2FeP2O7) positive-electrode using Fe(iii) precursors. Journal of Materials Chemistry, 2012, 22, 13455.	6.7	54
111	Concentrated Electrolytes Widen the Operating Temperature Range of Lithiumâ€Ion Batteries. Advanced Science, 2021, 8, e2101646.	5.6	54
112	Structural investigation of Eu2+ emissions from alkaline earth zirconium phosphate. Journal of Solid State Chemistry, 2009, 182, 730-735.	1.4	52
113	An alluaudite Na2+2Fe2âˆ’(SO4)3(x= 0.2) derivative phase as insertion host for lithium battery. Electrochemistry Communications, 2015, 51, 19-22.	2.3	52
114	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.	1.9	51
115	Moisture driven aging mechanism of LiFePO4 subjected to air exposure. Electrochemistry Communications, 2010, 12, 238-241.	2.3	50
116	Pyrophosphate Chemistry toward Safe Rechargeable Batteries. Chemistry of Materials, 2013, 25, 2538-2543.	3.2	50
117	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.	3.2	49
118	Aging of the LiNi[sub 1âˆ•2]Mn[sub 1âˆ•2]O[sub 2] Positive Electrode Interface in Electrolyte. Journal of the Electrochemical Society, 2009, 156, C180.	1.3	49
119	Synthesis and electrochemistry of monoclinic Li(MnxFe1âˆ’x)BO3: a combined experimental and computational study. Journal of Materials Chemistry, 2011, 21, 10690.	6.7	49
120	The crystal structure and sodium disorder of high-temperature polymorph Î²-Na₃PS₄. Journal of Materials Chemistry A, 2017, 5, 25025-25030.	5.2	46
121	LiNbO3thinâ€film optical waveguide grown by liquid phase epitaxy using Li2Oâ€B2O3flux. Applied Physics Letters, 1992, 61, 2848-2850.	1.5	45
122	Detection of surface layers using 7Li MAS NMR. Journal of Materials Chemistry, 2008, 18, 4266.	6.7	45
123	First-Principles Study on the Peculiar Water Environment in a Hydrate-Melt Electrolyte. Journal of Physical Chemistry Letters, 2019, 10, 6301-6305.	2.1	45
124	Synthesis, structure, and electrochemical properties of epitaxial perovskite La0.8Sr0.2CoO3 film on YSZ substrate. Solid State Ionics, 2006, 177, 535-540.	1.3	44
125	An overlooked issue for high-voltage Li-ion batteries: Suppressing the intercalation of anions into conductive carbon. Joule, 2021, 5, 998-1009.	11.7	44
126	Liquid phase epitaxial growth of LiNbO3 thin film using Li2O-B2O3 flux system. Journal of Crystal Growth, 1993, 132, 48-60.	0.7	42

#	Article	IF	Citations
127	Relationship between surface chemistry and electrochemical behavior of LiNi1/2Mn1/2O2 positive electrode in a lithium-ion battery. Journal of Power Sources, 2011, 196, 4791-4800.	4.0	42
128	General Observation of Fe³⁺/Fe²⁺ Redox Couple Close to 4 V in Partially Substituted Li₂FeP₂O₇ Pyrophosphate Solid-Solution Cathodes. Chemistry of Materials, 2013, 25, 3623-3629.	3.2	42
129	Polyanionic Solid-Solution Cathodes for Rechargeable Batteries. Chemistry of Materials, 2017, 29, 3597-3602.	3.2	42
130	Formation of a Solid Electrolyte Interphase in Hydrate-Melt Electrolytes. ACS Applied Materials & Interfaces, 2019, 11, 45554-45560.	4.0	42
131	Relationship between structural characteristics and photoluminescent properties of (La1â^'xEux)2M2O7 (M=Zr, Hf, Sn) pyrochlores. Journal of Luminescence, 2008, 128, 1819-1825.	1.5	41
132	Electrochemical Redox Mechanism in 3.5 V Li_{2-<i>x</i>}FeP₂O₇ (0 â‰) Tj ETQq0 0 0 rgBT /Overl	3.2	41
133	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.	1.2	40
134	New three-dimensional electrode structure for the lithium battery: Nano-sized Î³-Fe2O3 in a mesoporous carbon matrix. Journal of Power Sources, 2011, 196, 4741-4746.	4.0	40
135	More on the reactivity of olivine LiFePO4 nano-particles with atmosphere at moderate temperature. Journal of Power Sources, 2011, 196, 2155-2163.	4.0	39
136	Microscopic Formation Mechanism of Solid Electrolyte Interphase Film in Lithium-Ion Batteries with Highly Concentrated Electrolyte. Journal of Physical Chemistry C, 2018, 122, 2564-2571.	1.5	39
137	Dense Charge Accumulation in MXene with a Hydrate-Melt Electrolyte. Chemistry of Materials, 2019, 31, 5190-5196.	3.2	39
138	Rational Electrolyte Design to Form Inorganicâ€"Polymeric Interphase on Silicon-Based Anodes. ACS Energy Letters, 2021, 6, 1811-1820.	8.8	39
139	Purification and alignment of arc-synthesis single-walled carbon nanotube bundles. Chemical Physics Letters, 2002, 356, 567-572.	1.2	38
140	Carbon nanotube 3D current collectors for lightweight, high performance and low cost supercapacitor electrodes. RSC Advances, 2014, 4, 8230.	1.7	38
141	Rhombohedral NASICON-type Na_xFe₂(SO₄)₃ for sodium ion batteries: comparison with phosphate and alluaudite phases. Journal of Materials Chemistry A, 2018, 6, 3919-3925.	5.2	38
142	Structural, magnetic and electrochemical investigation of novel binary Na2â^'x(Fe1â^'yMny)P2O7 (0 â‰ y â‰) Tj ETQq0 0 0 rgBT /Over 305-311.	1.3	37
143	Sulfateâ€Based Cathode Materials for Liâ€•and Naâ€Ion Batteries. Chemical Record, 2018, 18, 1394-1408.	2.9	37
144	Iron-based materials strategies. MRS Bulletin, 2014, 39, 423-428.	1.7	36

#	Article	IF	Citations
145	A 62Âm K-ion aqueous electrolyte. Electrochemistry Communications, 2020, 116, 106764.	2.3	36
146	Alkaline Excess Strategy to NASICON-Type Compounds towards Higher-Capacity Battery Electrodes. Journal of the Electrochemical Society, 2016, 163, A1469-A1473.	1.3	34
147	Topochemical synthesis of phase-pure Mo₂AlB₂ through staging mechanism. Chemical Communications, 2019, 55, 9295-9298.	2.2	34
148	Designing positive electrodes with high energy density for lithium-ion batteries. Journal of Materials Chemistry A, 2021, 9, 7407-7421.	5.2	34
149	Synthesis and Electrochemistry of Na_{2.5}(Fe_{1âˆ’<i>y</i>}Mn_{<i>y</i>})_{1.75}(SO₄)₃ Solid Solutions for Naâ€‘Ion Batteries. ChemElectroChem, 2016, 3, 209-213.	1.3	33
150	Phase segregation of LixMn2O4 (0.6<x<1) in non-equilibrium reduction processes. Solid State Ionics, 2000, 130, 221-228.	1.3	32
151	Reversible Solid State Redox of an Octacyanometallate-Bridged Coordination Polymer by Electrochemical Ion Insertion/Extraction. Inorganic Chemistry, 2013, 52, 3772-3779.	1.9	32
152	High-Throughput Solution Combustion Synthesis of High-Capacity LiFeBO₃Cathode. Journal of the Electrochemical Society, 2013, 160, A3095-A3099.	1.3	32
153	High-Temperature Neutron and X-ray Diffraction Study of Fast Sodium Transport in Alluaudite-type Sodium Iron Sulfate. Chemistry of Materials, 2016, 28, 2393-2399.	3.2	32
154	Cobalt-Free O2-Type Lithium-Rich Layered Oxides. Journal of the Electrochemical Society, 2018, 165, A3630-A3633.	1.3	32
155	Electrochromism of Li_{<i>x</i>}FePO₄ Induced by Intervalence Charge Transfer Transition. Journal of Physical Chemistry C, 2012, 116, 15259-15264.	1.5	31
156	Neutron Diffraction Study of the Li-Ion Battery Cathode Li₂FeP₂O₇. Inorganic Chemistry, 2013, 52, 3334-3341.	1.9	31
157	Magnetic Structure and Properties of the Rechargeable Battery Insertion Compound Na₂FePO₄F. Inorganic Chemistry, 2014, 53, 682-684.	1.9	30
158	Effect of chemical oxidation for nano-size Î³-Fe2O3 as lithium battery cathode. Journal of Power Sources, 2007, 165, 403-407.	4.0	29
159	Ionic and Electronic Transport in Alluaudite Na_{2+2<i>x</i>}Fe_{2âˆ’<i>x</i>}(SO₄)₃. ChemElectroChem, 2016, 3, 902-905.	1.7	29
160	Relationship between Electric Double-Layer Structure of MXene Electrode and Its Surface Functional Groups. Chemistry of Materials, 2022, 34, 2069-2075.	3.2	28
161	Characterization of interphases appearing on LiNi0.5Mn0.5O2 using 7Li MAS NMR. Journal of Power Sources, 2009, 189, 557-560.	4.0	26
162	Temperature Dependent Local Structure of Na_{<i>x</i>}CoO₂ Cathode Material for Rechargeable Sodium-Ion Batteries. Journal of Physical Chemistry C, 2016, 120, 4227-4232.	1.5	26

#	Article	IF	Citations
163	Mechanistic study on lithium intercalation using a restricted reaction field in LiNi0.5Mn0.5O2. Journal of Power Sources, 2007, 174, 678-682.	4.0	25
164	Particleâ€Size Effects on the Entropy Behavior of a Li_{<i>x</i>}FePO₄ Electrode. ChemPhysChem, 2014, 15, 2156-2161.	1.0	25
165	Phase Separation of a Hexacyanoferrate-Bridged Coordination Framework under Electrochemical Na-ion Insertion. Inorganic Chemistry, 2014, 53, 3141-3147.	1.9	25
166	Electrochemical Luminescence of Rare Earth Metal Ion Doped MgIn[sub 2]O[sub 4] Electrodes. Journal of the Electrochemical Society, 2006, 153, H45.	1.3	24
167	Demonstration of Co3+/Co2+ Electrochemical Activity in LiCoBO3 Cathode at 4.0 V. ECS Electrochemistry Letters, 2013, 2, A75-A77.	1.9	24
168	Oxygen redox in hexagonal layered Na_xTMO₃ (TM = 4d elements) for high capacity Na ion batteries. Journal of Materials Chemistry A, 2018, 6, 3747-3753.	5.2	24
169	Superstructure in the Metastable Intermediateâ€Phase Li_{2/3}FePO₄ Accelerating the Lithium Battery Cathode Reaction. Angewandte Chemie - International Edition, 2015, 54, 8939-8942.	7.2	23
170	Anhydrous Fast Proton Transport Boosted by the Hydrogen Bond Network in a Dense Oxideâ€Ion Array of Î±â€MoO₃. Advanced Materials, 2022, 34, .	11.1	23
171	Phase Boundary Structure of Li_{<i>x</i>}FePO₄ Cathode Material Revealed by Atomic-Resolution Scanning Transmission Electron Microscopy. Chemistry of Materials, 2014, 26, 6178-6184.	3.2	22
172	Ironâ€"Oxalato Framework with Oneâ€Dimensional Open Channels for Electrochemical Sodiumâ€Ion Intercalation. Chemistry - A European Journal, 2015, 21, 1096-1101.	1.7	22
173	Stabilization of a 4.5 V Cr⁴⁺/Cr³⁺ redox reaction in NASICON-type Na₃Cr₂(PO₄)₃ by Ti substitution. Chemical Communications, 2019, 55, 13717-13720.	2.2	22
174	Alluaudite Battery Cathodes. Small Methods, 2020, 4, 2000051.	4.6	22
175	Tailoring the electrochemical properties of composite electrodes by introducing surface redox-active oxide film: VOx-impregnated LiFePO4 electrode. Chemical Communications, 2010, 46, 2572.	2.2	21
176	Kinetic square scheme in oxygen-redox battery electrodes. Energy and Environmental Science, 2022, 15, 2591-2600.	15.6	21
177	Challenges toward higher temperature operation of LiFePO4. Journal of Power Sources, 2012, 214, 166-170.	4.0	20
178	Interfacial Dissociation of Contact-Ion-Pair on MXene Electrodes in Concentrated Aqueous Electrolytes. Journal of the Electrochemical Society, 2019, 166, A3739-A3744.	1.3	20
179	A 4.8â€…V Reversible Li₂CoPO₄F/Graphite Battery Enabled by Concentrated Electrolytes and Optimized Cell Design. Batteries and Supercaps, 2020, 3, 910-916.	2.4	20
180	Impact of Anion Asymmetry on Local Structure and Supercooling Behavior of Water-in-Salt Electrolytes. Journal of Physical Chemistry Letters, 2020, 11, 4720-4725.	2.1	20

#	Article	IF	Citations
181	A new â€œzero-strainâ€•material for electrochemical lithium insertion. Journal of Materials Chemistry A, 2013, 1, 6550.	5.2	19
182	Electrochemical Li-Ion Intercalation in Octacyanotungstate-Bridged Coordination Polymer with Evidence of Three Magnetic Regimes. Inorganic Chemistry, 2016, 55, 7637-7646.	1.9	19
183	Sodium Iron(II) Pyrosilicate Na2Fe2Si2O7: A Potential Cathode Material in the Na2O-FeO-SiO2 System. Chemistry of Materials, 2017, 29, 4361-4366.	3.2	19
184	Redox-Driven Spin Transition in a Layered Battery Cathode Material. Chemistry of Materials, 2019, 31, 2358-2365.	3.2	19
185	Increased Conductivity in the Metastable Intermediate in Li_{<i>x</i>}FePO₄ Electrode. Chemistry of Materials, 2016, 28, 1101-1106.	3.2	18
186	Sodiumâ€•and Potassiumâ€Hydrate Melts Containing Asymmetric Imide Anions for Highâ€Voltage Aqueous Batteries. Angewandte Chemie, 2019, 131, 14340-14345.	1.6	18
187	Direct solid-state synthesis and large-capacity anode operation of Li3âˆ’xFexN. Journal of Materials Chemistry, 2011, 21, 10021.	6.7	17
188	Enabling the Li-ion conductivity of Li-metal fluorosulphates by ionic liquid grafting. Journal of Solid State Electrochemistry, 2012, 16, 1743-1751.	1.2	17
189	Impact of cis- versus trans-Configuration of Butylene Carbonate Electrolyte on Microscopic Solid Electrolyte Interphase Formation Processes in Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 15623-15629.	4.0	17
190	Reversible and High-rate Hard Carbon Negative Electrodes in a Fluorine-free Sodium-salt Electrolyte. Electrochemistry, 2020, 88, 151-156.	0.6	17
191	Effect of uniaxial pressure on the 222-K structural phase transition of hexagonalBaTiO3. Physical Review B, 1991, 43, 4473-4480.	1.1	15
192	Photorefractive damage in LiNbO3thinâ€film optical waveguides grown by liquid phase epitaxy. Journal of Applied Physics, 1994, 76, 1776-1783.	1.1	15
193	Resonant Photoemission Spectroscopy of the Cathode Material Li_{<i>x</i>}FePO₄ for Lithium Ion Battery. Journal of Physical Chemistry C, 2011, 115, 25519-25522.	1.5	15
194	Charge Storage Mechanism of RuO₂/Water Interfaces. Journal of Physical Chemistry C, 2017, 121, 18975-18981.	1.5	15
195	In VivoRedox-Responsive Solâ€“Gel/Gelâ€“Sol Transition of Star Block Copolymer Solution Based on Ionic Cross-Linking. Macromolecules, 2017, 50, 5539-5548.	2.2	15
196	Stability of conductive carbon additives in 5ÂV-class Li-ion batteries. Carbon, 2020, 158, 766-771.	5.4	15
197	First-Principles Study on the Cation-Dependent Electrochemical Stabilities in Li/Na/K Hydrate-Melt Electrolytes. ACS Applied Materials & Interfaces, 2020, 12, 42734-42738.	4.0	15
198	Production of single-walled carbon nanotube ropes under controlled gas flow conditions. Chemical Physics Letters, 2001, 346, 356-360.	1.2	14

#	Article	IF	Citations
199	A [Fe^{III}(Tp)(CN)₃]^{âˆ’} scorpionate-based complex as a building block for designing ion storage hosts (Tp: hydrotrispyrazolylborate). Chemical Communications, 2018, 54, 5189-5192.	2.2	14
200	Reversible Sodium Metal Electrodes: Is Fluorine an Essential Interphasial Component?. Angewandte Chemie, 2019, 131, 8108-8112.	1.6	14
201	Resonant photoemission spectroscopy of the cathode material LixMn0.5Fe0.5PO4 for lithium-ion battery. Journal of Power Sources, 2013, 226, 42-46.	4.0	13
202	Combined Theoretical and Experimental Studies of Sodium Battery Materials. Chemical Record, 2019, 19, 792-798.	2.9	13
203	Unique control of bulk reactivity by surface phenomena in a positive electrode of lithium battery. Electrochemistry Communications, 2008, 10, 1897-1900.	2.3	12
204	Important factors for effective use of carbon nanotube matrices in electrochemical capacitor hybrid electrodes without binding additives. RSC Advances, 2015, 5, 16101-16111.	1.7	12
205	The Reduction in Gastric Atrophy after Helicobacter pylori Eradication Is Reduced by Treatment with Inhibitors of Gastric Acid Secretion. International Journal of Molecular Sciences, 2019, 20, 1913.	1.8	12
206	Combined Experimental and Computational Analyses on the Electronic Structure of Alluaudite-Type Sodium Iron Sulfate. Journal of Physical Chemistry C, 2016, 120, 23323-23328.	1.5	11
207	Theoretical analysis of electrode-dependent interfacial structures on hydrate-melt electrolytes. Journal of Chemical Physics, 2020, 152, 124706.	1.2	11
208	Magnetic properties of Li(MnyFe1âˆ'y)PO4 and its delithiated phases. Applied Physics Letters, 2005, 87, 252503.	1.5	10
209	Electrochemical Properties of Heterosite FePO4 in Aqueous Mg2+ Electrolytes. Electrochemistry, 2014, 82, 855-858.	0.6	10
210	Single-crystal growth of Tl2Ru2O7 pyrochlore using high-pressure and flux method. Journal of Solid State Chemistry, 2006, 179, 935-940.	1.4	9
211	Synthesis of LixMnO2 by chemical lithiation in an aqueous media. Journal of Power Sources, 2010, 195, 3328-3332.	4.0	9
212	Anisotropic catalytic activity of the orientation controlled Nd2NiO4+Î´/YSZ hetero-epitaxial system for SOFC cathode. Electrochemistry Communications, 2010, 12, 1690-1693.	2.3	9
213	Sodium manganese fluorosulfate with a triplite structure. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2013, 69, 584-588.	0.5	9
214	4.7 V Operation of the Cr⁴⁺/Cr³⁺ Redox Couple in Na₃Cr₂(PO₄)₂F₃. Chemistry of Materials, 2021, 33, 1373-1379.	3.2	9
215	é‰„ç³»å®Ÿç”¨æ£æ¥µææ–™â€•ãƒªãƒã‚¦ãƒ2æ¬¡é›»æ±ã®ã•ã‚‰ãªã‚‹ç™ºå±•ã«å‘ã‘ã¦â€•. Electrochemistry, 2003, 71, 717-722.	0.6	8
216	Chemically oxidized manganese dioxides for lithium secondary batteries. Journal of Power Sources, 2007, 174, 1137-1141.	4.0	8

#	Article	IF	Citations
217	A Fe-rich sodium iron orthophosphate as cathode material for rechargeable batteries. Electrochemistry Communications, 2017, 79, 51-54.	2.3	8
218	Oxygen Redox Promoted by Na Excess and Covalency in Hexagonal and Monoclinic Na_{2âˆ’x}RuO₃ Polymorphs. Journal of the Electrochemical Society, 2019, 166, A5343-A5348.	1.3	8
219	Defect Structure of LiMn₂O₄ after High-Temperature Storage. Electrochemistry, 2003, 71, 1160-1161.	0.6	7
220	Defect induced sodium disorder and ionic conduction mechanism in Na1.82Mg1.09P2O7. Journal of Materials Chemistry A, 2014, 2, 18353-18359.	5.2	7
221	Potentiometric Study to Reveal Reaction Entropy Behavior of Biphasic Na₁₊₂<i>_x</i>V₂(PO₄)₃ Electrodes. Electrochemistry, 2016, 84, 234-237.	0.6	7
222	New anti-fluorite solid-solution phases in Li-Ti-N ternary system. Journal of the Ceramic Society of Japan, 2009, 117, 52-55.	0.5	6
223	A new polymorph of lithium manganese(<scp>ii</scp>) pyrophosphate Î²-Li₂MnP₂O₇. Dalton Transactions, 2014, 43, 1502-1504.	1.6	6
224	Enriching Battery Chemistry. Joule, 2018, 2, 371-372.	11.7	6
225	Square-Scheme Electrochemistry in Battery Electrodes. Accounts of Materials Research, 2022, 3, 33-41.	5.9	6
226	High-Voltage Polyanion Positive Electrode Materials. Molecules, 2021, 26, 5143.	1.7	6
227	Electrolysis of Water Vapor Using a Fullerene-Based Electrolyte. Electrochemical and Solid-State Letters, 2002, 5, A74.	2.2	5
228	Chemically oxidized Î³-MnO2 for lithium secondary batteries: structure and intercalation/deintercalation properties. Journal of Materials Chemistry, 2009, , .	6.7	5
229	Does Spinel Serve as a Rigid Framework for Oxygen Redox?. Chemistry of Materials, 2020, 32, 7181-7187.	3.2	5
230	Optimal water concentration for aqueous Li+ intercalation in vanadyl phosphate. Chemical Science, 2021, 12, 4450-4454.	3.7	5
231	Oxygen Redox Versus Oxygen Evolution in Aqueous Electrolytes: Critical Influence of Transition Metals. Advanced Science, 2022, 9, e2104907.	5.6	5
232	All Solid-State Batteries Using Super Ionic Conductor, Thio-Lisicon â€“ Electrode/Electrolyte interfacial Design. Materials Research Society Symposia Proceedings, 2004, 835, K11.1.1.	0.1	4
233	Electrochemical luminescence of Mg1âˆ’xCaxIn2O4:Er3+ electrodes. Journal of Luminescence, 2008, 128, 1679-1683.	1.5	4
234	Systematic Studies on “Abundant” Battery Materials: Identification and Reaction Mechanisms. Electrochemistry, 2016, 84, 654-661.	0.6	4

#	Article	IF	Citations
235	A Theoretical study on the charge and discharge states of Naâ€ion battery cathode material, Na_{1+<i>x</i>}FePO₄F. Journal of Computational Chemistry, 2019, 40, 237-246.	1.5	4
236	Corrosion Prevention Mechanism of Aluminum Metal in Superconcentrated Electrolytes. ChemElectroChem, 2015, 2, 1627-1627.	1.7	3
237	Soft X-ray Emission Studies on Hydrate-Melt Electrolytes. Journal of Physical Chemistry B, 2021, 125, 11534-11539.	1.2	3
238	Intermediate Phases in LixFePO4. Materials Research Society Symposia Proceedings, 2006, 972, 1.	0.1	2
239	Corrigendum to â€œLayered Na2RuO3 as a cathode material for Na-ion batteriesâ€•[Electrochemistry Communications 33 (2013) 23â€"26]. Electrochemistry Communications, 2013, 34, 360.	2.3	2
240	Spectromicroscopic analysis of lithium intercalation in spinel LiMn₂O₄ for lithium-ion battery by 3D nano-ESCA. Journal of Physics: Conference Series, 2014, 502, 012013.	0.3	2
241	HPO₃^{2â^'} as a building unit for sodium-ion battery cathodes: 3.1 V operation of Na_{2â^'x}Fe(HPO₃)₂ (0 < <i>x</i> < 1). Chemical Communications, 2019, 55, 14155-14157.	2.2	2
242	Pseudocapacitors: Capacitive versus Pseudocapacitive Storage in MXene (Adv. Funct. Mater. 47/2020). Advanced Functional Materials, 2020, 30, 2070312.	7.8	2
243	Possible high-potential ilmenite type <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mn>1</mml:mn></mml:msub><mml:mi>M</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>Â</mml:mo><mml:mo>(</mml:mo><mml:mi>M</m	0.9	2
244	Lithium-Rich O2-Type Li_{0.66}[Li_{0.22}Ru_{0.78}]O₂ Positive Electrode Material. Journal of the Electrochemical Society, 2022, 169, 040536.	1.3	2
245	Uniaxial-pressure effect on the 222K phase transition in hexagonal-batio3. Ferroelectrics, 1989, 96, 237-240.	0.3	1
246	2ï¼Žé«˜æ¿ƒåº¦é›»è§£æ¶²ã®ç‰¹ç•°æ€§ã«åŸºã¥ãä¼æ¬¡é›»æ±é©æ–°ã®å•èƒ½æ€§. Electrochemistry, 2014, 82, 1085-1090.	0.6	1
247	1ï¼Žè"„é›»æ±ã®å…ƒç´ æˆ¦ç•¥. Electrochemistry, 2014, 82, 169-174.	0.6	1
248	Electronic structure of Li₂Fe_{1â^'<i>x</i>}Mn_{<i>x</i>}P₂O₇ for lithium-ion battery studied by resonant photoemission spectroscopy. Journal of Physics: Conference Series, 2014, 502, 012004.	0.3	1
249	Synthesis, crystal structure and possible proton conduction of Fe(H2PO4)2F. Solid State Ionics, 2019, 338, 134-137.	1.3	1
250	High-Voltage Polyanion Positive Electrode Materials. Molecules, 2021, 26, .	1.7	1
251	Reversible Hydrogen Decomposition of KAlH4.. ChemInform, 2003, 34, no.	0.1	0
252	Synthesis, Structure and Electrochemical Properties of Epitaxial Perovskite Films Deposited on YSZ Substrate. ECS Transactions, 2007, 7, 749-756.	0.3	0

#	Article	IF	Citations
253	Special issue to â€œICMAT 2009, Symposium F: nanostructured materials for electrochemical energy systems: lithium batteries, supercapacitors and fuel cells, June 28-July 3, 2009, Singaporeâ€• Journal of Solid State Electrochemistry, 2010, 14, 1741-1742.	1.2	0
254	1ï¼Žã‚±ã‚é…¸å¡©ç³»æ£æ¥µã®ç¾çŠ¶ã•èª²é¡Œ. Electrochemistry, 2012, 80, 34-38.	0.6	0
255	Revisiting the Lithium Metal Borate (LiMBO3; M= Fe, Mn, Co) Cathode Systems: Synthetic and Electrochemical Findings. ECS Meeting Abstracts, 2012, , .	0.0	0
256	Olivine Phosphate Cathode Materials, Reactivity and Reaction Mechanisms. , 2013, , 445-470.		0
257	Pyrophosphate Chemistry Towards High-Voltage, High Power, and Safe Rechargeable Batteries. Hyomen Kagaku, 2013, 34, 296-302.	0.0	0
258	Pseudocapacitors: Enhanced Li-Ion Accessibility in MXene Titanium Carbide by Steric Chloride Termination (Adv. Energy Mater. 9/2017). Advanced Energy Materials, 2017, 7, .	10.2	0
259	Exploring Novel Nano-composite Strong Ionic Compounds for Lithium Storage. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2005, 13, 89-92.	0.0	0
260	(Invited) Defect Induced Oxygen Redox Chemistry. ECS Meeting Abstracts, 2019, , .	0.0	0
261	Computational Study on Possible High Potential Ilmenite Type Na1TMO3 (TM=3d, 4d Transition Metals) Cathodes Based on Oxygen Redox Reaction. ECS Meeting Abstracts, 2019, , .	0.0	0
262	A Highly Reversible 5V-Class Li2CoPO4f/Graphite Battery. ECS Meeting Abstracts, 2019, , .	0.0	0
263	Unraveling the SEI Mystery of Cis/Trans-Butylene Carbonate. ECS Meeting Abstracts, 2019, , .	0.0	0
264	Addition of Low-Polar Diluent to Fire-Extinguishing Superconcentrated Electrolytes. ECS Meeting Abstracts, 2019, , .	0.0	0
265	Diffraction Signal from Sodium Cluster in Hard Carbon: A Combined Experimental and Computational Study. ECS Meeting Abstracts, 2019, , .	0.0	0
266	(Invited) Advances and Issues in Developing Salt-Concentrated Battery Electrolytes. ECS Meeting Abstracts, 2019, , .	0.0	0
267	MXenes for Batteries. , 2019, , 367-379.		0
268	(Invited) Non-Polarizing Oxygen Redox Chemistry in Layered Cathode Materials. ECS Meeting Abstracts, 2021, MA2021-02, 189-189.	0.0	0
269	Does Spinel Serve As a Rigid Framework for Oxygen Redox?. ECS Meeting Abstracts, 2020, MA2020-02, 322-322.	0.0	0
270	(Invited) Probing Redox Centers in Oxygen-Redox Electrodes Using Soft X-Ray Spectroscopy. ECS Meeting Abstracts, 2020, MA2020-02, 165-165.	0.0	0

#	Article	IF	Citations
271	(Invited) Electrolyte Design Strategies to High-Voltage and Safe Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 792-792.	0.0	0
272	(Invited) Coulombic Self-Ordering upon Charging a Large-Capacity Layered Cathode Material. ECS Meeting Abstracts, 2020, MA2020-02, 20-20.	0.0	0
273	(Invited) Capacitive and Pseudocapacitive Intercalation of Aqueous Ions in Layered Materials (MXenes). ECS Meeting Abstracts, 2020, MA2020-02, 600-600.	0.0	0
274	Cyclic Phosphate-Based Nonflammable Electrolytes for High Energy and Safe Lithium-Ion Batteries. ECS Meeting Abstracts, 2020, MA2020-02, 691-691.	0.0	0