Takeshi Abe

List of Publications by Year
in descending order

376	14,508	18465 62	28275 105
papers	citations	h-index	g-index

382	382	382	11259
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Solvated Li-Ion Transfer at Interface Between Graphite and Electrolyte. Journal of the Electrochemical Society, 2004, 151, A1120.	1.3	482
2	A superconcentrated ether electrolyte for fast-charging Li-ion batteries. Chemical Communications, 2013, 49, 11194.	2.2	340
3	Alkaline direct alcohol fuel cells using an anion exchange membrane. Journal of Power Sources, 2005, 150, 27-31.	4.0	339
4	Effects of Some Organic Additives on Lithium Deposition in Propylene Carbonate. Journal of the Electrochemical Society, 2002, 149, A1578.	1.3	329
5	Kinetics of Lithium Ion Transfer at the Interface between Graphite and Liquid Electrolytes: Effects of Solvent and Surface Film. Langmuir, 2009, 25, 12766-12770.	1.6	310
6	In Situ Raman Study on Electrochemical Li Intercalation into Graphite. Journal of the Electrochemical Society, 1995, 142, 20-26.	1.3	302
7	Durability of perfluorinated ionomer membrane against hydrogen peroxide. Journal of Power Sources, 2006, 158, 1222-1228.	4.0	302
8	High energy density rechargeable magnesium battery using earth-abundant and non-toxic elements. Scientific Reports, 2014, 4, 5622.	1.6	286
9	Surface Film Formation on a Graphite Negative Electrode in Lithium-Ion Batteries:Â Atomic Force Microscopy Study on the Effects of Film-Forming Additives in Propylene Carbonate Solutions. Langmuir, 2001, 17, 8281-8286.	1.6	268
10	Improvement of natural graphite as a lithium-ion battery anode material, from raw flake to carbon-coated sphereElectronic supplementary information (ESI) available: colour versions of Figs. 6, 8 and 9. See http://www.rsc.org/suppdata/jm/b3/b316702j/. Journal of Materials Chemistry, 2004, 14, 1754.	6.7	241
11	High-Level Doping of Nitrogen, Phosphorus, and Sulfur into Activated Carbon Monoliths and Their Electrochemical Capacitances. Chemistry of Materials, 2015, 27, 4703-4712.	3.2	237
12	Lithium-Ion Transfer at the Interface Between Lithium-Ion Conductive Ceramic Electrolyte and Liquid Electrolyte-A Key to Enhancing the Rate Capability of Lithium-Ion Batteries. Journal of the Electrochemical Society, 2005, 152, A2151.	1.3	219
13	Electrochemical intercalation of lithium into a natural graphite anode in quaternary ammonium-based ionic liquid electrolytes. Carbon, 2006, 44, 203-210.	5.4	219
14	Hierarchically Porous Carbon Monoliths Comprising Ordered Mesoporous Nanorod Assemblies for High-Voltage Aqueous Supercapacitors. Chemistry of Materials, 2016, 28, 3944-3950.	3.2	203
15	Surface Film Formation on Graphite Negative Electrode in Lithium-Ion Batteries: AFM Study in an Ethylene Carbonate-Based Solution. Journal of the Electrochemical Society, 2001, 148, A989.	1.3	192
16	Suppression of dendritic lithium formation by using concentrated electrolyte solutions. Electrochemistry Communications, 2008, 10, 635-638.	2.3	181
17	A comparative study on the impact of different glymes and their derivatives as electrolyte solvents for graphite co-intercalation electrodes in lithium-ion and sodium-ion batteries. Physical Chemistry Chemical Physics, 2016, 18, 14299-14316.	1.3	172
18	Electrochemical Scanning Tunneling Microscopy Observation of Highly Oriented Pyrolytic Graphite Surface Reactions in an Ethylene Carbonate-Based Electrolyte Solution. Langmuir, 1996, 12, 1535-1540.	1.6	165

#	Article	IF	Citations
19	Electrochemical Intercalation of Lithium Ion within Graphite from Propylene Carbonate Solutions. Electrochemical and Solid-State Letters, 2003, 6, A13.	2.2	164
20	Preparation of c-axis oriented thin films of LiCoO2 by pulsed laser deposition and their electrochemical properties. Journal of Power Sources, 2001, 94, 175-182.	4.0	154
21	Electrochemical Lithium Intercalation into Graphite in Dimethyl Sulfoxide-Based Electrolytes: Effect of Solvation Structure of Lithium Ion. Journal of Physical Chemistry C, 2010, 114, 11680-11685.	1.5	152
22	Li+ and Na+ transfer through interfaces between inorganic solid electrolytes and polymer or liquid electrolytes. Journal of Power Sources, 2005, 146, 749-752.	4.0	136
23	Graphitized Carbon Nanobeads with an Onion Texture as a Lithium-Ion Battery Negative Electrode for High-Rate Use. Advanced Materials, 2005, 17, 2857-2860.	11.1	136
24	Stage Transformation of Lithiumâ€Graphite Intercalation Compounds Caused by Electrochemical Lithium Intercalation. Journal of the Electrochemical Society, 1999, 146, 2443-2448.	1.3	135
25	Surface film formation on a graphite negative electrode in lithium-ion batteries: AFM study on the effects of co-solvents in ethylene carbonate-based solutions. Electrochimica Acta, 2002, 47, 1975-1982.	2.6	135
26	Lithium-ion transfer at LiMn2O4 thin film electrode prepared by pulsed laser deposition. Electrochemistry Communications, 2003, 5, 502-505.	2.3	135
27	Interfacial reactions between graphite electrodes and propylene carbonate-based solutions: Electrolyte-concentration dependence of electrochemical lithium intercalation reaction. Journal of Power Sources, 2008, 175, 540-546.	4.0	126
28	Kinetics of Electrochemical Insertion and Extraction of Lithium Ion at SiO. Journal of the Electrochemical Society, 2010, 157, A26.	1.3	125
29	Lithium Ion Transfer at the Interface between Lithium-Ion-Conductive Solid Crystalline Electrolyte and Polymer Electrolyte. Journal of the Electrochemical Society, 2004, 151, A1950.	1.3	124
30	Hierarchically Porous Li₄Ti₅O₁₂ Anode Materials for Liâ€•and Naâ€ion Batteries: Effects of Nanoarchitectural Design and Temperature Dependence of the Rate Capability. Advanced Energy Materials, 2015, 5, 1400730.	10.2	124
31	Electro-oxidation of methanol and ethylene glycol on platinum in alkaline solution: Poisoning effects and product analysis. Electrochimica Acta, 2005, 51, 1085-1090.	2.6	122
32	Hard Carbon Anodes for Naâ€ion Batteries: Toward a Practical Use. ChemElectroChem, 2015, 2, 1917-1920.	1.7	112
33	STM study on graphite/electrolyte interface in lithium-ion batteries: solid electrolyte interface formation in trifluoropropylene carbonate solution. Electrochimica Acta, 1999, 45, 99-105.	2.6	111
34	Influence of Manganese Dissolution on the Degradation of Surface Films on Edge Plane Graphite Negative-Electrodes in Lithium-Ion Batteries. Journal of the Electrochemical Society, 2012, 159, A961-A966.	1.3	109
35	Charge transfer reaction at the lithium phosphorus oxynitride glass electrolyte/lithium cobalt oxide thin film interface. Solid State Ionics, 2005, 176, 2371-2376.	1.3	108
36	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

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37	Kinetics of Lithium-Ion Transfer at the Interface between Li_{0.35}La_{0.55}TiO₃ and Binary Electrolytes. Journal of Physical Chemistry C, 2009, 113, 14528-14532.	1.5	95
38	Effects of surface modification by MgO on interfacial reactions of lithium cobalt oxide thin film electrode. Journal of Power Sources, 2004, 137, 111-116.	4.0	94
39	Formation mechanism of alkyl dicarbonates in Li-ion cells. Journal of Power Sources, 2005, 150, 208-215.	4.0	94
40	Characterization of Carbon-Coated Natural Graphite as a Lithium-Ion Battery Anode Material. Journal of the Electrochemical Society, 2002, 149, A499.	1.3	90
41	Correlation between Chargeâ^'Discharge Behavior of Graphite and Solvation Structure of the Lithium Ion in Propylene Carbonate-Containing Electrolytes. Journal of Physical Chemistry C, 2009, 113, 8948-8953.	1.5	89
42	Suppression of an Alkyl Dicarbonate Formation in Li-Ion Cells. Journal of the Electrochemical Society, 2005, 152, A2046.	1.3	85
43	In Situ AFM Study of Surface Film Formation on the Edge Plane of HOPG for Lithium-Ion Batteries. Journal of Physical Chemistry C, 2011, 115, 25484-25489.	1.5	84
44	Facile Preparation of Monolithic LiFePO₄/Carbon Composites with Well-Defined Macropores for a Lithium-Ion Battery. Chemistry of Materials, 2011, 23, 5208-5216.	3.2	82
45	Origin of the Electrochemical Stability of Aqueous Concentrated Electrolyte Solutions. Journal of the Electrochemical Society, 2018, 165, A3299-A3303.	1.3	81
46	Interfacial lithium-ion transfer at the LiMn2O4 thin film electrode/aqueous solution interface. Journal of Power Sources, 2007, 174, 695-700.	4.0	78
47	Electrochemical Insertion and Extraction of Lithium Ion at Uniform Nanosized Li4/3Ti5/3O4 Particles Prepared by a Spray Pyrolysis Method. Chemistry of Materials, 2005, 17, 1580-1582.	3.2	77
48	Chargeâ€"Discharge Behavior of Bismuth in a Liquid Electrolyte for Rechargeable Batteries Based on a Fluoride Shuttle. ACS Energy Letters, 2017, 2, 1460-1464.	8.8	77
49	Li⁺-Ion Transfer through the Interface between Li⁺-Ion Conductive Ceramic Electrolyte and Li⁺-Ion-Concentrated Propylene Carbonate Solution. Journal of Physical Chemistry C, 2009, 113, 20135-20138.	1.5	75
50	Correlation Between Cointercalation of Solvents and Electrochemical Intercalation of Lithium into Graphite in Propylene Carbonate Solution. Journal of the Electrochemical Society, 2003, 150, A257.	1.3	74
51	Electrochemical oxidation of highly oriented pyrolytic graphite during potential cycling in sulfuric acid solution. Journal of Power Sources, 2008, 185, 740-746.	4.0	73
52	Preliminary Study on Direct Alcohol Fuel Cells Employing Anion Exchange Membrane. Electrochemistry, 2002, 70, 980-983.	0.6	72
53	Surface and interface sciences of Li-ion batteries. Progress in Surface Science, 2017, 92, 240-280.	3.8	71
54	AFM study of surface film formation on a composite graphite electrode in lithium-ion batteries. Journal of Power Sources, 2003, 119-121, 555-560.	4.0	70

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55	Mechanism for Electrochemical Oxidation of Highly Oriented Pyrolytic Graphite in Sulfuric Acid Solution. Journal of the Electrochemical Society, 2007, 154, B1017.	1.3	70
56	Influence of the carbon surface on cathode deposits in non-aqueous Liâ€“O2 batteries. Carbon, 2012, 50, 4794-4803.	5.4	68
57	Temperature Effects on the Electrochemical Behavior of Spinel LiMn2O4in Quaternary Ammonium-Based Ionic Liquid Electrolyte. Journal of Physical Chemistry B, 2005, 109, 13676-13684.	1.2	67
58	Studies on electrochemical sodium storage into hard carbons with binder-free monolithic electrodes. Journal of Power Sources, 2016, 318, 41-48.	4.0	67
59	Lithium-ion transfer on a LixCoO2 thin film electrode prepared by pulsed laser depositionâ€”Effect of orientation-. Journal of Power Sources, 2007, 172, 933-937.	4.0	66
60	Lithium-ion transfer at interface between carbonaceous thin film electrode/electrolyte. Journal of Power Sources, 2004, 127, 72-75.	4.0	65
61	Towards zinc-oxygen batteries with enhanced cycling stability: The benefit of anion-exchange ionomer for zinc sponge anodes. Journal of Power Sources, 2018, 395, 195-204.	4.0	65
62	A new kind of all-solid-state thin-film-type lithium-ion battery developed by applying a D.C. high voltage. Electrochemistry Communications, 2006, 8, 1287-1291.	2.3	64
63	Compatibility of quaternary ammonium-based ionic liquid electrolytes with electrodes in lithium ion batteries. Electrochimica Acta, 2006, 52, 1556-1562.	2.6	64
64	Electrochemical AFM study of LiMn2O4 thin film electrodes exposed to elevated temperatures. Journal of Power Sources, 2008, 180, 539-545.	4.0	63
65	Transmission electron microscopy (TEM) analysis of two-phase reaction in electrochemical lithium insertion within Î±-MoO3. Solid State Ionics, 2000, 135, 95-100.	1.3	61
66	Perovskite-type oxides La1â^'xSrxMnO3 for cathode catalysts in direct ethylene glycol alkaline fuel cells. Journal of Power Sources, 2008, 178, 683-686.	4.0	60
67	New Magnesium-ion Conductive Electrolyte Solution Based on Triglyme for Reversible Magnesium Metal Deposition and Dissolution at Ambient Temperature. Chemistry Letters, 2014, 43, 1788-1790.	0.7	60
68	Electrochemical oxidation of ethylene glycol on Pt-based catalysts in alkaline solutions and quantitative analysis of intermediate products. Electrochimica Acta, 2011, 56, 7610-7614.	2.6	59
69	Electrochemical Performance of a Bismuth Fluoride Electrode in a Reserve-Type Fluoride Shuttle Battery. Journal of the Electrochemical Society, 2017, 164, A3702-A3708.	1.3	59
70	A novel all-solid-state thin-film-type lithium-ion battery with in situ prepared positive and negative electrode materials. Electrochemistry Communications, 2009, 11, 413-416.	2.3	58
71	Electrochemical properties of LiFePO4 thin films prepared by pulsed laser deposition. Journal of Power Sources, 2005, 146, 559-564.	4.0	57
72	Electrochemical Raman study of edge plane graphite negative-electrodes in electrolytes containing trialkyl phosphoric ester. Journal of Power Sources, 2012, 212, 148-153.	4.0	57

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73	TEM and electron tomography studies of carbon nanospheres for lithium secondary batteries. Carbon, 2006, 44, 2558-2564.	5.4	56
74	Kinetics of Interfacial Ion Transfer in Lithium-Ion Batteries: Mechanism Understanding and Improvement Strategies. ACS Applied Materials & Interfaces, 2022, 14, 22706-22718.	4.0	56
75	Impact of Electrolyte on Pseudocapacitance and Stability of Porous Titanium Nitride (TiN) Monolithic Electrode. Journal of the Electrochemical Society, 2015, 162, A77-A85.	1.3	55
76	Electrochemical STM observation of LiMn2O4 thin films prepared by pulsed laser deposition. Journal of Power Sources, 1999, 81-82, 554-557.	4.0	54
77	Stability of Pt-Catalyzed Highly Oriented Pyrolytic Graphite Against Hydrogen Peroxide in Acid Solution. Journal of the Electrochemical Society, 2006, 153, A58.	1.3	54
78	Effect of Graphite Orientation and Lithium Salt on Electronic Passivation of Highly Oriented Pyrolytic Graphite. Journal of the Electrochemical Society, 2012, 159, A634-A641.	1.3	54
79	Catalytic Roles of Perovskite Oxides in Electrochemical Oxygen Reactions in Alkaline Media. Journal of the Electrochemical Society, 2014, 161, F694-F697.	1.3	54
80	Suppression of Dendrite Formation of Zinc Electrodes by the Modification of Anion-Exchange Ionomer. Electrochemistry, 2012, 80, 725-727.	0.6	53
81	Hierarchically Porous Monoliths Based on N-Doped Reduced Titanium Oxides and Their Electric and Electrochemical Properties. Chemistry of Materials, 2013, 25, 3504-3512.	3.2	52
82	Creation of nanospaces by intercalation of alkali metals into graphite in organic solutions. Synthetic Metals, 2001, 125, 153-159.	2.1	49
83	Reduction of charge transfer resistance at the lithium phosphorus oxynitride/lithium cobalt oxide interface by thermal treatment. Journal of Power Sources, 2005, 146, 745-748.	4.0	49
84	Spectroscopic Characterization of Surface Films Formed on Edge Plane Graphite in Ethylene Carbonate-Based Electrolytes Containing Film-Forming Additives. Journal of the Electrochemical Society, 2012, 159, A1786-A1790.	1.3	49
85	Preparation of anion-exchange membrane by plasma polymerization and its use in alkaline fuel cells. Thin Solid Films, 2008, 516, 3309-3313.	0.8	48
86	Single-step synthesis of nano-sized perovskite-type oxide/carbon nanotube composites and their electrocatalytic oxygen-reduction activities. Journal of Materials Chemistry, 2011, 21, 1913-1917.	6.7	48
87	Electrochemical characterization of single-layer MnO2 nanosheets as a high-capacitance pseudocapacitor electrode. Journal of Materials Chemistry, 2012, 22, 14691.	6.7	48
88	Proton-Conductive Electrolyte Consisting of NH[sub 4]PO[sub 3]/TiP[sub 2]O[sub 7] for Intermediate-Temperature Fuel Cells. Journal of the Electrochemical Society, 2005, 152, A167.	1.3	46
89	Preparation of LiFePO[sub 4] Thin Films by Pulsed Laser Deposition and Their Electrochemical Properties. Electrochemical and Solid-State Letters, 2004, 7, A340.	2.2	45
90	New Insights into the Relationship between Micropore Properties, Ionic Sizes, and Electric Double-Layer Capacitance in Monolithic Carbon Electrodes. Journal of Physical Chemistry C, 2012, 116, 26197-26203.	1.5	45

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91	Pyrolysis/gas chromatography/mass spectroscopy analysis of the surface film formed on graphite negative electrode. Journal of Power Sources, 2001, 97-98, 156-158.	4.0	44
92	Pulse Voltammetric and ac Impedance Spectroscopic Studies on Lithium Ion Transfer at an Electrolyte/Li4/3Ti5/3O4 Electrode Interface. Analytical Chemistry, 2005, 77, 1696-1700.	3.2	44
93	In Situ Atomic Force Microscopy Study on Lithium Deposition on Nickel Substrates at Elevated Temperatures. Journal of the Electrochemical Society, 2002, 149, A385.	1.3	43
94	Lithium-ion transfer at an electrolyte/non-graphitizable carbon electrode interface. Carbon, 2004, 42, 3183-3187.	5.4	43
95	Temperature dependence of the electrochemical behavior of LiCoO in quaternary ammonium-based ionic liquid electrolyte. Solid State Ionics, 2005, 176, 2219-2226.	1.3	43
96	Sodium-ion transfer at the interface between ceramic and organic electrolytes. Journal of Power Sources, 2010, 195, 7466-7470.	4.0	43
97	Electrochemical AFM Observation of the HOPG Edge Plane in Ethylene Carbonate-Based Electrolytes Containing Film-Forming Additives. Journal of the Electrochemical Society, 2012, 159, A1292-A1297.	1.3	42
98	Electrochemical intercalation of bis(fluorosulfonyl)amide anions into graphite from aqueous solutions. Electrochemistry Communications, 2019, 100, 26-29.	2.3	42
99	Preparation of alkali metal graphite intercalation compounds in organic solvents. Journal of Physics and Chemistry of Solids, 1996, 57, 799-803.	1.9	40
100	Charge-Transfer Reaction at the Lithium Phosphorus Oxynitride Glass Electrolyte/Lithium Manganese Oxide Thin-Film Interface and Its Stability on Cycling. Journal of the Electrochemical Society, 2006, 153, A821.	1.3	40
101	Study on the decomposition mechanism of alkyl carbonate on lithium metal by pyrolysis-gas chromatography-mass spectroscopy. Journal of Power Sources, 2003, 119-121, 597-603.	4.0	39
102	Use of layered double hydroxides to improve the triple phase boundary in anion-exchange membrane fuel cells. Journal of Power Sources, 2010, 195, 6500-6503.	4.0	39
103	Role of Edge Orientation in Kinetics of Electrochemical Intercalation of Lithium-Ion at Graphite. Langmuir, 2010, 26, 14990-14994.	1.6	38
104	Effects of Electrolyte Additives on the Suppression of Mn Deposition on Edge Plane Graphite for Lithium-Ion Batteries. Journal of the Electrochemical Society, 2013, 160, A410-A413.	1.3	36
105	Electrochemical Intercalation of Bis(fluorosulfonyl)amide Anion into Graphite. Journal of the Electrochemical Society, 2016, 163, A499-A503.	1.3	36
106	Novel Anode Catalyst Containing Gold Nanoparticles for Use in Direct Methanol Fuel Cells. Journal of Physical Chemistry C, 2007, 111, 3171-3174.	1.5	35
107	Effects of LiBOB on salt solubility and BiF₃ electrode electrochemical properties in fluoride shuttle batteries. Journal of Materials Chemistry A, 2019, 7, 8559-8567.	5.2	35
108	Electrocatalytic Oxidation of Ethylene Glycol in Alkaline Solution. Journal of the Electrochemical Society, 2005, 152, A729.	1.3	34

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109	Improvement of cycling performance in bismuth fluoride electrodes by controlling electrolyte composition in fluoride shuttle batteries. Journal of Applied Electrochemistry, 2018, 48, 1205-1211.	1.5	34
110	Influence of Electrolyte Composition on the Electrochemical Reaction Mechanism of Bismuth Fluoride Electrode in Fluoride Shuttle Battery. Journal of Physical Chemistry C, 2019, 123, 10246-10252.	1.5	33
111	Effect of co-intercalated organic solvents in graphite on electrochemical Li intercalation. Synthetic Metals, 2001, 125, 249-253.	2.1	32
112	Triphenylboroxine and Triphenylborane as Anion Acceptors for Electrolyte in Fluoride Shuttle Batteries. Chemistry Letters, 2018, 47, 1346-1349.	0.7	32
113	Electrochemical properties of graphite electrode in propylene carbonate-based electrolytes containing lithium and calcium ions. Electrochimica Acta, 2011, 56, 10450-10453.	2.6	31
114	Electrochemical Intercalation/De-Intercalation of Lithium Ions at Graphite Negative Electrode in TMP-Based Electrolyte Solution. Journal of the Electrochemical Society, 2012, 159, A2089-A2091.	1.3	31
115	In situ Raman study on degradation of edge plane graphite negative-electrodes and effects of film-forming additives. Journal of Power Sources, 2012, 206, 320-324.	4.0	31
116	Kinetics of Lithium-Ion Transfer at the Interface between Li4Ti5O12 Thin Films and Organic Electrolytes. ECS Electrochemistry Letters, 2014, 3, A83-A86.	1.9	31
117	Enhanced resistance to oxidative decomposition of aqueous electrolytes for aqueous lithium-ion batteries. Chemical Communications, 2016, 52, 4979-4982.	2.2	31
118	Inâ€...Situ Raman Spectroscopic Studies on Concentration of Electrolyte Salt in Lithiumâ€Ion Batteries by Using Ultrafine Multifiber Probes. ChemSusChem, 2017, 10, 855-861.	3.6	31
119	Observation of the intercalation of dimethyl sulfoxide-solvated lithium ion into graphite and decomposition of the ternary graphite intercalation compound using in situ Raman spectroscopy. Electrochimica Acta, 2018, 265, 41-46.	2.6	31
120	Electrochemical Properties of Carbonaceous Thin Films Prepared by Plasma Chemical Vapor Deposition. Journal of the Electrochemical Society, 2001, 148, A1260.	1.3	30
121	Low-temperature synthesis of graphitized nanofibers for reversible lithium-ion insertion/extraction. Electrochemistry Communications, 2005, 7, 10-13.	2.3	30
122	Lithium-ion transfer at the interfaces between LiCoO2 and LiMn2O4 thin film electrodes and organic electrolytes. Journal of Power Sources, 2015, 294, 460-464.	4.0	30
123	Electrochemical properties of lead fluoride electrode in fluoride shuttle battery. Journal of Electroanalytical Chemistry, 2018, 826, 60-64.	1.9	30
124	Electrochemical properties of LiCoPO4-thin film electrodes in LiF-based electrolyte solution with anion receptors. Journal of Power Sources, 2016, 306, 753-757.	4.0	29
125	Proton conductivity of (NH4)2TiP4O13-based material for intermediate temperature fuel cells. Electrochemistry Communications, 2004, 6, 180-182.	2.3	28
126	Electrochemical Oxidation of Highly Oriented Pyrolytic Graphite in Sulphuric Acid Solution under Potential Pulse Condition. Fuel Cells, 2009, 9, 284-290.	1.5	28

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127	Synthesis and electrochemical performance of hierarchically porous N-doped TiO2 for Li-ion batteries. New Journal of Chemistry, 2014, 38, 1380.	1.4	28
128	Lithium-ion intercalation and deintercalation behaviors of graphitized carbon nanospheres. Journal of Materials Chemistry A, 2018, 6, 1128-1137.	5.2	28
129	Chargeâ€Transfer Kinetics of The Solidâ€Electrolyte Interphase on Li₄Ti₅O₁₂ Thinâ€Film Electrodes. ChemSusChem, 2020, 13, 4041-4050.	3.6	28
130	Nucleation and phase-boundary movement upon stage transformation in lithiumâ€“graphite intercalation compounds. Electrochimica Acta, 1999, 45, 865-871.	2.6	27
131	Plasma etching of SiC surface using NF3. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 1254-1260.	0.9	27
132	Ion Transport in Organic Electrolyte Solution through the Pore Channels of Anodic Nanoporous Alumina Membranes. Electrochimica Acta, 2016, 199, 380-387.	2.6	27
133	In Situ Measurement of Local pH at Working Electrodes in Neutral pH Solutions by the Rotating Ringâ€Disk Electrode Technique. ChemElectroChem, 2019, 6, 4750-4756.	1.7	27
134	Improved electrochemical performances in a bismuth fluoride electrode prepared using a high energy ball mill with carbon for fluoride shuttle batteries. Journal of Electroanalytical Chemistry, 2019, 839, 173-176.	1.9	27
135	Investigation of Electrochemical Sodium-Ion Intercalation Behavior into Graphite-Based Electrodes. Journal of the Electrochemical Society, 2019, 166, A5323-A5327.	1.3	27
136	Lithium-ion transfer at a solid polymer electrolyte/non-graphitizable carbon electrode interface. Journal of Power Sources, 2005, 142, 329-332.	4.0	25
137	Lithium-Ion Transfer at an Electrolyte/Heat-Treated Nongraphitizable Carbon Electrode Interface. Journal of the Electrochemical Society, 2005, 152, A1521.	1.3	25
138	Potassium Salts. Electrochemical and Solid-State Letters, 2006, 9, A115.	2.2	25
139	Electrochemical Analysis of Lithium-Ion Transfer Reaction through the Interface between Ceramic Electrolyte and Ionic Liquids. Journal of the Electrochemical Society, 2012, 159, A1766-A1769.	1.3	25
140	Structural insights into ion conduction of layered double hydroxides with various proportions of trivalent cations. Journal of Materials Chemistry A, 2013, 1, 14569.	5.2	25
141	Electrochemical performance of a lead fluoride electrode mixed with carbon in an electrolyte containing triphenylboroxine as an anion acceptor for fluoride shuttle batteries. Materials Chemistry and Physics, 2019, 226, 1-5.	2.0	25
142	Study of the Decomposition of Propylene Carbonate on Lithium Metal Surface by Pyrolysisâ^'Gas Chromatographyâ^'Mass Spectroscopy. Langmuir, 2003, 19, 814-821.	1.6	24
143	Influence of surfactants as additives to electrolyte solutions on zinc electrodeposition and potential oscillation behavior. Journal of Applied Electrochemistry, 2016, 46, 1067-1073.	1.5	24
144	Electrochemical AFM Study of Surface Films Formed on the HOPG Edge Plane in Propylene Carbonate-Based Electrolytes. Journal of the Electrochemical Society, 2013, 160, A678-A683.	1.3	23

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145	High-Rate Charging of Zinc Anodes Achieved by Tuning Hydration Properties of Zinc Complexes in Water Confined within Nanopores. Journal of Physical Chemistry C, 2016, 120, 24112-24120.	1.5	23
146	Influence of carbonaceous materials on electronic conduction in electrode-slurry. Carbon, 2017, 122, 202-206.	5.4	23
147	Evolution of Reactions of a Fluoride Shuttle Battery at the Surfaces of BiF₃ Microclusters Studied by Inâ€…Situ Raman Microscopy. ChemSusChem, 2019, 12, 527-534.	3.6	23
148	Using siloxane-based liquid electrolytes with high stability for fluoride shuttle batteries. Journal of Materials Chemistry A, 2020, 8, 22134-22142.	5.2	23
149	Surface modification of graphitized carbonaceous materials by electropolymerization of thiophene and their effects on electrochemical properties. Carbon, 2005, 43, 2352-2357.	5.4	22
150	In situ Raman study on the structural degradation of a graphite composite negative-electrode and the influence of the salt in the electrolyte solution. Journal of Power Sources, 2013, 236, 138-144.	4.0	22
151	In Situ Raman Study of Graphite Negative-Electrodes in Electrolyte Solution Containing Fluorinated Phosphoric Esters. Journal of the Electrochemical Society, 2014, 161, A480-A485.	1.3	22
152	In situ Raman investigation of electrolyte solutions in the vicinity of graphite negative electrodes. Physical Chemistry Chemical Physics, 2016, 18, 27486-27492.	1.3	22
153	Ultrafine Fiber Raman Probe with High Spatial Resolution and Fluorescence Noise Reduction. Journal of Physical Chemistry C, 2016, 120, 2585-2591.	1.5	22
154	Strontium cobalt oxychlorides: enhanced electrocatalysts for oxygen reduction and evolution reactions. Chemical Communications, 2017, 53, 2713-2716.	2.2	22
155	Difference of rate performance between discharge and charge reactions for bismuth fluoride electrode in lithium-ion battery. Journal of Electroanalytical Chemistry, 2017, 806, 82-87.	1.9	22
156	Experimental Visualization of Interstitialcy Diffusion Pathways in Fast-Fluoride-Ion-Conducting Solid Electrolyte Ba_{0.6}La_{0.4}F_{2.4}. ACS Applied Energy Materials, 2020, 3, 2873-2880.	2.5	22
157	Surface film formation on nickel electrodes in a propylene carbonate solution at elevated temperatures. Journal of Power Sources, 2002, 108, 163-173.	4.0	21
158	Lithium-Ion Transfer at the Interface between High Potential Negative Electrodes and Ionic Liquids. Journal of the Electrochemical Society, 2014, 161, A1939-A1942.	1.3	21
159	In situ Raman spectroscopic studies on concentration change of electrolyte salt in a lithium ion model battery with closely faced graphite composite and LiCoO 2 composite electrodes by using an ultrafine microprobe. Electrochimica Acta, 2017, 234, 93-98.	2.6	21
160	STM Study of Well-Defined Graphite/Electrolyte Interface Polarized in Propylene Carbonate Solution Containing 12-Crown-4. Electrochemistry, 1999, 67, 1153-1155.	0.6	21
161	Synthesis of highly graphitized carbonaceous thin films by plasma assisted chemical vapor deposition and their electrochemical properties in propylene carbonate solution. Electrochemistry Communications, 2002, 4, 310-313.	2.3	20
162	Effect of an Alkyl Dicarbonate on Li-Ion Cell Performance. Journal of the Electrochemical Society, 2005, 152, A1963.	1.3	20

#	Article	IF	Citations
163	A simple method of electrochemical lithium intercalation within graphite from a propylene carbonate-based solution. Electrochemistry Communications, 2013, 31, 24-27.	2.3	20
164	Investigation of Electronic Resistance in Lithium-Ion Batteries by AC Impedance Spectroscopy. Journal of the Electrochemical Society, 2017, 164, A3862-A3867.	1.3	20
165	Assessing Reaction Mechanisms of Graphite Negative Electrodes Based on Operando Synchrotron Radiation Diffraction Data. Journal of the Electrochemical Society, 2021, 168, 040509.	1.3	20
166	In situ atomic force microscopy observation of lithium deposition at an elevated temperature. Journal of Power Sources, 2001, 97-98, 265-268.	4.0	19
167	Soft Carbon-coated Hard Carbon Beads as a Lithium-ion Battery Anode Material. Chemistry Letters, 2003, 32, 1130-1131.	0.7	19
168	Electro-oxidation of Methanol on Gold Nanoparticles Supported on Ptâˆ•MoO[sub x]âˆ•C. Journal of the Electrochemical Society, 2005, 152, A1870.	1.3	19
169	Enhancing Effect of Carbon Surface in the Non-Aqueous Li-O2 Battery Cathode. Electrochemistry, 2012, 80, 783-786.	0.6	19
170	Electrochemical lithium ion intercalation into graphite electrode in propylene carbonate-based electrolytes with dimethyl carbonate and calcium salt. Journal of Power Sources, 2013, 238, 65-68.	4.0	19
171	In Situ Observation of Fluoride Shuttle Battery Reactions with Dissolution-Deposition Mechanisms by Raman Microscopy. Journal of the Electrochemical Society, 2019, 166, A635-A640.	1.3	19
172	Electrochemical STM Study on Surface Morphology Change of HOPG Basal Plane in an Organic Electrolyte Solution. Chemistry Letters, 1995, 24, 661-662.	0.7	18
173	Preparation of surface-modified carbonaceous thin-film electrodes by NF3 plasma and their electrochemical properties. Journal of Power Sources, 2005, 146, 151-155.	4.0	18
174	Influence of Surface Orientation on the Catalytic Activities of La 0.8 Sr 0.2 CoO 3 Crystal Electrodes for Oxygen Reduction and Evolution Reactions. ChemElectroChem, 2016, 3, 214-217.	1.7	18
175	Surface composition of a SiO x film anode cycled in carbonate electrolyte for Li-ion batteries. Electrochimica Acta, 2017, 229, 438-444.	2.6	18
176	Electrochemical Properties of a SiO_x Film Anode Pre-lithiated by Evaporation of Metallic Li in Li-ion Batteries. Chemistry Letters, 2017, 46, 1365-1367.	0.7	18
177	Sequential delithiation behavior and structural rearrangement of a nanoscale composite-structured Li1.2Ni0.2Mn0.6O2 during chargeâ€“discharge cycles. Scientific Reports, 2020, 10, 10048.	1.6	18
178	Bi-intercalation of H2SO4 into stages 4â€“6 FeCl3â€“graphite intercalation compounds. Journal of Materials Research, 1993, 8, 1586-1595.	1.2	17
179	Calorimetric Study on the Hysteresis in the Charge-Discharge Profiles of Mesocarbon Microbeads Heat-Treated at Low Temperatures. Journal of the Electrochemical Society, 2000, 147, 4008.	1.3	17
180	New Li2FeSiO4â€“carbon monoliths with controlled macropores: effects of pore properties on electrode performance. Physical Chemistry Chemical Physics, 2013, 15, 8736.	1.3	17

#	Article	IF	Citations
181	Implications of Testing a Zincâ€“Oxygen Battery with Zinc Foil Anode Revealed by Operando Gas Analysis. ACS Omega, 2020, 5, 626-633.	1.6	17
182	Chromogenic Amorphous MoO_{3â€“x} Nanosheets and Their Nanostructured Films for Smart Window Applications. ACS Applied Nano Materials, 2021, 4, 8781-8788.	2.4	17
183	Effect of pyrophosphates as supporting matrices on proton conductivity for NH4PO3 composites at intermediate temperatures. Journal of Power Sources, 2007, 171, 483-488.	4.0	16
184	TEM observation of heterogeneous polyhedronization behavior in graphitized carbon nanospheres. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 148, 245-248.	1.7	16
185	Development and degradation of graphitic microtexture in carbon nanospheres under a morphologically restrained condition. Materials Chemistry and Physics, 2010, 121, 419-424.	2.0	16
186	In situ Raman spectroscopic analysis of solvent co-intercalation behavior into a solid electrolyte interphase-covered graphite electrode. Journal of Applied Electrochemistry, 2019, 49, 639-646.	1.5	16
187	In Situ Local pH Measurements with Hydrated Iridium Oxide Ring Electrodes in Neutral pH Aqueous Solutions. Chemistry Letters, 2020, 49, 195-198.	0.7	16
188	Influence of defects on the phase-boundary movement in a stage transformation of lithium-graphite intercalation compounds. Carbon, 1999, 37, 1591-1598.	5.4	15
189	High Rate Discharge Performance and Thermal Stability of Heat-Treated Carbon Nanobeads. Journal of the Electrochemical Society, 2009, 156, A682.	1.3	15
190	Single-Step Synthesis of Nanosized Titanium-Based Oxide/Carbon Nanotube Composites by Electrospray Deposition and Their Electrochemical Properties. Journal of Physical Chemistry C, 2009, 113, 7719-7722.	1.5	15
191	Surface Modification of Graphitized Carbonaceous Thin-Film Electrodes with Silver for Enhancement of Interfacial Lithium-Ion Transfer. Journal of Physical Chemistry C, 2012, 116, 12422-12425.	1.5	15
192	Hierarchically porous monoliths of oxygen-deficient anatase TiO2â^'x with electronic conductivity. RSC Advances, 2013, 3, 7205.	1.7	15
193	Electrochemical preparation of a lithiumâ€“graphite-intercalation compound in a dimethyl sulfoxide-based electrolyte containing calcium ions. Carbon, 2013, 57, 232-238.	5.4	15
194	Spectroscopic Analysis of Surface Layers in Close Contact with Edge Plane Graphite Negative-Electrodes. Journal of the Electrochemical Society, 2013, 160, A575-A580.	1.3	15
195	Structural stabilization on SiO x film anode with large areal capacity for enhanced cyclability in lithium-ion batteries. Journal of Power Sources, 2016, 324, 45-51.	4.0	15
196	Suppression of Co-Intercalation Reaction of Propylene Carbonate and Lithium Ion into Graphite Negative Electrode by Addition of Diglyme. Journal of the Electrochemical Society, 2016, 163, A1265-A1269.	1.3	15
197	Insight into the state of the ZrO2 coating on a LiCoO2 thin-film electrode using the ferrocene redox reaction. Journal of Applied Electrochemistry, 2017, 47, 1203-1211.	1.5	15
198	Mechanism of the Loss of Capacity of LiNiO₂ Electrodes for Use in Aqueous Li-Ion Batteries: Unveiling a Fundamental Cause of Deterioration in an Aqueous Electrolyte through In Situ Raman Observation. ACS Applied Materials & Interfaces, 2020, 12, 56076-56085.	4.0	15

#	Article	IF	Citations
199	Evolution of Fluoride Shuttle Battery Reactions of BiF₃ Microparticles in a CsF/LiBOB/Tetraglyme Electrolyte: Dependence on Structure, Size, and Shape. ACS Applied Energy Materials, 2020, 3, 9390-9400.	2.5	15
200	Dual-Site Catalysis of Fe-Incorporated Oxychlorides as Oxygen Evolution Electrocatalysts. Chemistry of Materials, 2020, 32, 8195-8202.	3.2	15
201	Cathodeâ€Electrolyteâ€Interphase Film Formation on a LiNiO₂ Surface in Conventional Aqueous Electrolytes: Simple Method to Improve the Electrochemical Performance of LiNiO₂ Electrodes for Use in Aqueous Liâ€Ion Batteries. Advanced Energy Materials, 2021, 11, 2100756.	10.2	15
202	Effect of Calcination Conditions on Porous Reduced Titanium Oxides and Oxynitrides via a Preceramic Polymer Route. Inorganic Chemistry, 2015, 54, 2802-2808.	1.9	14
203	Investigations of Electrochemically Active Regions in Bifunctional Air Electrodes Using Partially Immersed Platinum Electrodes. Journal of the Electrochemical Society, 2015, 162, A1646-A1653.	1.3	14
204	Penetration of Platinum Complex Anions into Porous Silicon: Anomalous Behavior Caused by Surface-Induced Phase Transition. Journal of Physical Chemistry C, 2015, 119, 19105-19116.	1.5	14
205	Analysis of Cathode Reactions of Lithium Ion Cells Using Dynamic Electrochemical Impedance. Journal of the Electrochemical Society, 2020, 167, 020502.	1.3	14
206	Lactone-Based Liquid Electrolytes for Fluoride Shuttle Batteries. Journal of the Electrochemical Society, 2021, 168, 010529.	1.3	14
207	Carbonate formation on carbon electrode in rechargeable zinc-air battery revealed by in-situ Raman measurements. Journal of Power Sources, 2022, 533, 231237.	4.0	14
208	Electrochemical effect of gold nanoparticles on Pt/Î±-Fe2O3/C for use in methanol oxidation in alkaline solution. Electrochimica Acta, 2007, 52, 3582-3587.	2.6	13
209	Effects of specific adsorption of copper (II) ion on charge transfer reaction at the thin film LiMn2O4 electrode/aqueous electrolyte interface. Electrochimica Acta, 2009, 54, 3428-3432.	2.6	13
210	Aminated Perfluorosulfonic Acid Ionomers to Improve the Triple Phase Boundary Region in Anion-Exchange Membrane Fuel Cells. Journal of the Electrochemical Society, 2010, 157, A1153.	1.3	13
211	In Situ Raman Study on Reversible Structural Changes of Graphite Negative-Electrodes at High Potentials in LiPF₆-Based Electrolyte Solution. Journal of the Electrochemical Society, 2016, 163, A2435-A2440.	1.3	13
212	Irreversible morphological changes of a graphite negative-electrode at high potentials in LiPF₆-based electrolyte solution. Physical Chemistry Chemical Physics, 2016, 18, 22426-22433.	1.3	13
213	Cycling Fading Mechanism for a Bismuth Fluoride Electrode in a Lithiumâ€Ion Battery. ChemistrySelect, 2017, 2, 3504-3510.	0.7	13
214	In situ diagnosis of the electrolyte solution in a laminate lithium ion battery by using ultrafine multi-probe Raman spectroscopy. Journal of Power Sources, 2017, 359, 435-440.	4.0	13
215	Interface structure between tetraglyme and graphite. Journal of Chemical Physics, 2017, 147, 124701.	1.2	13
216	Evolution and Migration of Lithium-Deficient Phases during Electrochemical Delithiation of Large Single Crystals of LiFePO₄. ACS Applied Energy Materials, 2018, 1, 1140-1145.	2.5	13

#	Article	IF	Citations
217	Reactivity and Mechanisms in Fluoride Shuttle Battery Reactions: Difference between Orthorhombic and Cubic BiF₃ Single Microparticles. ACS Applied Energy Materials, 2019, 2, 8801-8808.	2.5	13
218	Borolan-2-yl involving anion acceptors for organic liquid electrolyte-based fluoride shuttle batteries. Journal of Fluorine Chemistry, 2020, 240, 109672.	0.9	13
219	Reactivity of the anion acceptor in electrolyte: An important factor in achieving high electrochemical performance of a lead (II) fluoride electrode in a fluoride shuttle battery. Journal of Electroanalytical Chemistry, 2020, 871, 114103.	1.9	13
220	Lithium-ion-conductive polyethylene oxide based polymer electrolytes containing tris(pentafluorophyenyl)borane. Journal of Fluorine Chemistry, 2003, 123, 279-282.	0.9	12
221	Surface Film Formation on Graphite Negative Electrode at Elevated Temperatures. Electrochemistry, 2003, 71, 1132-1135.	0.6	12
222	Electrochemical Properties of Graphitized Carbonaceous Thin Films Prepared by PACVD. Journal of the Electrochemical Society, 2004, 151, C694.	1.3	12
223	Effect of the Addition of Bivalent Ions on Electrochemical Lithium-Ion Intercalation at Graphite Electrodes. Journal of the Electrochemical Society, 2016, 163, A1693-A1696.	1.3	12
224	Comparative study of approaches to achieve improved cyclability and high capacity in a silicon suboxide film anode for lithium-ion batteries. Electrochimica Acta, 2017, 245, 1005-1009.	2.6	12
225	Development of New Electronic Conductivity Measurement Method for Lithium-ion Battery Electrodeâ€“Slurry. Chemistry Letters, 2017, 46, 892-894.	0.7	12
226	In Situ AFM Observation of Surface Morphology of Highly Oriented Pyrolytic Graphite in Propylene Carbonate-Based Electrolyte Solutions Containing Lithium and Bivalent Cations. Journal of the Electrochemical Society, 2017, 164, A48-A53.	1.3	12
227	Structural and Electrochemical Properties of Tysonite Ce0.95A0.05F2.95 (A = Mg, Ca, Sr, and Ba): Fast-Fluoride-Ion-Conducting Solid Electrolytes. Journal of Physical Chemistry C, 2020, 124, 18452-18461.	1.5	12
228	Reversible Electrochemical Reaction of a Fluoride Shuttle Battery with a Bismuth(III) Fluoride Electrode and Electrolyte Containing Triphenylboroxine as an Anion Acceptor. ChemistrySelect, 2020, 5, 6237-6241.	0.7	12
229	Electrochemical behavior of CuF2 as reversible cathode in an organic liquid electrolyte for room-temperature fluoride-shuttle batteries. Journal of Power Sources, 2021, 496, 229828.	4.0	12
230	Electrochemical Intercalation of Li into Carbon Thin Films Prepared by Plasma CVD. Molecular Crystals and Liquid Crystals, 2000, 340, 517-522.	0.3	11
231	Lithium Ion Transfer At Carbon Thin Film Electrode/Electrolyte Interface. Molecular Crystals and Liquid Crystals, 2002, 388, 141-146.	0.4	11
232	Lithium-ion transfer between LixCoO2and polymer gel electrolytes. Science and Technology of Advanced Materials, 2006, 7, 519-523.	2.8	11
233	Electrochemical STM Observation of Li[sub 1+x]Mn[sub 2â^'x]O[sub 4] Thin Films Prepared by Pulsed Laser Deposition. Journal of the Electrochemical Society, 2008, 155, A20.	1.3	11
234	What insertion species is electrochemically intercalated into the LiNiO2 electrode in aqueous solutions?. Journal of Power Sources, 2020, 477, 229036.	4.0	11

#	Article	IF	Citations
235	A new Bi0.7Fe1.3O1.5F1.7 phase: Crystal structure, magnetic properties, and cathode performance in fluoride-ion batteries. APL Materials, 2020, 8, .	2.2	11
236	Effect of anion acceptor added to the electrolyte on the electrochemical performance of bismuth(III) fluoride in a fluoride shuttle battery. Chemical Physics Letters, 2020, 755, 137785.	1.2	11
237	Lithium-ion Transfer Kinetics through Solid Electrolyte Interphase on Graphite Electrodes. Electrochemistry, 2020, 88, 69-73.	0.6	11
238	Ionic liquid-containing cathodes empowering ceramic solid electrolytes. IScience, 2022, 25, 103896.	1.9	11
239	Phase Diagram of Li-Graphite Intercalation Compound Formed by the Charge/Discharge Reaction in Li-Ion Battery. Journal of the Electrochemical Society, 2022, 169, 070507.	1.3	11
240	Effect of oxygen concentration on the spike formation during reactive ion etching of SiC using the mixed gas plasma of NF3 and O2. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2007, 25, 391-400.	0.9	10
241	Lactone Formation on Carbonaceous Materials during Electrochemical Oxidation. Chemistry Letters, 2009, 38, 788-789.	0.7	10
242	Lithium-ion Transfer at the Interface between Solid and Liquid Electrolytes under Applying DC Voltage. Chemistry Letters, 2010, 39, 826-827.	0.7	10
243	Preparation and electrochemical properties of SiO2â€“non-graphitizable carbon composites as negative electrode materials for Li-ion batteries. Journal of Applied Electrochemistry, 2012, 42, 69-74.	1.5	10
244	Effect of cation species on surface-induced phase transition observed for platinum complex anions in platinum electrodeposition using nanoporous silicon. Journal of Chemical Physics, 2014, 141, 074701.	1.2	10
245	Accelerated growth from amorphous clusters to metallic nanoparticles observed in electrochemical deposition of platinum within nanopores of porous silicon. Electrochemistry Communications, 2016, 71, 9-12.	2.3	10
246	Investigation of the Surface State of LiCoO2Thin-Film Electrodes Using a Redox Reaction of Ferrocene. Journal of the Electrochemical Society, 2017, 164, A555-A559.	1.3	10
247	In situ Raman spectroscopic studies on concentration change of ions in the electrolyte solution in separator regions in a lithium ion battery by using multi-microprobes. Electrochemistry Communications, 2017, 77, 32-35.	2.3	10
248	Direct measurements of local current distributions on electrodes covered with thin liquid electrolyte films. Electrochemistry Communications, 2017, 84, 53-56.	2.3	10
249	Diffusion of Li-deficient phases in large LiFePO4 single crystals during chemical delithiation. Journal of Materials Chemistry A, 2018, 6, 11005-11011.	5.2	10
250	Formation and Propagation of Fluorine-Deficient Phases in Large LaF₃ Single Crystals during Electrochemical Defluorination. ACS Applied Energy Materials, 2019, 2, 3092-3097.	2.5	10
251	Fluoride shuttle batteries: On the performance of the BiF3 electrode in organic liquid electrolytes containing a mixture of lithium bis(oxalato)borate and triphenylboroxin. Solid State Ionics, 2020, 357, 115499.	1.3	10
252	Electrochemical Performance of BiF 3 â€BaF 2 Solid Solution with Three Different Phases on a Fluoride Shuttle Battery System. ChemistrySelect, 2020, 5, 4943-4946.	0.7	10

#	Article	IF	Citations
253	Electrochemical Lithiation/Delithiation of ZnO in 3D-Structured Electrodes: Elucidating the Mechanism and the Solid Electrolyte Interphase Formation. ACS Applied Materials & Interfaces, 2021, 13, 35625-35638.	4.0	10
254	Influence of LiBOB as an Electrolyte Additive on the Performance of BiF₃/C for Fluoride Shuttle Batteries. Journal of the Electrochemical Society, 2020, 167, 120508.	1.3	10
255	Reversible Charge/Discharge Reaction of a Ternary Metal Fluoride, Pb₂CuF₆: A Highly Conductive Cathode Material for Fluoride-Ion Batteries. ACS Applied Energy Materials, 2022, 5, 1002-1009.	2.5	10
256	Debye-Waller factors of FeCl3- and ICl-graphite intercalation compounds. Carbon, 1995, 33, 1789-1793.	5.4	9
257	Surface film formation on graphite negative electrodes in rechargeable lithium batteries. Macromolecular Symposia, 2000, 156, 195-202.	0.4	9
258	Raman scattering study of acceptor-acceptor-type graphite bi-intercalation compounds. Physical Review B, 2000, 61, 11344-11347.	1.1	9
259	Electrochemical Reaction Mechanism for Bi_{1â€x}Ba_xF_{3â€x} (x=0, 0.1, 0.2, and 0.4) Electrodes in Lithiumâ€Ion Batteries. ChemistrySelect, 2017, 2, 6399-6406.	0.7	9
260	Charge and Discharge Reactions of a Lead Fluoride Electrode in a Liquidâ€Based Electrolyte for Fluoride Shuttle Batteries:â€The Role of Triphenylborane as an Anion Acceptorâ€. ChemistrySelect, 2019, 4, 5984-5987.	0.7	9
261	Low-Cost Fluoride Source for Organic Liquid Electrolyte-Based Fluoride Shuttle Battery. Journal of the Electrochemical Society, 2021, 168, 010501.	1.3	9
262	Kinetic properties of sodium-ion transfer at the interface between graphitic materials and organic electrolyte solutions. Journal of Applied Electrochemistry, 2021, 51, 629-638.	1.5	9
263	Preparation of LiMn[sub 2]O[sub 4] Thin-Film Electrode by the Oxygen Plasma-Assisted Sol-Gel Method. Electrochemical and Solid-State Letters, 2004, 7, A481.	2.2	8
264	Novel Graphitised Carbonaceous Materials for Use as a Highly Corrosionâ€Tolerant Catalyst Support in Polymer Electrolyte Fuel Cells. Fuel Cells, 2010, 10, 960-965.	1.5	8
265	Effects of Cyclic Ether Addition on Intercalation/De-Intercalation Reactions of Lithium Ion at Graphite in Mn-Ion-Containing Electrolyte Solutions. Journal of the Electrochemical Society, 2016, 163, A1607-A1611.	1.3	8
266	Correlations of concentration changes of electrolyte salt with resistance and capacitance at the surface of a graphite electrode in a lithium ion battery studied by in situ microprobe Raman spectroscopy. Electrochimica Acta, 2017, 251, 301-306.	2.6	8
267	Effect of Lewis Acids on Graphite-Electrode Properties in EC-Based Electrolyte Solutions with Organophosphorus Compounds. Journal of the Electrochemical Society, 2018, 165, A680-A687.	1.3	8
268	Lithiumâ€Ion Transfer at Cathodeâ€Electrolyte Interface in Diluted Electrolytes Using Electrochemical Impedance Spectroscopy. ChemElectroChem, 2020, 7, 1644-1651.	1.7	8
269	Electrochemical properties of surface-modified hard carbon electrodes for lithium-ion batteries. Electrochimica Acta, 2021, 379, 138175.	2.6	8
270	Electrochemical, Thermal, and Structural Features of BaF₂â€“SnF₂ Fluoride-Ion Electrolytes. Journal of Physical Chemistry C, 2021, 125, 12568-12577.	1.5	8

#	Article	IF	Citations
271	Surface Plasma Modification of Carbonaceous Thin Film Electrodes. Electrochemistry, 2003, 71, 1111-1113.	0.6	8
272	Surface Modification Of Carbonaceous Thin Films By Nf 3 Plasma And Their Effects On Electrochemical Properties. Molecular Crystals and Liquid Crystals, 2002, 388, 117-122.	0.4	7
273	Electrical conductivity change of AM-GICs by ternarization with ammonia. Journal of Physics and Chemistry of Solids, 2004, 65, 191-194.	1.9	7
274	Mechanism for Electrochemical Oxidation of Highly Oriented Pyrolytic Graphite during Potential Cycling in Sulfuric Acid Solution. ECS Transactions, 2007, 11, 1003-1011.	0.3	7
275	Correlation between electrochemical and structural properties in NH4PO3/(NH4)2MP4O13 (M=Ti and) Tj ETQq1 1 0.784314 rgBT /Ov	1.3	7
276	Preparation of lithium manganese oxide fine particles by spray pyrolysis and their electrochemical properties. Journal of Power Sources, 2007, 174, 1057-1062.	4.0	7
277	Formation of â€œfuzzyâ€•phases with high proton conductivities in the composites of polyphosphoric acid and metal oxide nanoparticles. Physical Chemistry Chemical Physics, 2012, 14, 11135.	1.3	7
278	Solid electrolyte interphase formation in propylene carbonate-based electrolyte solutions for lithium-ion batteries based on the Lewis basicity of the co-solvent and counter anion. Journal of Applied Electrochemistry, 2016, 46, 1099-1107.	1.5	7
279	Investigation on Surface-Film Formation Behavior of LiMn2 O4 Thin-Film Electrodes in LiClO4 /Propylene Carbonate. ChemistrySelect, 2017, 2, 2895-2900.	0.7	7
280	Nanoscale Defluorination Mechanism and Solid Electrolyte Interphase of a MgF₂ Anode in Fluoride-Shuttle Batteries. ACS Applied Energy Materials, 2021, 4, 996-1003.	2.5	7
281	Relation between Mixing Processes and Properties of Lithium-ion Battery Electrode-slurry. Electrochemistry, 2021, 89, 585-589.	0.6	7
282	Alkali Metal Ion Insertion and Extraction on Non-Graphitizable Carbon with Closed Pore Structures. Journal of the Electrochemical Society, 2021, 168, 070508.	1.3	7
283	Analysis of Intercalation/De-Intercalation of Li Ions Into/From Graphite at 0 Â°C via Operando Synchrotron X-ray Diffraction. Journal of the Electrochemical Society, 2021, 168, 090515.	1.3	7
284	Ion-solvent interaction for lithium-ion transfer at the interface between carbonaceous thin-film electrode and electrolyte. Tanso, 2010, 2010, 188-191.	0.1	7
285	Fluoride Ion-Selective Electrode for Organic Solutions. Analytical Chemistry, 2021, 93, 15058-15062.	3.2	7
286	Electrochemical properties of Ni-rich LiNi Co Mn O2 materials for use in aqueous lithium-ion batteries: How do they differ from those in non-aqueous systems?. Journal of Power Sources, 2022, 524, 231081.	4.0	7
287	Electrolytes for Room-Temperature Rechargeable Fluoride Shuttle Batteries. ACS Applied Energy Materials, 0, , .	2.5	7
288	Amorphous Liâ€“Vâ€“Siâ€“O Thin Films as High-Voltage Negative Electrode Materials for Thin-Film Rechargeable Lithium-Ion Batteries. Journal of the Electrochemical Society, 2006, 153, A1148.	1.3	6

#	Article	IF	Citations
289	Dynamic manipulation of the local pH within a nanopore triggered by surface-induced phase transition. Physical Chemistry Chemical Physics, 2017, 19, 16323-16328.	1.3	6
290	Mechanism of Accelerated Zinc Electrodeposition in Confined Nanopores, Revealed by X-ray Absorption Fine Structure Spectroscopy. Journal of Physical Chemistry C, 2017, 121, 18047-18056.	1.5	6
291	Lithium-Ion Intercalation by Calcium-Ion Addition in Propylene Carbonate-Trimethyl Phosphate Electrolyte Solution. Journal of the Electrochemical Society, 2018, 165, A349-A354.	1.3	6
292	Defluorination/fluorination mechanism of Bi0.8Ba0.2F2.8 as a fluoride shuttle battery positive electrode. Journal of Electroanalytical Chemistry, 2021, 895, 115508.	1.9	6
293	Li-Graphite Intercalation Compounds Synthesized in Various Ether-Type Organic Solvents. Tanso, 1998, 1998, 290-295.	0.1	6
294	Preparation and Electrochemical Properties of Carbonaceous Thin Films Prepared by C2H4/NF3 Glow Discharge Plasma. Tanso, 1999, 1999, 252-256.	0.1	6
295	Effects of a Solid Solution Outer Layer of TiO₂ on the Surface and Electrochemical Properties of LiNi_{0.6}Co_{0.2}Mn_{0.2}O₂ Cathodes for Lithium-Ion Batteries through the Use of Thin-Film Electrodes. ACS Applied Energy Materials, 0, , .	2.5	6
296	Preparation of FeCl3â€“IBrâ€“H2SO4â€“graphite multi-intercalation compounds. Journal of Materials Research, 1994, 9, 377-382.	1.2	5
297	Mass-spectrometric study of vaporization of FeCl3-graphite intercalation compound. Journal of Physics and Chemistry of Solids, 1996, 57, 787-790.	1.9	5
298	Influence of Supporting Materials on Catalytic Activities of Gold Nanoparticles as CO-Tolerant Catalysts in DMFC. Electrochemistry, 2007, 75, 217-220.	0.6	5
299	Studies on Lithium-Ion Diffusion in Heat-Treated CNBs by Microelectrode Method. Journal of the Electrochemical Society, 2009, 156, A639.	1.3	5
300	Intercalation/De-Intercalation Reactions of Lithium Ion at Graphite in Electrolyte Solutions Containing 3D-Transition-Metal Ions and Cyclic Ethers. Journal of the Electrochemical Society, 2016, 163, A2849-A2853.	1.3	5
301	Acceptor-type hydroxide graphite intercalation compounds electrochemically formed in high ionic strength solutions. Chemical Communications, 2017, 53, 10034-10037.	2.2	5
302	Effects of pored separator films at the anode and cathode sides on concentration changes of electrolyte salt in lithium ion batteries. Japanese Journal of Applied Physics, 2017, 56, 128002.	0.8	5
303	Characterization of the Interface between LiMn₂O₄ Thin-film Electrode and LiBOB-based Electrolyte Solution by Redox Reaction of Ferrocene. Electrochemistry, 2018, 86, 254-259.	0.6	5
304	Electrochemical Stabilization of Self-Extinguishing Electrolyte Solutions with Trimethyl Phosphate by Adding Potassium Salts. Journal of Physical Chemistry C, 2018, 122, 12657-12664.	1.5	5
305	Reproducible and stable cycling performance data on secondary zinc oxygen batteries. Scientific Data, 2020, 7, 395.	2.4	5
306	Electrochemical Surface Analysis of LiMn₂O₄ Thin-film Electrodes in LiPF₆/Propylene Carbonate at Room and Elevated Temperatures. Electrochemistry, 2021, 89, 19-24.	0.6	5

#	Article	IF	Citations
307	Effect of Electrolyte Additives on Kinetic Parameters of Lithium-ion Transfer Reactions at Electrolyte/Graphite Interface. Electrochemistry, 2020, 88, 365-368.	0.6	5
308	Bi-intercalation of ICl into a stage-5FeCl3graphite intercalation compound. Physical Review B, 1995, 52, 14159-14162.	1.1	4
309	X-ray diffraction and Raman scattering studies of FeCl₃â€“SbCl₅-graphite bi-intercalation compounds. Journal of Materials Research, 1996, 11, 3039-3044.	1.2	4
310	Measurement of Carbon Amount in Carbon-coated Graphite by Thermal Analysis. Chemistry Letters, 2002, 31, 238-239.	0.7	4
311	Effects of Addition of Layered Double Hydroxide to Air Electrodes for Metal-Air Batteries. Electrochemistry, 2012, 80, 728-730.	0.6	4
312	Electrochemical Performances of Zinc Oxide Electrodes Coated with Layered Double Hydroxides in Alkaline Solutions. Chemistry Letters, 2015, 44, 1359-1361.	0.7	4
313	Electrochemical Behavior of Spinel Lithium Titanate in Ionic Liquid/Water Bilayer Electrolyte. Journal of the Electrochemical Society, 2016, 163, A2497-A2500.	1.3	4
314	Electrochemical Behavior of Graphitized Carbon Nanospheres in a Propylene Carbonate-Based Electrolyte Solution. Journal of the Electrochemical Society, 2018, 165, A2247-A2254.	1.3	4
315	Concentrated Sodium Bis(fluorosulfonyl)amide Aqueous Electrolyte Solutions for Electric Double-layer Capacitors. Electrochemistry, 2020, 88, 91-93.	0.6	4
316	Xâ€Ray Total Scattering of Electrolytes in Liquidâ€Based Fluoride Shuttle Battery: Electrolyte Composition Dependence of the Lowâ€•Q Peak. Physica Status Solidi (B): Basic Research, 2020, 257, 2000202.	0.7	4
317	Sodium/Lithium-Ion Transfer Reaction at the Interface between Low-Crystallized Carbon Nanosphere Electrodes and Organic Electrolytes. ACS Omega, 2021, 6, 18737-18744.	1.6	4
318	Synchronized Operando Analysis of Graphite Negative Electrode of Li-Ion Battery. Journal of the Electrochemical Society, 2021, 168, 080508.	1.3	4
319	Stabilizing the Nanosurface of LiNiO₂ Electrodes by Varying the Electrolyte Concentration: Correlation with Initial Electrochemical Behaviors for Use in Aqueous Li-Ion Batteries. ACS Applied Materials & Interfaces, 2021, 13, 44284-44293.	4.0	4
320	Debye-waller factors of ICl-graphite intercalation compounds prepared from natural graphite flakes and graphitized polyimide films. Journal of Physics and Chemistry of Solids, 1996, 57, 783-786.	1.9	3
321	LITHIUM ION TRANSFER THROUGH THE INTERFACE BETWEEN POSITIVE ELECTRODE AND ELECTROLYTE IN RECHARGEABLE LITHIUM BATTERIES. , 2002, , .		3
322	Surface Modification of Carbonaceous Thin Films by Electropolymerization of Pyrrole and its Effects on Electrochemical Properties (1). Tanso, 2003, 2003, 217-220.	0.1	3
323	Charge Transfer Reactions in Lithium-ion Batteries. Hyomen Kagaku, 2006, 27, 609-612.	0.0	3
324	TEM and Electron Tomography Imaging of Pt Particles Dispersed on Carbon Nanospheres. Journal of Nano Research, 2010, 11, 119-124.	0.8	3

#	Article	IF	Citations
325	Investigation of the Surface Film Forming Process on Nongraphitizable Carbon Electrodes by In-situ Atomic Force Microscopy. Electrochemistry, 2016, 84, 769-771.	0.6	3
326	Sodium-ion Intercalation Behavior of Graphitized Carbon Nanospheres Covered with Basal Plane. Chemistry Letters, 2019, 48, 799-801.	0.7	3
327	Solvated Lithium Ion Intercalation Behavior of Graphitized Carbon Nanospheres. Electrochemistry, 2020, 88, 79-82.	0.6	3
328	Operandoanalysis of graphite intercalation compounds with fluoride-containing polyatomic anions in aqueous solutions. Materials Advances, 2021, 2, 2310-2317.	2.6	3
329	Mechanisms of and three-dimensional morphology changes in fluoride shuttle battery reactions of PbF₂ microparticles. Journal of Materials Chemistry A, 2021, 9, 22544-22554.	5.2	3
330	Molecular Structural Influence of Glymes on Co-Intercalation Behavior of Solvated Li⁺ in Graphite Electrodes. Journal of the Electrochemical Society, 2021, 168, 060525.	1.3	3
331	Atomic-level nature of solid/liquid interface for energy conversion revealed by frequency modulation atomic force microscopy. Japanese Journal of Applied Physics, 2021, 60, SE0806.	0.8	3
332	In Situ Observation at the Surface of Zinc in Alkaline Solution under Pulsed Current by Holographic Interferometry. Journal of the Electrochemical Society, 2021, 168, 080509.	1.3	3
333	Influence of conductive additives on the electrochemical compatibility of cupper fluoride cathode for FSB. Journal of Electroanalytical Chemistry, 2021, 900, 115744.	1.9	3
334	Fluoride Ion Conductive Polymer Electrolytes for All-solid-state Fluoride Shuttle Batteries. Electrochemistry, 2020, 88, 310-313.	0.6	3
335	Operando Observations of Reversible Î±-BiF₃ Conversion in Liquid Electrolyte by Synchrotron Radiation Diffraction and ⁷Li Nuclear Magnetic Resonance. Journal of the Electrochemical Society, 2020, 167, 120518.	1.3	3
336	LiNi_{0.5}Mn_{1.5}O₄ Cathode Materials Co-Doped with La³⁺ and S^{2â^’} for Use in Lithium-Ion Batteries. Electrochemistry, 2022, 90, 017010-017010.	0.6	3
337	Kinetics of Interfacial Lithium-ion Transfer between a Graphite Negative Electrode and a Li₂S-P₂S₅ Glassy Solid Electrolyte. Electrochemistry, 2022, 90, 037003-037003.	0.6	3
338	Preparation of stages 2â€“4 ternary AlCl3â€“FeCl3-graphite intercalation compounds. Journal of Materials Research, 1995, 10, 1196-1199.	1.2	2
339	Preparation of Alkali Metal-graphite Intercalation Compounds in the Solutions of Alkali Metals Dissolved in Dimethoxymethane or Diethoxyethane. Tanso, 1998, 1998, 262-265.	0.1	2
340	Meniscus Formation and Hydrogen Oxidation on Partially Immersed Pt-Carbon Electrode. Electrochemistry, 2007, 75, 248-257.	0.6	2
341	1ï¼Žãƒ¢ãƒ‹ã‚¿ãƒªãƒ³ã‚°ã‚·ã‚¹ãƒ†ãƒ ã‚’ç”¨ã„ãŸãƒªãƒã‚¦ãƒ ã‚¤ã‚ªãƒ³é›»æ± ã®å†…éƒ¨æ§‹é€ è§£æžâ€•. Electrochemistry, 2012, 80, 89-92.	0.6	2
342	Influences of metal oxides on carbon corrosion under imposed electrochemical potential conditions. Carbon, 2012, 50, 1644-1649.	5.4	2

#	Article	IF	Citations
343	Fabrication of Step-edge-decorated Graphite Electrodes with Platinum and Their Electrocatalytic Activities. Chemistry Letters, 2013, 42, 606-608.	0.7	2
344	Modification of the Solid Electrolyte Interphase by Chronoamperometric Pretreatment and Its Effect on the Concentration Change of Electrolyte Salt in Lithium Ion Batteries Studied by In Situ Microprobe Raman Spectroscopy. Journal of the Electrochemical Society, 2017, 164, A2355-A2359.	1.3	2
345	Influence of Concentrations of LiNO₃ Aqueous Electrolytes on Initial Electrochemical Properties of LiNiO₂ Electrodes. Chemistry Letters, 2021, 50, 1071-1074.	0.7	2
346	Influence of Chemical Operation on the Electrocatalytic Activity of Ba_{0.5}Sr_{0.5}Co_{0.8}Fe_{0.2}O_{3â^Î´} for the Oxygen Evolution Reaction. Journal of the Electrochemical Society, 2022, 169, 010518.	1.3	2
347	Impact of Hydrogen Peroxide on Carbon Corrosion in Aqueous KOH Solution. Electrochemistry, 2022, 90, 017011-017011.	0.6	2
348	Effects of Solvation Structures on the Co-intercalation Suppression Ability of the Solid Electrolyte Interphase Formed on Graphite Electrodes. Chemistry Letters, 2022, 51, 618-621.	0.7	2
349	ãƒªãƒã‚¦ãƒ ã‚¤ã‚ªãƳé›»æ±è²æ¥µææ–™ã•ã•ã¦ã®ãƒŠãƒŽã‚«ãƼãƒœãƳ. Electrochemistry, 2008, 76, 354-357.	0.6	1
350	Local Current Distributions on Electrodes Covered with Anion-exchange Films. Chemistry Letters, 2018, 47, 171-174.	0.7	1
351	Chargeâ€Transfer Kinetics of the Solidâ€“Electrolyte Interphase on Li 4 Ti 5 O 12 Thinâ€Film Electrodes. ChemSusChem, 2020, 13, 3944-3944.	3.6	1
352	Complementary Actions of Tungsten Oxides and Carbon to Catalyze the Redox Reaction of VO2+/VO2+ in Vanadium Redox Flow Batteries. ChemElectroChem, 2021, 8, 3695.	1.7	1
353	High fluoride-ion conductivity and fluoride-ion conductorâ^'insulator transition in fluorinated hexagonal boron nitride. Materials Today Physics, 2021, 21, 100523.	2.9	1
354	Nano-Aspects of Carbon Negative Electrodes for Li Ion Batteries. Nanostructure Science and Technology, 2014, , 31-40.	0.1	1
355	Synthesis and Characterization of Acceptor Type Graphite Bi-Intercalation Compounds. Tanso, 2000, 2000, 414-419.	0.1	1
356	Morphology of nano-carbon materials and their electrochemical properties as the negative electrodes in lithium-ion batteries. Tanso, 2012, 2012, 274-279.	0.1	1
357	Black Phosphorus-Graphite Material Composites with a Low Activation Energy of Interfacial Conductivity. Electrochemistry, 2022, 90, .	0.6	1
358	Reciprocal Sum Expression for Steady-state Kinetics. â€"Enzyme Reactions and Voltammetryâ€". Electrochemistry, 2022, , .	0.6	1
359	Raman Scattering Study of FeCl3 Based Graphite Bi-Intercalation Compounds. Molecular Crystals and Liquid Crystals, 2000, 340, 173-178.	0.3	0
360	High-pressure synthesis of a novel form of endohedral Li diamond from Li graphite intercalation compound. Journal of Physics and Chemistry of Solids, 2004, 65, 933-938.	1.9	0

#	Article	IF	Citations
361	Lithium-ion-conductive polymer electrolytes exhibit a high lithium-ion transference number with the incorporation of fluorine atoms. , 2005, , 335-347.		0
362	Preparation of Nano-sized Negative Electrode Materials by a Spray Pyrolysis Method. ECS Meeting Abstracts, 2005, , .	0.0	0
363	Preparation of carbonaceous thin films by plasma-assisted chemical vapor deposition and their application to energy devices. Tanso, 2007, 2007, 352-361.	0.1	0
364	Improvement of Electrochemical Stability of Carbonaceous Materials for Fuel Cells by Using Metal Oxide Deposition. ECS Meeting Abstracts, 2009, , .	0.0	0
365	(Invited) Electrodeposition in Microporous Silicon from the Viewpoint of Hydration Property: Effect of Coexisting Ions in Zinc Electrodeposition. ECS Transactions, 2015, 69, 15-21.	0.3	0
366	Liâ€Ion Batteries: Cathodeâ€Electrolyteâ€Interphase Film Formation on a LiNiO₂ Surface in Conventional Aqueous Electrolytes: Simple Method to Improve the Electrochemical Performance of LiNiO₂ Electrodes for Use in Aqueous Liâ€Ion Batteries (Adv. Energy Mater. 25/2021). Advanced Energy Materials, 2021, 11, 2170094.	10.2	0
367	Hysteresis of the charge transfer resistance between the charge and discharge processes obtained from electrochemical impedance measurements using a thin-film cathode for a lithium-ion cell. Journal of Electroanalytical Chemistry, 2021, 899, 115675.	1.9	0
368	Preparation of carbonaceous thin films by plasma-assisted chemical vapor deposition using active fluorine atoms. Tanso, 2007, 2007, 293-298.	0.1	0
369	Electrochemical properties of carbon nanofibers as the negative electrode in lithium-ion batteries. Tanso, 2013, 2013, 52-56.	0.1	0
370	Thermodynamic Properties of FeCl3-graphite Intercalation Compounds by Mass-spectrometric Knudsen Effusion Method. Tanso, 1996, 1996, 266-271.	0.1	0
371	Surface-Modified Li4Ti5O12 in Highly Concentrated Aqueous Solutions for Use in Aqueous Rechargeable Lithium Batteries. Journal of the Electrochemical Society, 2020, 167, 120512.	1.3	0
372	Crystal structure, ionic conductivity and lithium-ion diffusion pathway in a Laâ€“Liâ€“Coâ€“O system. Journal of the Ceramic Society of Japan, 2020, 128, 453-456.	0.5	0
373	Interfacial lithium-ion transfer between the graphite negative electrode and the electrolyte solution. Tanso, 2020, 2020, 9-14.	0.1	0
374	Electrochemical Performance of Nanorod-like (La, Zr) Co-Doped Li-rich Li_{1.2}Ni_{0.2}Mn_{0.6}O₂ Cathodes for Use in Lithium-Ion Batteries. Electrochemistry, 2022, 90, 017008-017008.	0.6	0
375	Study on the Analysis of the Current-potential Curve of RDE in Electrocatalytic Reactions. Review of Polarography, 2020, 66, 77-84.	0.0	0
376	Study of Behavior of Supporting Electrolyte Ion of Fluoride Shuttle Battery Using Anomalous Xâ€Ray Scattering. Advanced Energy and Sustainability Research, 0, , 2200020.	2.8	0