

Takeshi Abe

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

365
papers

11,997
citations

58
h-index

96
g-index

382
ext. papers

13,132
ext. citations

4.9
avg, IF

6.41
L-index

#	Paper	IF	Citations
365	Influence of Chemical Operation on the Electrocatalytic Activity of Ba _{0.5} Sr _{0.5} Co _{0.8} Fe _{0.2} O ₃ for the Oxygen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 010518	3.9	0
364	Impact of Hydrogen Peroxide on Carbon Corrosion in Aqueous KOH Solution. <i>Electrochemistry</i> , 2022 , 90, 017011-017011	1.2	0
363	Reversible Charge/Discharge Reaction of a Ternary Metal Fluoride, Pb ₂ CuF ₆ : A Highly Conductive Cathode Material for Fluoride-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2022 , 5, 1002-1009	6.1	2
362	Electrochemical properties of Ni-rich LiNi _x Co _y Mn _z O ₂ materials for use in aqueous lithium-ion batteries: How do they differ from those in non-aqueous systems?. <i>Journal of Power Sources</i> , 2022 , 524, 231081	8.9	0
361	Ionic liquid-containing cathodes empowering ceramic solid electrolytes.. <i>IScience</i> , 2022 , 25, 103896	6.1	0
360	Kinetics of Interfacial Ion Transfer in Lithium-Ion Batteries: Mechanism Understanding and Improvement Strategies.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	11
359	Carbonate formation on carbon electrode in rechargeable zinc-air battery revealed by in-situ Raman measurements. <i>Journal of Power Sources</i> , 2022 , 533, 231237	8.9	1
358	Effects of Solvation Structures on the Co-intercalation Suppression Ability of the Solid Electrolyte Interphase Formed on Graphite Electrodes. <i>Chemistry Letters</i> , 2022 , 51, 618-621	1.7	1
357	Fluoride Ion-Selective Electrode for Organic Solutions. <i>Analytical Chemistry</i> , 2021 , 93, 15058-15062	7.8	0
356	Assessing Reaction Mechanisms of Graphite Negative Electrodes Based on Operando Synchrotron Radiation Diffraction Data. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 040509	3.9	7
355	Cathode-Electrolyte-Interphase Film Formation on a LiNiO ₂ Surface in Conventional Aqueous Electrolytes: Simple Method to Improve the Electrochemical Performance of LiNiO ₂ Electrodes for Use in Aqueous Li-Ion Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2100756	21.8	4
354	Influence of Concentrations of LiNO ₃ Aqueous Electrolytes on Initial Electrochemical Properties of LiNiO ₂ Electrodes. <i>Chemistry Letters</i> , 2021 , 50, 1071-1074	1.7	1
353	Electrochemical properties of surface-modified hard carbon electrodes for lithium-ion batteries. <i>Electrochimica Acta</i> , 2021 , 379, 138175	6.7	1
352	Electrochemical, Thermal, and Structural Features of BaF ₂ /nF ₂ Fluoride-Ion Electrolytes. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12568-12577	3.8	2
351	Electrochemical behavior of CuF ₂ as reversible cathode in an organic liquid electrolyte for room-temperature fluoride-shuttle batteries. <i>Journal of Power Sources</i> , 2021 , 496, 229828	8.9	4
350	Molecular Structural Influence of Glymes on Co-Intercalation Behavior of Solvated Li ⁺ in Graphite Electrodes. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 060525	3.9	2
349	Electrochemical Lithiation/Delithiation of ZnO in 3D-Structured Electrodes: Elucidating the Mechanism and the Solid Electrolyte Interphase Formation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 35625-35638	9.5	2

348	Operando analysis of graphite intercalation compounds with fluoride-containing polyatomic anions in aqueous solutions. <i>Materials Advances</i> , 2021 , 2, 2310-2317	3.3	1
347	Nanoscale Defluorination Mechanism and Solid Electrolyte Interphase of a MgF ₂ Anode in Fluoride-Shuttle Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 996-1003	6.1	1
346	Low-Cost Fluoride Source for Organic Liquid Electrolyte-Based Fluoride Shuttle Battery. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 010501	3.9	5
345	Kinetic properties of sodium-ion transfer at the interface between graphitic materials and organic electrolyte solutions. <i>Journal of Applied Electrochemistry</i> , 2021 , 51, 629-638	2.6	4
344	Li-Ion Batteries: Cathode-Electrolyte-Interphase Film Formation on a LiNiO ₂ Surface in Conventional Aqueous Electrolytes: Simple Method to Improve the Electrochemical Performance of LiNiO ₂ Electrodes for Use in Aqueous Li-Ion Batteries (Adv. Energy Mater. 25/2021). <i>Advanced Energy Materials</i> , 2021 , 11, 2170094	21.8	
343	Sodium/Lithium-Ion Transfer Reaction at the Interface between Low-Crystallized Carbon Nanosphere Electrodes and Organic Electrolytes. <i>ACS Omega</i> , 2021 , 6, 18737-18744	3.9	2
342	Atomic-level nature of solid/liquid interface for energy conversion revealed by frequency modulation atomic force microscopy. <i>Japanese Journal of Applied Physics</i> , 2021 , 60, SE0806	1.4	2
341	Synchronized Operando Analysis of Graphite Negative Electrode of Li-Ion Battery. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 080508	3.9	0
340	Defluorination/fluorination mechanism of Bi _{0.8} Ba _{0.2} F _{2.8} as a fluoride shuttle battery positive electrode. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 895, 115508	4.1	3
339	In Situ Observation at the Surface of Zinc in Alkaline Solution under Pulsed Current by Holographic Interferometry. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 080509	3.9	
338	Chromogenic Amorphous MoO ₃ Nanosheets and Their Nanostructured Films for Smart Window Applications. <i>ACS Applied Nano Materials</i> , 2021 , 4, 8781-8788	5.6	4
337	Stabilizing the Nanosurface of LiNiO Electrodes by Varying the Electrolyte Concentration: Correlation with Initial Electrochemical Behaviors for Use in Aqueous Li-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44284-44293	9.5	1
336	Influence of conductive additives on the electrochemical compatibility of copper fluoride cathode for FSB. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 900, 115744	4.1	0
335	Complementary Actions of Tungsten Oxides and Carbon to Catalyze the Redox Reaction of VO ₂ ⁺ /VO ₂ ⁺ in Vanadium Redox Flow Batteries. <i>ChemElectroChem</i> , 2021 , 8, 3695	4.3	0
334	Analysis of Intercalation/De-Intercalation of Li Ions Into/From Graphite at 0 °C via Operando Synchrotron X-ray Diffraction. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 090515	3.9	2
333	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. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 899, 115675	4.1	
332	High fluoride-ion conductivity and fluoride-ion conductor/insulator transition in fluorinated hexagonal boron nitride. <i>Materials Today Physics</i> , 2021 , 21, 100523	8	
331	Electrochemical Surface Analysis of LiMn ₂ O ₄ Thin-film Electrodes in LiPF ₆ /Propylene Carbonate at Room and Elevated Temperatures. <i>Electrochemistry</i> , 2021 , 89, 19-24	1.2	3

330	Lactone-Based Liquid Electrolytes for Fluoride Shuttle Batteries. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 010529	3.9	8
329	A new Bi _{0.7} Fe _{1.3} O _{1.5} F _{1.7} phase: Crystal structure, magnetic properties, and cathode performance in fluoride-ion batteries. <i>APL Materials</i> , 2020 , 8, 051103	5.7	5
328	Reversible Electrochemical Reaction of a Fluoride Shuttle Battery with a Bismuth(III) Fluoride Electrode and Electrolyte Containing Triphenylboroxine as an Anion Acceptor. <i>ChemistrySelect</i> , 2020 , 5, 6237-6241	1.8	9
327	Concentrated Sodium Bis(fluorosulfonyl)amide Aqueous Electrolyte Solutions for Electric Double-layer Capacitors. <i>Electrochemistry</i> , 2020 , 88, 91-93	1.2	2
326	X-Ray Total Scattering of Electrolytes in Liquid-Based Fluoride Shuttle Battery: Electrolyte Composition Dependence of the Low-Q Peak. <i>Physica Status Solidi (B): Basic Research</i> , 2020 , 257, 2000202 ^{1,3}	1.3	4
325	Effect of anion acceptor added to the electrolyte on the electrochemical performance of bismuth(III) fluoride in a fluoride shuttle battery. <i>Chemical Physics Letters</i> , 2020 , 755, 137785	2.5	4
324	Implications of Testing a Zinc-Oxygen Battery with Zinc Foil Anode Revealed by Operando Gas Analysis. <i>ACS Omega</i> , 2020 , 5, 626-633	3.9	11
323	Solvated Lithium Ion Intercalation Behavior of Graphitized Carbon Nanospheres. <i>Electrochemistry</i> , 2020 , 88, 79-82	1.2	2
322	In Situ Local pH Measurements with Hydrated Iridium Oxide Ring Electrodes in Neutral pH Aqueous Solutions. <i>Chemistry Letters</i> , 2020 , 49, 195-198	1.7	4
321	Experimental Visualization of Interstitialcy Diffusion Pathways in Fast-Fluoride-Ion-Conducting Solid Electrolyte Ba _{0.6} La _{0.4} F _{2.4} . <i>ACS Applied Energy Materials</i> , 2020 , 3, 2873-2880	6.1	13
320	Electrochemical Performance of BiF ₃ -BaF ₂ Solid Solution with Three Different Phases on a Fluoride Shuttle Battery System. <i>ChemistrySelect</i> , 2020 , 5, 4943-4946	1.8	7
319	Present LIB Chemistries 2020 , 1-35		
318	Lithium-Ion Transfer at Cathode-Electrolyte Interface in Diluted Electrolytes Using Electrochemical Impedance Spectroscopy. <i>ChemElectroChem</i> , 2020 , 7, 1644-1651	4.3	7
317	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. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 871, 114103	4.1	5
316	Influence of LiBOB as an Electrolyte Additive on the Performance of BiF ₃ /C for Fluoride Shuttle Batteries. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 120508	3.9	8
315	Effect of Electrolyte Additives on Kinetic Parameters of Lithium-ion Transfer Reactions at Electrolyte/Graphite Interface. <i>Electrochemistry</i> , 2020 , 88, 365-368	1.2	3
314	Study on the Analysis of the Current-potential Curve of RDE in Electrocatalytic Reactions. <i>Review of Polarography</i> , 2020 , 66, 77-84	0.2	
313	Lithium-ion Transfer Kinetics through Solid Electrolyte Interphase on Graphite Electrodes. <i>Electrochemistry</i> , 2020 , 88, 69-73	1.2	6

312	Fluoride Ion Conductive Polymer Electrolytes for All-solid-state Fluoride Shuttle Batteries. <i>Electrochemistry</i> , 2020 , 88, 310-313	1.2	2
311	Surface-Modified Li ₄ Ti ₅ O ₁₂ in Highly Concentrated Aqueous Solutions for Use in Aqueous Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 120512	3.9	
310	Crystal structure, ionic conductivity and lithium-ion diffusion pathway in a La _{0.1} Li _{0.9} CoO ₃ system. <i>Journal of the Ceramic Society of Japan</i> , 2020 , 128, 453-456	1	
309	Operando Observations of Reversible BiF ₃ Conversion in Liquid Electrolyte by Synchrotron Radiation Diffraction and ⁷ Li Nuclear Magnetic Resonance. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 120518	3.9	1
308	Interfacial lithium-ion transfer between the graphite negative electrode and the electrolyte solution. <i>Tanso</i> , 2020 , 2020, 9-14	0.1	
307	Analysis of Cathode Reactions of Lithium Ion Cells Using Dynamic Electrochemical Impedance. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 020502	3.9	6
306	Using siloxane-based liquid electrolytes with high stability for fluoride shuttle batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22134-22142	13	7
305	Charge-Transfer Kinetics of The Solid-Electrolyte Interphase on Li Ti O Thin-Film Electrodes. <i>ChemSusChem</i> , 2020 , 13, 4041-4050	8.3	13
304	Sequential delithiation behavior and structural rearrangement of a nanoscale composite-structured LiNiMnO during charge-discharge cycles. <i>Scientific Reports</i> , 2020 , 10, 10048	4.9	10
303	Reproducible and stable cycling performance data on secondary zinc oxygen batteries. <i>Scientific Data</i> , 2020 , 7, 395	8.2	2
302	Mechanism of the Loss of Capacity of LiNiO Electrodes for Use in Aqueous Li-Ion Batteries: Unveiling a Fundamental Cause of Deterioration in an Aqueous Electrolyte through Raman Observation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 56076-56085	9.5	8
301	Charge-Transfer Kinetics of the Solid-Electrolyte Interphase on Li Ti O Thin-Film Electrodes. <i>ChemSusChem</i> , 2020 , 13, 3944	8.3	
300	Borolan-2-yl involving anion acceptors for organic liquid electrolyte-based fluoride shuttle batteries. <i>Journal of Fluorine Chemistry</i> , 2020 , 240, 109672	2.1	6
299	What insertion species is electrochemically intercalated into the LiNiO ₂ electrode in aqueous solutions?. <i>Journal of Power Sources</i> , 2020 , 477, 229036	8.9	6
298	Evolution of Fluoride Shuttle Battery Reactions of BiF ₃ Microparticles in a CsF/LiBOB/Tetraglyme Electrolyte: Dependence on Structure, Size, and Shape. <i>ACS Applied Energy Materials</i> , 2020 , 3, 9390-9400	6.1	9
297	Dual-Site Catalysis of Fe-Incorporated Oxochlorides as Oxygen Evolution Electrocatalysts. <i>Chemistry of Materials</i> , 2020 , 32, 8195-8202	9.6	8
296	Structural and Electrochemical Properties of Tysonite Ce _{0.95} A _{0.05} F _{2.95} (A = Mg, Ca, Sr, and Ba): Fast-Fluoride-Ion-Conducting Solid Electrolytes. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 18452-18461	3.8	3
295	Fluoride shuttle batteries: On the performance of the BiF ₃ electrode in organic liquid electrolytes containing a mixture of lithium bis(oxalato)borate and triphenylboroxin. <i>Solid State Ionics</i> , 2020 , 357, 115499	3.3	6

294	Electrochemical intercalation of bis(fluorosulfonyl)amide anions into graphite from aqueous solutions. <i>Electrochemistry Communications</i> , 2019 , 100, 26-29	5.1	33
293	In situ Raman spectroscopic analysis of solvent co-intercalation behavior into a solid electrolyte interphase-covered graphite electrode. <i>Journal of Applied Electrochemistry</i> , 2019 , 49, 639-646	2.6	12
292	Charge and Discharge Reactions of a Lead Fluoride Electrode in a Liquid-Based Electrolyte for Fluoride Shuttle Batteries:-The Role of Triphenylborane as an Anion Acceptor-. <i>ChemistrySelect</i> , 2019 , 4, 5984-5987	1.8	7
291	Improved electrochemical performances in a bismuth fluoride electrode prepared using a high energy ball mill with carbon for fluoride shuttle batteries. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 839, 173-176	4.1	21
290	Influence of Electrolyte Composition on the Electrochemical Reaction Mechanism of Bismuth Fluoride Electrode in Fluoride Shuttle Battery. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 10246-10252	3.8	25
289	Effects of LiBOB on salt solubility and BiF ₃ electrode electrochemical properties in fluoride shuttle batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8559-8567	13	22
288	In Situ Observation of Fluoride Shuttle Battery Reactions with Dissolution-Deposition Mechanisms by Raman Microscopy. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A635-A640	3.9	15
287	Sodium-ion Intercalation Behavior of Graphitized Carbon Nanospheres Covered with Basal Plane. <i>Chemistry Letters</i> , 2019 , 48, 799-801	1.7	2
286	In Situ Measurement of Local pH at Working Electrodes in Neutral pH Solutions by the Rotating Ring-Disk Electrode Technique. <i>ChemElectroChem</i> , 2019 , 6, 4750-4756	4.3	13
285	Formation and Propagation of Fluorine-Deficient Phases in Large LaF ₃ Single Crystals during Electrochemical Defluorination. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3092-3097	6.1	5
284	Reactivity and Mechanisms in Fluoride Shuttle Battery Reactions: Difference between Orthorhombic and Cubic BiF ₃ Single Microparticles. <i>ACS Applied Energy Materials</i> , 2019 , 2, 8801-8808	6.1	11
283	Evolution of Reactions of a Fluoride Shuttle Battery at the Surfaces of BiF Microclusters Studied by In Situ Raman Microscopy. <i>ChemSusChem</i> , 2019 , 12, 527-534	8.3	19
282	Investigation of Electrochemical Sodium-Ion Intercalation Behavior into Graphite-Based Electrodes. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A5323-A5327	3.9	15
281	Electrochemical performance of a lead fluoride electrode mixed with carbon in an electrolyte containing triphenylboroxine as an anion acceptor for fluoride shuttle batteries. <i>Materials Chemistry and Physics</i> , 2019 , 226, 1-5	4.4	17
280	Evolution and Migration of Lithium-Deficient Phases during Electrochemical Delithiation of Large Single Crystals of LiFePO ₄ . <i>ACS Applied Energy Materials</i> , 2018 , 1, 1140-1145	6.1	9
279	Lithium-Ion Intercalation by Calcium-Ion Addition in Propylene Carbonate-Trimethyl Phosphate Electrolyte Solution. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A349-A354	3.9	5
278	Lithium-ion intercalation and deintercalation behaviors of graphitized carbon nanospheres. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 1128-1137	13	19
277	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. <i>Electrochimica Acta</i> , 2018 , 265, 41-46	6.7	21

276	Effect of Lewis Acids on Graphite-Electrode Properties in EC-Based Electrolyte Solutions with Organophosphorus Compounds. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A680-A687	3.9	5
275	Electrochemical Behavior of Graphitized Carbon Nanospheres in a Propylene Carbonate-Based Electrolyte Solution. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A2247-A2254	3.9	3
274	Electrochemical properties of lead fluoride electrode in fluoride shuttle battery. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 826, 60-64	4.1	26
273	Improvement of cycling performance in bismuth fluoride electrodes by controlling electrolyte composition in fluoride shuttle batteries. <i>Journal of Applied Electrochemistry</i> , 2018 , 48, 1205-1211	2.6	25
272	Characterization of the Interface between LiMn2O4 Thin-film Electrode and LiBOB-based Electrolyte Solution by Redox Reaction of Ferrocene. <i>Electrochemistry</i> , 2018 , 86, 254-259	1.2	3
271	Origin of the Electrochemical Stability of Aqueous Concentrated Electrolyte Solutions. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A3299-A3303	3.9	50
270	Triphenylboroxine and Triphenylborane as Anion Acceptors for Electrolyte in Fluoride Shuttle Batteries. <i>Chemistry Letters</i> , 2018 , 47, 1346-1349	1.7	25
269	Local Current Distributions on Electrodes Covered with Anion-exchange Films. <i>Chemistry Letters</i> , 2018 , 47, 171-174	1.7	1
268	Electrochemical Stabilization of Self-Extinguishing Electrolyte Solutions with Trimethyl Phosphate by Adding Potassium Salts. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 12657-12664	3.8	4
267	Diffusion of Li-deficient phases in large LiFePO4 single crystals during chemical delithiation. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11005-11011	13	8
266	Towards zinc-oxygen batteries with enhanced cycling stability: The benefit of anion-exchange ionomer for zinc sponge anodes. <i>Journal of Power Sources</i> , 2018 , 395, 195-204	8.9	48
265	Investigation of the Surface State of LiCoO2 Thin-Film Electrodes Using a Redox Reaction of Ferrocene. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A555-A559	3.9	7
264	Surface composition of a SiO _x film anode cycled in carbonate electrolyte for Li-ion batteries. <i>Electrochimica Acta</i> , 2017 , 229, 438-444	6.7	13
263	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. <i>Electrochemistry Communications</i> , 2017 , 77, 32-35	5.1	7
262	Strontium cobalt oxychlorides: enhanced electrocatalysts for oxygen reduction and evolution reactions. <i>Chemical Communications</i> , 2017 , 53, 2713-2716	5.8	15
261	Cycling Fading Mechanism for a Bismuth Fluoride Electrode in a Lithium-Ion Battery. <i>ChemistrySelect</i> , 2017 , 2, 3504-3510	1.8	12
260	Comparative study of approaches to achieve improved cyclability and high capacity in a silicon suboxide film anode for lithium-ion batteries. <i>Electrochimica Acta</i> , 2017 , 245, 1005-1009	6.7	9
259	Influence of carbonaceous materials on electronic conduction in electrode-slurry. <i>Carbon</i> , 2017 , 122, 202-206	10.4	17

258	In situ diagnosis of the electrolyte solution in a laminate lithium ion battery by using ultrafine multi-probe Raman spectroscopy. <i>Journal of Power Sources</i> , 2017 , 359, 435-440	8.9	11
257	Charge/Discharge Behavior of Bismuth in a Liquid Electrolyte for Rechargeable Batteries Based on a Fluoride Shuttle. <i>ACS Energy Letters</i> , 2017 , 2, 1460-1464	20.1	55
256	Dynamic manipulation of the local pH within a nanopore triggered by surface-induced phase transition. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 16323-16328	3.6	4
255	Investigation on Surface-Film Formation Behavior of LiMn ₂ O ₄ Thin-Film Electrodes in LiClO ₄ /Propylene Carbonate. <i>ChemistrySelect</i> , 2017 , 2, 2895-2900	1.8	5
254	Development of New Electronic Conductivity Measurement Method for Lithium-ion Battery Electrode Slurry. <i>Chemistry Letters</i> , 2017 , 46, 892-894	1.7	7
253	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. <i>Electrochimica Acta</i> , 2017 , 234, 93-98	6.7	17
252	In Situ Raman Spectroscopic Studies on Concentration of Electrolyte Salt in Lithium-Ion Batteries by Using Ultrafine Multifiber Probes. <i>ChemSusChem</i> , 2017 , 10, 855-861	8.3	24
251	In Situ AFM Observation of Surface Morphology of Highly Oriented Pyrolytic Graphite in Propylene Carbonate-Based Electrolyte Solutions Containing Lithium and Bivalent Cations. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A48-A53	3.9	12
250	Insight into the state of the ZrO ₂ coating on a LiCoO ₂ thin-film electrode using the ferrocene redox reaction. <i>Journal of Applied Electrochemistry</i> , 2017 , 47, 1203-1211	2.6	7
249	Direct measurements of local current distributions on electrodes covered with thin liquid electrolyte films. <i>Electrochemistry Communications</i> , 2017 , 84, 53-56	5.1	7
248	Interface structure between tetraglyme and graphite. <i>Journal of Chemical Physics</i> , 2017 , 147, 124701	3.9	11
247	Acceptor-type hydroxide graphite intercalation compounds electrochemically formed in high ionic strength solutions. <i>Chemical Communications</i> , 2017 , 53, 10034-10037	5.8	4
246	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. <i>Electrochimica Acta</i> , 2017 , 251, 301-306	6.7	6
245	Mechanism of Accelerated Zinc Electrodeposition in Confined Nanopores, Revealed by X-ray Absorption Fine Structure Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 18047-18056	3.8	5
244	Electrochemical Reaction Mechanism for Bi _{1-x} Ba _x F _{3-x} (x=0, 0.1, 0.2, and 0.4) Electrodes in Lithium-Ion Batteries. <i>ChemistrySelect</i> , 2017 , 2, 6399-6406	1.8	7
243	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. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A2355-A2359	3.9	1
242	Electrochemical Performance of a Bismuth Fluoride Electrode in a Reserve-Type Fluoride Shuttle Battery. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A3702-A3708	3.9	48
241	Effects of pored separator films at the anode and cathode sides on concentration changes of electrolyte salt in lithium ion batteries. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 128002	1.4	3

240	Surface and interface sciences of Li-ion batteries. <i>Progress in Surface Science</i> , 2017 , 92, 240-280	6.6	54
239	Difference of rate performance between discharge and charge reactions for bismuth fluoride electrode in lithium-ion battery. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 806, 82-87	4.1	20
238	Electrochemical Properties of a SiO _x Film Anode Pre-lithiated by Evaporation of Metallic Li in Li-ion Batteries. <i>Chemistry Letters</i> , 2017 , 46, 1365-1367	1.7	8
237	Investigation of Electronic Resistance in Lithium-Ion Batteries by AC Impedance Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2017 , 164, A3862-A3867	3.9	15
236	In Situ Raman Study on Reversible Structural Changes of Graphite Negative-Electrodes at High Potentials in LiPF ₆ -Based Electrolyte Solution. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A2435-A2440	3.9	11
235	Electrochemical Behavior of Spinel Lithium Titanate in Ionic Liquid/Water Bilayer Electrolyte. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A2497-A2500	3.9	3
234	In situ Raman investigation of electrolyte solutions in the vicinity of graphite negative electrodes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 27486-27492	3.6	20
233	Influence of surfactants as additives to electrolyte solutions on zinc electrodeposition and potential oscillation behavior. <i>Journal of Applied Electrochemistry</i> , 2016 , 46, 1067-1073	2.6	21
232	Irreversible morphological changes of a graphite negative-electrode at high potentials in LiPF ₆ -based electrolyte solution. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 22426-33	3.6	12
231	High-Rate Charging of Zinc Anodes Achieved by Tuning Hydration Properties of Zinc Complexes in Water Confined within Nanopores. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 24112-24120	3.8	18
230	Intercalation/De-Intercalation Reactions of Lithium Ion at Graphite in Electrolyte Solutions Containing 3D-Transition-Metal Ions and Cyclic Ethers. <i>Journal of the Electrochemical Society</i> , 2016 , 163, A2849-A2853	3.9	4
229	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. <i>ChemElectroChem</i> , 2016 , 3, 214-217	4.3	15
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