

Xiao-Bo Ji

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.

370
papers

20,157
citations

74
h-index

127
g-index

395
ext. papers

25,279
ext. citations

9.9
avg, IF

7.53
L-index

#	Paper	IF	Citations
370	Ultra-Low-Dose Pre-Metallation Strategy Served for Commercial Metal-Ion Capacitors.. <i>Nano-Micro Letters</i> , 2022 , 14, 53	19.5	8
369	Tailoring MS Quantum Dots (M = Co, Ni, Cu, Zn) for Advanced Energy Storage Materials with Strong Interfacial Engineering.. <i>Small</i> , 2022 , e2106593	11	1
368	Graphene quantum dots enable dendrite-free zinc ion battery. <i>Nano Energy</i> , 2022 , 92, 106752	17.1	16
367	Recent advances of composite electrolytes for solid-state Li batteries. <i>Journal of Energy Chemistry</i> , 2022 , 67, 524-548	12	7
366	A tailor-made deep eutectic solvent for 2.2V wide temperature-tolerant supercapacitors via optimization of N,N-dimethylformamide/water co-solvents. <i>Journal of Power Sources</i> , 2022 , 521, 230954	8.9	1
365	Anchoring Interfacial Nickel Cations by Tunable Coordinative Structure for Highly Stabilized Nickel-Rich Layered Oxide Cathodes. <i>Nano Energy</i> , 2022 , 93, 106803	17.1	4
364	Discerning torquoselectivity in a series of cyclobutene ring-opening reactions using quantum theory of atoms in molecules and stress tensor. <i>International Journal of Quantum Chemistry</i> , 2022 , 122, e26826	2.1	1
363	Hierarchical bismuth composite for fast lithium storage: Carbon dots tuned interfacial interaction. <i>Energy Storage Materials</i> , 2022 , 44, 145-155	19.4	10
362	Enabling the sustainable recycling of LiFePO ₄ from spent lithium-ion batteries. <i>Green Chemistry</i> , 2022 , 24, 2506-2515	10	3
361	Crack-free single-crystalline Co-free Ni-rich LiNi _{0.95} Mn _{0.05} O ₂ layered cathode. <i>EScience</i> , 2022 ,		20
360	Electrochemical Zintl Cluster Bi ₂₂ Induced chemically bonded bismuth / graphene oxide composite for sodium-ion batteries. <i>Electrochimica Acta</i> , 2022 , 413, 140174	6.7	1
359	Robust artificial interlayer for columnar sodium metal anode. <i>Nano Energy</i> , 2022 , 97, 107203	17.1	4
358	Molecularly engineered organic copolymers as high capacity cathode materials for aqueous proton battery operating at sub-zero temperatures.. <i>Journal of Colloid and Interface Science</i> , 2022 , 619, 123-131	9.3	3
357	Advanced Pre-Diagnosis Method of Biomass Intermediates Toward High Energy Dual-Carbon Potassium-Ion Capacitor. <i>Advanced Energy Materials</i> , 2022 , 12, 2103221	21.8	12
356	Synthesis and electrochemical characterization of F- and Cl-doped Li ₂ FeSiO ₄ cathode material for lithium-ion battery. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 2310-2321	2.1	0
355	Carbon Dots-Regulated Pomegranate-Like Metal Oxide Composites: From Growth Mechanism to Lithium Storage.. <i>Small Methods</i> , 2022 , e2200245	12.8	0
354	A sustainable route from spent hydrogenation catalysts to lamellar spherical vanadium oxide hydrates for superior low-cost aqueous Zn-ion batteries. <i>Energy Storage Materials</i> , 2022 , 50, 1-11	19.4	0

353	General overview of sodium, potassium, and zinc-ion capacitors. <i>Journal of Alloys and Compounds</i> , 2022 , 913, 165216	5.7	2
352	Engineering multi-functionalized molecular skeleton layer for dendrite-free and durable zinc batteries. <i>Nano Energy</i> , 2022 , 99, 107426	17.1	5
351	Suppressing the voltage failure by twinned heterostructure for high power sodium-ion capacitor. <i>Chemical Engineering Journal</i> , 2022 , 446, 137070	14.7	0
350	Trace tea polyphenols enabling reversible dendrite-free zinc anode. <i>Journal of Colloid and Interface Science</i> , 2022 , 624, 450-459	9.3	1
349	Confined N-CoSe ₂ active sites boost bifunctional oxygen electrocatalysis for rechargeable Zn air batteries. <i>Nano Energy</i> , 2021 , 91, 106675	17.1	16
348	Zintl chemistry: Current status and future perspectives. <i>Chemical Engineering Journal</i> , 2021 , 133841	14.7	2
347	Engineering metal-sulfides with cations-tunable metal-oxides electrocatalysts with promoted catalytic conversion for robust ions-storage capability. <i>Energy Storage Materials</i> , 2021 , 45, 1183-1183	19.4	4
346	Single-Crystalline Ni-Rich layered cathodes with Super-Stable cycling. <i>Chemical Engineering Journal</i> , 2021 , 133731	14.7	3
345	New insights of QAIM and stress tensor to finding non-competitive/competitive torque selectivity of cyclobutene. <i>Journal of Chemical Physics</i> , 2021 , 155, 204305	3.9	1
344	Extremely low loading of carbon quantum dots for high energy density in polyetherimide nanocomposites. <i>Chemical Engineering Journal</i> , 2021 , 433, 133601	14.7	4
343	Natural mineral compounds in energy-storage systems: Development, challenges, prospects. <i>Energy Storage Materials</i> , 2021 , 45, 442-442	19.4	3
342	A 1.9-V all-organic battery-supercapacitor hybrid device with high rate capability and wide temperature tolerance in a metal-free water-in-salt electrolyte. <i>Journal of Colloid and Interface Science</i> , 2021 , 612, 76-87	9.3	5
341	Editorial for special issue on advanced materials for energy storage and conversion. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021 , 28, 1545-1548	3.1	2
340	MnO ₂ Nanowires Anchored with Graphene Quantum Dots for Stable Aqueous Zinc-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 10940-10947	6.1	2
339	Coupling regeneration strategy of lithium-ion electrode materials turned with naphthalenedisulfonic acid. <i>Waste Management</i> , 2021 , 136, 1-10	8.6	1
338	Comprehensive Understanding of Sodium-Ion Capacitors: Definition, Mechanisms, Configurations, Materials, Key Technologies, and Future Developments. <i>Advanced Energy Materials</i> , 2021 , 11, 2003804	21.8	46
337	Kilogram-Scale Synthesis and Functionalization of Carbon Dots for Superior Electrochemical Potassium Storage. <i>ACS Nano</i> , 2021 , 15, 6872-6885	16.7	60
336	Channel regulation of TFC membrane with hydrophobic carbon dots in forward osmosis. <i>Chinese Chemical Letters</i> , 2021 , 32, 2882-2882	8.1	1

335	Demystifying the Lattice Oxygen Redox in Layered Oxide Cathode Materials of Lithium-Ion Batteries. <i>ACS Nano</i> , 2021 , 15, 6061-6104	16.7	25
334	Sodium de-insertion processes in single Na TMO ₂ particles studied by an electrochemical collision method: O3 phases versus P2 phases. <i>Electrochemistry Communications</i> , 2021 , 125, 107000	5.1	0
333	Functionalized carbon dots for advanced batteries. <i>Energy Storage Materials</i> , 2021 , 37, 8-39	19.4	35
332	Unraveling the Mechanism of Chalcopyrite's Superior Performance for Lithium Storage. <i>ACS Applied Energy Materials</i> , 2021 , 4, 5086-5093	6.1	1
331	Fundamental and solutions of microcrack in Ni-rich layered oxide cathode materials of lithium-ion batteries. <i>Nano Energy</i> , 2021 , 83, 105854	17.1	66
330	Heterogeneous Interface Design for Enhanced Sodium Storage: Sb Quantum Dots Confined by Functional Carbon.. <i>Small Methods</i> , 2021 , 5, e2100188	12.8	3
329	Stabilizing Intermediate Phases via Efficient Entrapment Effects of Layered VS ₄ /SnS@C Heterostructure for Ultralong Lifespan Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2103802	15.6	23
328	Engineering Fe-N Coordination Structures for Fast Redox Conversion in Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2021 , 33, e2100171	24	42
327	Molecularly Compensated Pre-Metallation Strategy for Metal-Ion Batteries and Capacitors. <i>Angewandte Chemie</i> , 2021 , 133, 17207-17216	3.6	2
326	Molecularly Compensated Pre-Metallation Strategy for Metal-Ion Batteries and Capacitors. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 17070-17079	16.4	11
325	Structure and Interface Modification of Carbon Dots for Electrochemical Energy Application. <i>Small</i> , 2021 , 17, e2102091	11	8
324	Bi Dots Confined by Functional Carbon as High-Performance Anode for Lithium Ion Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2000756	15.6	43
323	Garnet Solid Electrolyte for Advanced All-Solid-State Li Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2000648	21.8	74
322	Electrochemically intercalated intermediate induced exfoliation of few-layer MoS ₂ from molybdenite for long-life sodium storage. <i>Science China Materials</i> , 2021 , 64, 115-127	7.1	12
321	Understanding crystal structures, ion diffusion mechanisms and sodium storage behaviors of NASICON materials. <i>Energy Storage Materials</i> , 2021 , 34, 171-193	19.4	40
320	Controllable fabrication of two-dimensional layered transition metal oxides through electrochemical exfoliation of non-van der Waals metals for rechargeable zinc-ion batteries. <i>Chemical Engineering Journal</i> , 2021 , 408, 127247	14.7	9
319	Interfacial challenges towards stable Li metal anode. <i>Nano Energy</i> , 2021 , 79, 105507	17.1	35
318	Mn-Substituted Tunnel-Type Polyantimonic Acid Confined in a Multidimensional Integrated Architecture Enabling Superfast-Charging Lithium-Ion Battery Anodes. <i>Advanced Science</i> , 2021 , 8, 2002866	13.6	12

317	Highly stable zinc metal anode enabled by oxygen functional groups for advanced Zn-ion supercapacitors. <i>Chemical Communications</i> , 2021 , 57, 528-531	5.8	15
316	Advanced Carbon Materials for Sodium-Ion Capacitors. <i>Batteries and Supercaps</i> , 2021 , 4, 538-553	5.6	7
315	Copper-substituted Na _x MO ₂ (M = Fe, Mn) cathodes for sodium ion batteries: Enhanced cycling stability through suppression of Mn(III) formation. <i>Chemical Engineering Journal</i> , 2021 , 406, 126830	14.7	16
314	Boosting the ionic conductivity of PEO electrolytes by waste eggshell-derived fillers for high-performance solid lithium/sodium batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 1315-1323	7.8	22
313	Prelithiation/Presodiation Techniques for Advanced Electrochemical Energy Storage Systems: Concepts, Applications, and Perspectives. <i>Advanced Functional Materials</i> , 2021 , 31, 2005581	15.6	60
312	Interfacial regulation of dendrite-free zinc anodes through a dynamic hydrophobic molecular membrane. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14265-14269	13	4
311	Olivine LiM _x Fe _{1-x} PO ₄ cathode materials for lithium ion batteries: restricted factors of rate performances. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14214-14232	13	9
310	Uniform and dendrite-free zinc deposition enabled by in situ formed AgZn ₃ for the zinc metal anode. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8452-8461	13	41
309	Electrochemically captured Zintl cluster-induced bismuthene for sodium-ion storage. <i>Chemical Communications</i> , 2021 , 57, 2396-2399	5.8	7
308	Liquid Alloy Interlayer for Aqueous Zinc-Ion Battery. <i>ACS Energy Letters</i> , 2021 , 6, 675-683	20.1	47
307	Designing Rational Interfacial Bonds for Hierarchical Mineral-Type Trogtalite with Double Carbon towards Ultra-Fast Sodium-Ions Storage Properties. <i>Advanced Functional Materials</i> , 2021 , 31, 2100156	15.6	13
306	Solid Solution Metal Chalcogenides for Sodium-Ion Batteries: The Recent Advances as Anodes. <i>Small</i> , 2021 , 17, e2101058	11	13
305	Electrochemically Engineering Antimony Interspersed on Graphene toward Advanced Sodium-Storage Anodes. <i>Inorganic Chemistry</i> , 2021 , 60, 12526-12535	5.1	1
304	Carbon Dots Evoked Li Ion Dynamics for Solid State Battery. <i>Small</i> , 2021 , 17, e2102978	11	19
303	The development of carbon dots: From the perspective of materials chemistry. <i>Materials Today</i> , 2021 , 51, 188-188	21.8	30
302	Highly efficient re-cycle/generation of LiCoO cathode assisted by 2-naphthalenesulfonic acid. <i>Journal of Hazardous Materials</i> , 2021 , 416, 126114	12.8	7
301	Interfacially Redistributed charge for robust lithium metal anode. <i>Nano Energy</i> , 2021 , 87, 106212	17.1	17
300	Presodiation Strategies for the Promotion of Sodium-Based Energy Storage Systems. <i>Chemistry - A European Journal</i> , 2021 , 27, 16082-16092	4.8	1

299	Modified bornite materials with high electrochemical performance for sodium and lithium storage. <i>Energy Storage Materials</i> , 2021 , 40, 150-158	19.4	6
298	Revealing dual capacitive mechanism of carbon cathode toward ultrafast quasi-solid-state lithium ion capacitors. <i>Journal of Energy Chemistry</i> , 2021 , 60, 209-221	12	15
297	Single LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ particle electrochemistry of collision. <i>Journal of Power Sources</i> , 2021 , 506, 230228	8.9	0
296	Engineering the morphology/porosity of oxygen-doped carbon for sulfur host as lithium-sulfur batteries. <i>Journal of Energy Chemistry</i> , 2021 , 60, 531-545	12	12
295	Functional carbon materials processed by NH ₃ plasma for advanced full-carbon sodium-ion capacitors. <i>Chemical Engineering Journal</i> , 2021 , 420, 129647	14.7	13
294	Liquid Alloying Na-K for Sodium Metal Anodes. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 9321-9327	6.4	2
293	High content anion (S/Se/P) doping assisted by defect engineering with fast charge transfer kinetics for high-performance sodium ion capacitors. <i>Science Bulletin</i> , 2021 , 66, 1858-1868	10.6	20
292	Reversible OP4 phase in P ₂ N ₂ /3Ni ₁ /3Mn ₂ /3O ₂ sodium ion cathode. <i>Journal of Power Sources</i> , 2021 , 508, 230324	8.9	12
291	Pseudocapacitive and battery-type organic polymer electrodes for a 1.9V hybrid supercapacitor with a record concentration of ammonium acetate. <i>Journal of Power Sources</i> , 2021 , 511, 230434	8.9	14
290	Doubling the cyclic stability of 3D hierarchically structured composites of 1T-MoS ₂ /polyaniline/graphene through the formation of LiF-rich solid electrolyte interphase. <i>Applied Surface Science</i> , 2021 , 565, 150582	6.7	4
289	N,S-codoped carbon dots as deposition regulating electrolyte additive for stable lithium metal anode. <i>Energy Storage Materials</i> , 2021 , 42, 679-686	19.4	10
288	Nanomaterials for electrochemical energy storage. <i>Frontiers of Nanoscience</i> , 2021 , 18, 421-484	0.7	0
287	Selective recovery of Cu(II) through polymer inclusion membranes mediated with 2-aminomethylpyridine derivatives. <i>Transactions of Nonferrous Metals Society of China</i> , 2021 , 31, 3591-3601	3.3	1
286	Electronic Effect and Regiochemistry of Substitution in Pre-sodiation Chemistry. <i>Journal of Physical Chemistry Letters</i> , 2021 , 11968-11979	6.4	0
285	Bi-Based Electrode Materials for Alkali Metal-Ion Batteries. <i>Small</i> , 2020 , 16, e2004022	11	32
284	Insights into Enhanced Capacitive Behavior of Carbon Cathode for Lithium Ion Capacitors: The Coupling of Pore Size and Graphitization Engineering. <i>Nano-Micro Letters</i> , 2020 , 12, 121	19.5	64
283	High Sulfur-Doped Hard Carbon with Advanced Potassium Storage Capacity via a Molten Salt Method. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30431-30437	9.5	23
282	Defect Rich Hierarchical Porous Carbon for High Power Supercapacitors. <i>Frontiers in Chemistry</i> , 2020 , 8, 43	5	19

281	Manganese-based layered oxide cathodes for sodium ion batteries. <i>Nano Select</i> , 2020 , 1, 200-225	3.1	10
280	Engineering metal sulfides with hierarchical interfaces for advanced sodium-ion storage systems. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5284-5297	13	21
279	Interfacial Bonding of Metal-Sulfides with Double Carbon for Improving Reversibility of Advanced Alkali-Ion Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1910599	15.6	38
278	Nitrogen-doped Carbon Coated Na ₃ V ₂ (PO ₄) ₃ with Superior Sodium Storage Capability. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 459-466	2.2	24
277	Interfacial Design of Dendrite-Free Zinc Anodes for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 13280-13291	3.6	14
276	Interfacial Design of Dendrite-Free Zinc Anodes for Aqueous Zinc-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13180-13191	16.4	256
275	Single particles electrochemistry for batteries. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 872, 113935	4.1	3
274	Voltage-Induced High-Efficient In Situ Presodiation Strategy for Sodium Ion Capacitors. <i>Small Methods</i> , 2020 , 4, 1900763	12.8	49
273	Quinone/ester-based oxygen functional group-incorporated full carbon Li-ion capacitor for enhanced performance. <i>Nanoscale</i> , 2020 , 12, 3677-3685	7.7	45
272	Dendrite-free lithium metal anode with lithiophilic interphase from hierarchical frameworks by tuned nucleation. <i>Energy Storage Materials</i> , 2020 , 27, 124-132	19.4	61
271	Carbon materials for high-performance lithium-ion capacitor. <i>Current Opinion in Electrochemistry</i> , 2020 , 21, 31-39	7.2	32
270	Hollow carbon microbox from acetylacetone as anode material for sodium-ion batteries. <i>Journal of Energy Chemistry</i> , 2020 , 51, 293-302	12	12
269	Ultra-stable Sb confined into N-doped carbon fibers anodes for high-performance potassium-ion batteries. <i>Science Bulletin</i> , 2020 , 65, 1003-1012	10.6	44
268	Electrochemically activated MnO cathodes for high performance aqueous zinc-ion battery. <i>Chemical Engineering Journal</i> , 2020 , 402, 125509	14.7	45
267	Understanding the sodium storage mechanisms of organic electrodes in sodium ion batteries: issues and solutions. <i>Energy and Environmental Science</i> , 2020 , 13, 1568-1592	35.4	71
266	H-Insertion Boosted MnO for an Aqueous Zn-Ion Battery. <i>Small</i> , 2020 , 16, e1905842	11	126
265	Heteroatom-doped carbon inlaid with Sb ₂ X ₃ (X = S, Se) nanodots for high-performance potassium-ion batteries. <i>Chemical Engineering Journal</i> , 2020 , 385, 123838	14.7	85
264	Sustainable recovery of nickel, molybdenum, and vanadium from spent hydroprocessing catalysts by an integrated selective route. <i>Journal of Cleaner Production</i> , 2020 , 252, 119763	10.3	10

263	Advanced MoSe ₂ /Carbon Electrodes in Li/Na-Ions Batteries. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901-1916	6.5	28
262	Chalcopyrite-Derived NaMO (M = Cu, Fe, Mn) Cathode: Tuning Impurities for Self-Doping. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2432-2444	9.5	29
261	Graphitic Carbon Quantum Dots Modified Nickel Cobalt Sulfide as Cathode Materials for Alkaline Aqueous Batteries. <i>Nano-Micro Letters</i> , 2020 , 12, 16	19.5	74
260	Revealing the activation effects of high valence cobalt in CoMoO ₄ towards highly reversible conversion. <i>Nano Energy</i> , 2020 , 68, 104333	17.1	25
259	A P2@Tunnel Heterostructure Cathode for High-Performance Sodium-Ion Batteries. <i>ChemElectroChem</i> , 2020 , 7, 4383-4389	4.3	1
258	Microstructured Sulfur-Doped Carbon-Coated Fe ₇ S ₈ Composite for High-Performance Lithium and Sodium Storage. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 11783-11794	8.3	16
257	Revealing the role of crystal orientation of protective layers for stable zinc anode. <i>Nature Communications</i> , 2020 , 11, 3961	17.4	161
256	Designing interfacial chemical bonds towards advanced metal-based energy-storage/conversion materials. <i>Energy Storage Materials</i> , 2020 , 32, 477-496	19.4	22
255	Simultaneously Regulating the Ion Distribution and Electric Field to Achieve Dendrite-Free Zn Anode. <i>Small</i> , 2020 , 16, e2000929	11	47
254	Recent progress on electrolyte additives for stable lithium metal anode. <i>Energy Storage Materials</i> , 2020 , 32, 306-319	19.4	61
253	Zinc recovery from dilute ammoniacal media using an integrated solvent extraction and electrolysis process. <i>Hydrometallurgy</i> , 2020 , 198, 105510	4	2
252	Advanced Battery-Type Anode Materials for High-Performance Sodium-Ion Capacitors. <i>Small Methods</i> , 2020 , 4, 2000401	12.8	30
251	Advanced Materials Prepared via Metallic Reduction Reactions for Electrochemical Energy Storage. <i>Small Methods</i> , 2020 , 4, 2000613	12.8	9
250	Pseudo-Bonding and Electric-Field Harmony for Li-Rich Mn-Based Oxide Cathode. <i>Advanced Functional Materials</i> , 2020 , 30, 2004302	15.6	70
249	Designing vapor silica-supported sulfur cathode for long-life lithium-sulfur battery. <i>Chemical Engineering Journal</i> , 2020 , 382, 122843	14.7	9
248	Defective synergy of 2D graphitic carbon nanosheets promotes lithium-ion capacitors performance. <i>Energy Storage Materials</i> , 2020 , 24, 304-311	19.4	25
247	Coral-like carbon-wrapped NiCo alloys derived by emulsion aggregation strategy for efficient oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2020 , 573, 96-104	9.3	16
246	Phase-Controllable Cobalt Phosphides Induced through Hydrogel for Higher Lithium Storages. <i>Inorganic Chemistry</i> , 2020 , 59, 6471-6480	5.1	2

245	Carbon nanosheets from biomass waste: insights into the role of a controlled pore structure for energy storage. <i>Sustainable Energy and Fuels</i> , 2020 , 4, 3552-3565	5.8	12
244	Advancements and Challenges in Potassium Ion Batteries: A Comprehensive Review. <i>Advanced Functional Materials</i> , 2020 , 30, 1909486	15.6	287
243	Titelbild: The Three-Dimensional Dendrite-Free Zinc Anode on a Copper Mesh with a Zinc-Oriented Polyacrylamide Electrolyte Additive (Angew. Chem. 44/2019). <i>Angewandte Chemie</i> , 2019 , 131, 15701-15701	3.6	2
242	Chem-Bonding and Phys-Trapping Se Electrode for Long-Life Rechargeable Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1809014	15.6	24
241	The Three-Dimensional Dendrite-Free Zinc Anode on a Copper Mesh with a Zinc-Oriented Polyacrylamide Electrolyte Additive. <i>Angewandte Chemie</i> , 2019 , 131, 15988-15994	3.6	57
240	Composition Engineering Boosts Voltage Windows for Advanced Sodium-Ion Batteries. <i>ACS Nano</i> , 2019 , 13, 10787-10797	16.7	62
239	Natural marmatite with low discharge platform and excellent cyclic stability as potential anode material for lithium-ion batteries. <i>Electrochimica Acta</i> , 2019 , 321, 134676	6.7	7
238	A process for combination of recycling lithium and regenerating graphite from spent lithium-ion battery. <i>Waste Management</i> , 2019 , 85, 529-537	8.6	92
237	Defect-rich and ultrathin N doped carbon nanosheets as advanced trifunctional metal-free electrocatalysts for the ORR, OER and HER. <i>Energy and Environmental Science</i> , 2019 , 12, 322-333	35.4	691
236	Li ₄ Ti ₅ O ₁₂ quantum dot decorated carbon frameworks from carbon dots for fast lithium ion storage. <i>Materials Chemistry Frontiers</i> , 2019 , 3, 1761-1767	7.8	10
235	The Contribution of Heteroatoms in Amide Derivatives with an Identical Structure on Nickel Electrodeposits. <i>Journal of the Electrochemical Society</i> , 2019 , 166, D381-D388	3.9	3
234	Natural stibnite ore (Sb ₂ S ₃) embedded in sulfur-doped carbon sheets: enhanced electrochemical properties as anode for sodium ions storage. <i>RSC Advances</i> , 2019 , 9, 15210-15216	3.7	25
233	A kinetically well-matched full-carbon sodium-ion capacitor. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 13540-13549	13	87
232	Next-Generation Additive Manufacturing: Tailorable Graphene/Poly(lactic acid) Filaments Allow the Fabrication of 3D Printable Porous Anodes for Utilisation within Lithium-ion Batteries. <i>Batteries and Supercaps</i> , 2019 , 2, 399-400	5.6	
231	CuFeS ₂ as an anode material with an enhanced electrochemical performance for lithium-ion batteries fabricated from natural ore chalcopyrite. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 1991-2000	2.6	10
230	BiMoO ₄ Microsphere with Double-Polyaniline Layers toward Ultrastable Lithium Energy Storage by Reinforced Structure. <i>Inorganic Chemistry</i> , 2019 , 58, 6410-6421	5.1	16
229	Comparison of the Ammoniacal Leaching Behavior of Layered Li _{1-x} Ni _x Co _{1-x/3} Mn _{1-x/3} O ₂ (x = 1/3, 0.5, 0.8) Cathode Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 7750-7759	8.3	32
228	Carbon Anode Materials for Sodium-Ion Batteries 2019 , 1-86		

227	Electrochemically Modulated LiNi _{1/3} Mn _{1/3} Co _{1/3} O ₂ Cathodes for Lithium-Ion Batteries. <i>Small Methods</i> , 2019 , 3, 1900065	12.8	17
226	Surface-Driven Energy Storage Behavior of Dual-Heteroatoms Functionalized Carbon Material. <i>Advanced Functional Materials</i> , 2019 , 29, 1900941	15.6	47
225	Honeycomb hard carbon derived from carbon quantum dots as anode material for K-ion batteries. <i>Materials Chemistry and Physics</i> , 2019 , 229, 303-309	4.4	60
224	Natural chalcopyrite as a sulfur source and its electrochemical performance for lithium-sulfur batteries. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 1217-1227	6.8	5
223	General Synthesis of Heteroatom-Doped Hierarchical Carbon toward Excellent Electrochemical Energy Storage. <i>Batteries and Supercaps</i> , 2019 , 2, 712-722	5.6	19
222	The bond evolution mechanism of covalent sulfurized carbon during electrochemical sodium storage process. <i>Science China Materials</i> , 2019 , 62, 1127-1138	7.1	44
221	Next-Generation Additive Manufacturing: Tailorable Graphene/Poly(lactic acid) Filaments Allow the Fabrication of 3D Printable Porous Anodes for Utilisation within Lithium-Ion Batteries. <i>Batteries and Supercaps</i> , 2019 , 2, 448-453	5.6	31
220	Rod-Like Sb ₂ MoO ₆ : Structure Evolution and Sodium Storage for Sodium-Ion Batteries. <i>Small Methods</i> , 2019 , 3, 1800533	12.8	18
219	Single Particle Electrochemistry of Collision. <i>Small</i> , 2019 , 15, e1804908	11	18
218	The advance of nickel-cobalt-sulfide as ultra-fast/high sodium storage materials: The influences of morphology structure, phase evolution and interface property. <i>Energy Storage Materials</i> , 2019 , 16, 267-280	19.4	83
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201	Ultrafast Sodium Full Batteries Derived from X?Fe (X = Co, Ni, Mn) Prussian Blue Analogs. <i>Advanced Materials</i> , 2019 , 31, e1806092	24	90
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