

Shu-Lei Chou

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.

369 papers	22,448 citations	80 h-index	134 g-index
403 ext. papers	27,612 ext. citations	11.9 avg, IF	7.54 L-index

#	Paper	IF	Citations
369	Recent advances in heterostructured cathodic electrocatalysts for non-aqueous Li-O batteries.. <i>Chemical Science</i> , 2022 , 13, 2841-2856	9.4	0
368	Electrolytes/Interphases: Enabling Distinguishable Sulfur Redox Processes in Room-Temperature Sodium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2022 , 12, 2103304	21.8	9
367	Ice-Assisted Synthesis of Highly Crystallized Prussian Blue Analogues for All-Climate and Long-Calendar-Life Sodium Ion Batteries.. <i>Nano Letters</i> , 2022 ,	11.5	6
366	A High Conductivity One-Dimensional Ed Conjugated Metal-Organic Framework with Efficient Polysulfide Trapping-Diffusion-Catalysis in Lithium-Sulfur Batteries.. <i>Advanced Materials</i> , 2022 , e2108835	24	12
365	Regulation of morphology evolution and Mn dissolution for ultra-long cycled spinel LiMn2O4 cathode materials by B-doping. <i>Journal of Power Sources</i> , 2022 , 524, 231073	8.9	3
364	Polyoxometalate Ionic Sponge Enabled Dendrite-Free and Highly Stable Lithium Metal Anode.. <i>Small Methods</i> , 2022 , e2101613	12.8	1
363	Recent progress on three-dimensional nanoarchitecture anode materials for lithium/sodium storage. <i>Journal of Materials Science and Technology</i> , 2022 , 119, 167-181	9.1	2
362	Toward high-performance lithium-oxygen batteries with cobalt-based transition metal oxide catalysts: Advanced strategies and mechanical insights. <i>Information Materials</i> , 2022 , 4,	23.1	3
361	High-Voltage, Highly Reversible Sodium Batteries Enabled by Fluorine-Rich Electrode/Electrolyte Interphases.. <i>Small Methods</i> , 2022 , e2200209	12.8	0
360	Architecting Braided Porous Carbon Fibers Based on High-Density Catalytic Crystal Planes to Achieve Highly Reversible Sodium-Ion Storage.. <i>Advanced Science</i> , 2022 , e2104780	13.6	2
359	Vanadium-based cathodes for aqueous zinc-ion batteries: Mechanism, design strategies and challenges. <i>Energy Storage Materials</i> , 2022 , 50, 21-46	19.4	6
358	Hard carbon derived from hazelnut shell with facile HCl treatment as high-initial-coulombic-efficiency anode for sodium ion batteries. <i>Sustainable Materials and Technologies</i> , 2022 , e00446	5.3	0
357	Continuous Carbon Channels Enable Full Na-ion Accessibility for Superior Room-temperature Na-S Batteries. <i>Advanced Materials</i> , 2021 , e2108363	24	10
356	Prussian blue analogues for sodium-ion batteries: past, present and future.. <i>Advanced Materials</i> , 2021 , e2108384	24	19
355	Dynamic structural evolution and controllable redox potential for abnormal high-voltage sodium layered oxide cathodes. <i>Cell Reports Physical Science</i> , 2021 , 100631	6.1	2
354	Novel Li VO Nanostructures Grown in Highly Efficient Microwave Irradiation Strategy and Their In-Situ Lithium Storage Mechanism. <i>Advanced Science</i> , 2021 , e2103493	13.6	4
353	Alkali and alkaline-earth metal ion-solvent co-intercalation reactions in nonaqueous rechargeable batteries.. <i>Chemical Science</i> , 2021 , 12, 15206-15218	9.4	1

352	Binders for sodium-ion batteries: progress, challenges and strategies. <i>Chemical Communications</i> , 2021 , 57, 12406-12416	5.8	5
351	The modulation of the discharge plateau of benzoquinone for sodium-ion batteries. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021 , 28, 1675-1683	3.1	5
350	Spinel/Post-spinel engineering on layered oxide cathodes for sodium-ion batteries. <i>EScience</i> , 2021 ,		36
349	Low-Cost Polyanion-Type Sulfate Cathode for Sodium-Ion Battery. <i>Advanced Energy Materials</i> , 2021 , 11, 2101751	21.8	7
348	Activating Inert Surface Pt Single Atoms via Subsurface Doping for Oxygen Reduction Reaction. <i>Nano Letters</i> , 2021 , 21, 7970-7978	11.5	4
347	Conductive CuCo-Based Bimetal Organic Framework for Efficient Hydrogen Evolution. <i>Advanced Materials</i> , 2021 , 33, e2106781	24	21
346	MnCo S-CoS Heterostructure Nanotubes as High Efficiency Cathode Catalysts for Stable and Long-Life Lithium-Oxygen Batteries Under High Current Conditions. <i>Advanced Science</i> , 2021 , 8, e2103302	13.6	7
345	Processing Rusty Metals into Versatile Prussian Blue for Sustainable Energy Storage. <i>Advanced Energy Materials</i> , 2021 , 11, 2102356	21.8	9
344	Activating a Multielectron Reaction of NASICON-Structured Cathodes toward High Energy Density for Sodium-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2021 , 143, 18091-18102	16.4	20
343	Fire-Retardant, Stable-Cycling and High-Safety Sodium Ion Battery. <i>Angewandte Chemie</i> , 2021 , 133, 2729326	3.6	0
342	Fire-Retardant, Stable-Cycling and High-Safety Sodium Ion Battery. <i>Angewandte Chemie - International Edition</i> , 2021 ,	16.4	11
341	The Dual Functions of Defect-Rich Carbon Nanotubes as Both Conductive Matrix and Efficient Mediator for Li/S Batteries. <i>Small</i> , 2021 , 17, e2103535	11	2
340	Ultra-High Initial Coulombic Efficiency Induced by Interface Engineering Enables Rapid, Stable Sodium Storage. <i>Angewandte Chemie</i> , 2021 , 133, 11582-11587	3.6	5
339	Non-Noble Metal-Based Catalysts Applied to Hydrogen Evolution from Hydrolysis of Boron Hydrides. <i>Small Structures</i> , 2021 , 2, 2000135	8.7	6
338	Carbonaceous Hosts for Sulfur Cathode in Alkali-Metal/S (Alkali Metal = Lithium, Sodium, Potassium) Batteries. <i>Small</i> , 2021 , 17, e2006504	11	6
337	Architecting Amorphous Vanadium Oxide/MXene Nanohybrid via Tunable Anodic Oxidation for High-Performance Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2100757	21.8	41
336	Atomic Cobalt Vacancy-Cluster Enabling Optimized Electronic Structure for Efficient Water Splitting. <i>Advanced Functional Materials</i> , 2021 , 31, 2101797	15.6	13
335	Enhancing the understanding of the redox properties of lithium-inserted anthraquinone derivatives by regulating molecular structure. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 887, 115172	4.1	2

- 334 Ultra-High Initial Coulombic Efficiency Induced by Interface Engineering Enables Rapid, Stable Sodium Storage. *Angewandte Chemie - International Edition*, **2021**, 60, 11481-11486 16.4 51
- 333 Facile Synthesis of Birnessite EMnO and Carbon Nanotube Composites as Effective Catalysts for Li-CO Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 16585-16593 9.5 11
- 332 A Low-Strain Potassium-Rich Prussian Blue Analogue Cathode for High Power Potassium-Ion Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 13050-13056 16.4 35
- 331 A Low-Strain Potassium-Rich Prussian Blue Analogue Cathode for High Power Potassium-Ion Batteries. *Angewandte Chemie*, **2021**, 133, 13160-13166 3.6 3
- 330 Hierarchical TiCT MXene/Carbon Nanotubes for Low Overpotential and Long-Life Li-CO Batteries. *ACS Nano*, **2021**, 15, 8407-8417 16.7 17
- 329 Understanding Sulfur Redox Mechanisms in Different Electrolytes for Room-Temperature Na-S Batteries. *Nano-Micro Letters*, **2021**, 13, 121 19.5 11
- 328 Fluorine/Nitrogen Co-Doped Porous Carbons Derived from Covalent Triazine Frameworks for High-Performance Supercapacitors. *ACS Applied Energy Materials*, **2021**, 4, 4519-4529 6.1 5
- 327 Architecting Freestanding Sulfur Cathodes for Superior Room-Temperature NaS Batteries. *Advanced Functional Materials*, **2021**, 31, 2102280 15.6 13
- 326 In Situ Lattice Tunnel Distortion of Vanadium Trioxide for Enhancing Zinc Ion Storage. *Advanced Energy Materials*, **2021**, 11, 2100973 21.8 21
- 325 Understanding the Effects of the Low-Concentration Electrolyte on the Performance of High-Energy-Density Li-S Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 28405-28414 9.5 4
- 324 A P3-Type KMnMgNiO Cathode Material for Potassium-Ion Batteries with High Structural Reversibility Secured by the Mg-Ni Pinning Effect. *ACS Applied Materials & Interfaces*, **2021**, 13, 28369-28377 8.5 8
- 323 Recent Progress on Two-Dimensional Carbon Materials for Emerging Post-Lithium (Na, K, Zn) Hybrid Supercapacitors. *Polymers*, **2021**, 13, 4.5 7
- 322 Bifunctional carbon-based cathode catalysts for zinc-air battery: A review. *Chinese Chemical Letters*, **2021**, 33, 683-683 8.1 1
- 321 Research progress of flexible sodium-ion batteries derived from renewable polymer materials. *Electrochemistry Communications*, **2021**, 128, 107067 5.1 3
- 320 Epitaxial Nickel Ferrocyanide Stabilizes Jahn-Teller Distortions of Manganese Ferrocyanide for Sodium-Ion Batteries. *Angewandte Chemie*, **2021**, 133, 18667-18674 3.6 3
- 319 Effects of carbon on electrochemical performance of red phosphorus (P) and carbon composite as anode for sodium ion batteries. *Journal of Materials Science and Technology*, **2021**, 68, 140-146 9.1 10
- 318 Bifunctional Effects of Cation Additive on Na-O₂ Batteries. *Angewandte Chemie*, **2021**, 133, 3242-3248 3.6 4
- 317 Bifunctional Effects of Cation Additive on Na-O Batteries. *Angewandte Chemie - International Edition*, **2021**, 60, 3205-3211 16.4 11

316	Efficient separators with fast Li-ion transfer and high polysulfide entrapment for superior lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2021 , 408, 127348	14.7	11
315	Rechargeable Sodium-Based Hybrid Metal-Ion Batteries toward Advanced Energy Storage. <i>Advanced Functional Materials</i> , 2021 , 31, 2006457	15.6	15
314	Hard Carbon Anodes: Fundamental Understanding and Commercial Perspectives for Na-Ion Batteries beyond Li-Ion and K-Ion Counterparts. <i>Advanced Energy Materials</i> , 2021 , 11, 2002704	21.8	88
313	In-Situ Electrochemically Activated Surface Vanadium Valence in V2C MXene to Achieve High Capacity and Superior Rate Performance for Zn-Ion Batteries. <i>Advanced Functional Materials</i> , 2021 , 31, 2008033	15.6	49
312	Sustainable S cathodes with synergic electrocatalysis for room-temperature NaS batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 566-574	13	19
311	Polymer electrolytes for sodium-ion batteries. <i>Energy Storage Materials</i> , 2021 , 36, 10-30	19.4	21
310	Sodium transition metal oxides: the preferred cathode choice for future sodium-ion batteries?. <i>Energy and Environmental Science</i> , 2021 , 14, 158-179	35.4	73
309	Critical Advances in Ambient Air Operation of Nonaqueous Rechargeable Li-Air Batteries. <i>Small</i> , 2021 , 17, e1903854	11	18
308	Li S-Based Li-Ion Sulfur Batteries: Progress and Prospects. <i>Small</i> , 2021 , 17, e1903934	11	16
307	Surface and Interface Engineering: Molybdenum Carbide-Based Nanomaterials for Electrochemical Energy Conversion. <i>Small</i> , 2021 , 17, e1903380	11	38
306	Recent Progress on Layered Cathode Materials for Nonaqueous Rechargeable Magnesium Batteries. <i>Small</i> , 2021 , 17, e1902767	11	32
305	Recent Progress on the Alloy-Based Anode for Sodium-Ion Batteries and Potassium-Ion Batteries. <i>Small</i> , 2021 , 17, e1903194	11	140
304	Cobalt Chalcogenides/Cobalt Phosphides/Cobaltates with Hierarchical Nanostructures for Anode Materials of Lithium-Ion Batteries: Improving the Lithiation Environment. <i>Small</i> , 2021 , 17, e1903418	11	9
303	Two-Dimensional Material-Based Heterostructures for Rechargeable Batteries. <i>Cell Reports Physical Science</i> , 2021 , 2, 100286	6.1	12
302	Defect-free-induced Na ⁺ disordering in electrode materials. <i>Energy and Environmental Science</i> , 2021 , 14, 3130-3140	35.4	24
301	Materials engineering for adsorption and catalysis in room-temperature NaS batteries. <i>Energy and Environmental Science</i> , 2021 , 14, 3757-3795	35.4	20
300	CuP2 as high-capacity and long-cycle-life anode for potassium-ion batteries. <i>Journal of Energy Chemistry</i> , 2021 , 63, 246-246	12	3
299	Manipulating metal-sulfur interactions for achieving high-performance S cathodes for room temperature Li/Na-sulfur batteries 2021 , 3, 253-270		7

298	Tunable Electrocatalytic Behavior of Sodiated MoS Active Sites toward Efficient Sulfur Redox Reactions in Room-Temperature Na-S Batteries. <i>Advanced Materials</i> , 2021 , 33, e2100229	24	23
297	Epitaxial Nickel Ferrocyanide Stabilizes Jahn-Teller Distortions of Manganese Ferrocyanide for Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18519-18526	16.4	14
296	Chaotropic Anion and Fast-Kinetics Cathode Enabling Low-Temperature Aqueous Zn Batteries. <i>ACS Energy Letters</i> , 2021 , 6, 2704-2712	20.1	44
295	Recent Progress on Intercalation-Based Anode Materials for Low-Cost Sodium-Ion Batteries. <i>ChemSusChem</i> , 2021 , 14, 3724-3743	8.3	4
294	Electrochemical release of catalysts in nanoreactors for solid sulfur redox reactions in room-temperature sodium-sulfur batteries. <i>Cell Reports Physical Science</i> , 2021 , 2, 100539	6.1	9
293	NbSe ₂ Meets C ₂ N: A 2D-2D Heterostructure Catalysts as Multifunctional Polysulfide Mediator in Ultra-Long-Life Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2021 , 11, 2101250	21.8	18
292	Atomically dispersed S-Fe-N ₄ for fast kinetics sodium-sulfur batteries via a dual function mechanism. <i>Cell Reports Physical Science</i> , 2021 , 2, 100531	6.1	9
291	Soft-Carbon-Coated, Free-Standing, Low-Defect, Hard-Carbon Anode To Achieve a 94% Initial Coulombic Efficiency for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44358-44368	25.5	7
290	Key Factors for Binders to Enhance the Electrochemical Performance of Silicon Anodes through Molecular Design. <i>Small</i> , 2021 , e2101680	11	7
289	Quinone-Based Conducting Three-Dimensional Metal-Organic Framework as a Cathode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 20814-20820	3.8	5
288	Structural insights into the dynamic and controlled multiphase evolution of layered-spinel heterostructured sodium oxide cathode. <i>Cell Reports Physical Science</i> , 2021 , 2, 100547	6.1	6
287	Dual carbon-hosted Co-N ₃ enabling unusual reaction pathway for efficient oxygen reduction reaction. <i>Applied Catalysis B: Environmental</i> , 2021 , 297, 120390	21.8	13
286	Copper phosphide as a promising anode material for potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8378-8385	13	4
285	Developing better ester- and ether-based electrolytes for potassium-ion batteries. <i>Chemical Science</i> , 2021 , 12, 2345-2356	9.4	15
284	Electrochemical energy storage devices working in extreme conditions. <i>Energy and Environmental Science</i> , 2021 , 14, 3323-3351	35.4	51
283	Strategies for boosting carbon electrocatalysts for the oxygen reduction reaction in non-aqueous metal-air battery systems. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 6671-6693	13	15
282	Regulation of Morphology and Electronic Structure of FeCoNi Layered Double Hydroxides for Highly Active and Stable Water Oxidization Catalysts. <i>Advanced Energy Materials</i> , 2021 , 11, 2102141	21.8	13
281	Tailoring the structure of silicon-based materials for lithium-ion batteries via electrospinning technology. <i>EScience</i> , 2021 , 1, 141-162		18

280	Single-atom Ru anchored in nitrogen-doped MXene (Ti ₃ C ₂ T _x) as an efficient catalyst for the hydrogen evolution reaction at all pH values. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 24710-24717	13	42
279	SodiumSulfur Batteries: Remedies for Polysulfide Dissolution in Room-Temperature SodiumSulfur Batteries (Adv. Mater. 18/2020). <i>Advanced Materials</i> , 2020 , 32, 2070145	24	2
278	Conductive Boron Nitride as Promising Catalyst Support for the Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , 2020 , 10, 1902521	21.8	12
277	Identifying Dense NiSe /CoSe Heterointerfaces Coupled with Surface High-Valence Bimetallic Sites for Synergistically Enhanced Oxygen Electrocatalysis. <i>Advanced Materials</i> , 2020 , 32, e2000607	24	143
276	Boosting up the Li-CO ₂ Battery by the Ultrathin RuRh Nanosheet. <i>Matter</i> , 2020 , 2, 1356-1358	12.7	1
275	Nanostructured CoS ₂ -Decorated Hollow Carbon Spheres: A Performance Booster for Li-Ion/Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2020 , 3, 6447-6459	6.1	10
274	Layered mesoporous CoO/reduced graphene oxide with strong interfacial coupling as a high-performance anode for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 843, 156050	5.7	20
273	Ultrathin 2D Mesoporous TiO ₂ /rGO Heterostructure for High-Performance Lithium Storage. <i>Small</i> , 2020 , 16, e2000030	11	19
272	A Cation and Anion Dual Doping Strategy for the Elevation of Titanium Redox Potential for High-Power Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 12174-12181	3.6	8
271	A Heterostructure Coupling of Bioinspired, Adhesive Polydopamine, and Porous Prussian Blue Nanocubics as Cathode for High-Performance Sodium-Ion Battery. <i>Small</i> , 2020 , 16, e1906946	11	23
270	The Cathode Choice for Commercialization of Sodium-Ion Batteries: Layered Transition Metal Oxides versus Prussian Blue Analogs. <i>Advanced Functional Materials</i> , 2020 , 30, 1909530	15.6	122
269	Reversible structural evolution of sodium-rich rhombohedral Prussian blue for sodium-ion batteries. <i>Nature Communications</i> , 2020 , 11, 980	17.4	112
268	Manipulating Layered P2@P3 Integrated Spinel Structure Evolution for High-Performance Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 9385-9390	3.6	21
267	Manipulating Layered P2@P3 Integrated Spinel Structure Evolution for High-Performance Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 9299-9304	16.4	43
266	Hierarchically Porous MoS ₂ -Carbon Hollow Rhomboids for Superior Performance of the Anode of Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 10402-10409	9.5	21
265	A High-Kinetics Sulfur Cathode with a Highly Efficient Mechanism for Superior Room-Temperature Na-S Batteries. <i>Advanced Materials</i> , 2020 , 32, e1906700	24	79
264	ZincAir Batteries: Cobalt-Encapsulated Nitrogen-Doped Carbon Nanotube Arrays for Flexible ZincAir Batteries (Small Methods 1/2020). <i>Small Methods</i> , 2020 , 4, 2070004	12.8	1
263	S/N-doped carbon nanofibers affording Fe ₇ S ₈ particles with superior sodium storage. <i>Journal of Power Sources</i> , 2020 , 451, 227790	8.9	23

262	Self-assembling RuO nanogranulates with few carbon layers as an interconnected nanoporous structure for lithium-oxygen batteries. <i>Chemical Communications</i> , 2020 , 56, 7253-7256	5.8	4
261	Manipulating Molecular Structure and Morphology to Invoke High-Performance Sodium Storage of Copper Phosphide. <i>Advanced Energy Materials</i> , 2020 , 10, 1903542	21.8	22
260	A Cation and Anion Dual Doping Strategy for the Elevation of Titanium Redox Potential for High-Power Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12076-12083	16.4	53
259	Three-Dimensional Electronic Network Assisted by TiN Conductive Pillars and Chemical Adsorption to Boost the Electrochemical Performance of Red Phosphorus. <i>ACS Nano</i> , 2020 , 14, 4609-4617	16.7	20
258	Vitalization of P2Na2/3Ni1/3Mn2/3O2 at high-voltage cyclability via combined structural modulation for sodium-ion batteries. <i>Energy Storage Materials</i> , 2020 , 29, 182-189	19.4	28
257	Recent progress on understanding and constructing reliable Na anode for aprotic Na-O2 batteries: A mini review. <i>Electrochemistry Communications</i> , 2020 , 118, 106797	5.1	8
256	Understanding rhombohedral iron hexacyanoferrate with three different sodium positions for high power and long stability sodium-ion battery. <i>Energy Storage Materials</i> , 2020 , 30, 42-51	19.4	27
255	Electrocatalyzing S Cathodes Multisulfiphilic Sites for Superior Room-Temperature Sodium-Sulfur Batteries. <i>ACS Nano</i> , 2020 , 14, 7259-7268	16.7	61
254	Cobalt-Encapsulated Nitrogen-Doped Carbon Nanotube Arrays for Flexible Zinc-Air Batteries. <i>Small Methods</i> , 2020 , 4, 1900571	12.8	59
253	Manipulating 2D Few-Layer Metal Sulfides as Anode Towards Enhanced Sodium-Ion Batteries. <i>Batteries and Supercaps</i> , 2020 , 3, 236-253	5.6	12
252	Development and Investigation of a NASICON-Type High-Voltage Cathode Material for High-Power Sodium-Ion Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 2470-2477	3.6	15
251	Development and Investigation of a NASICON-Type High-Voltage Cathode Material for High-Power Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 2449-2456	16.4	60
250	The application of hollow micro-/nanostructured cathodes for sodium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 1289-1303	7.8	21
249	Emerging polyanionic and organic compounds for high energy density, non-aqueous potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16061-16080	13	22
248	Facile Synthesis of Hierarchical Hollow CoP@C Composites with Superior Performance for Sodium and Potassium Storage. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5159-5164	16.4	98
247	Facile Synthesis of Hierarchical Hollow CoP@C Composites with Superior Performance for Sodium and Potassium Storage. <i>Angewandte Chemie</i> , 2020 , 132, 5197-5202	3.6	8
246	Stress Distortion Restraint to Boost the Sodium Ion Storage Performance of a Novel Binary Hexacyanoferrate. <i>Advanced Energy Materials</i> , 2020 , 10, 1903006	21.8	34
245	Designing Advanced Vanadium-Based Materials to Achieve Electrochemically Active Multielectron Reactions in Sodium/Potassium-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2002244	21.8	40

244	A Metal-Polymer Hybrid Biomimetic System for use in the Chemodynamic-Enhanced Photothermal Therapy of Cancers. <i>Small</i> , 2020 , 16, e2004161	11	24
243	General Synthesis of Single-Atom Catalysts for Hydrogen Evolution Reactions and Room-Temperature Na-S Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 22171-22178	16.4	38
242	Multiregion Janus-Featured Cobalt Phosphide-Cobalt Composite for Highly Reversible Room-Temperature Sodium-Sulfur Batteries. <i>ACS Nano</i> , 2020 , 14, 10284-10293	16.7	44
241	Electron Delocalization and Dissolution-Restraint in Vanadium Oxide Superlattices to Boost Electrochemical Performance of Aqueous Zinc-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 2001852	21.8	40
240	High-yielding carbon nanofibers grown on NIPS-derived porous nickel as a flexible electrode for supercapacitors. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 2976-2981	7.8	9
239	Confining Ultrathin 2D Superlattices in Mesoporous Hollow Spheres Renders Ultrafast and High-Capacity Na-Ion Storage. <i>Advanced Energy Materials</i> , 2020 , 10, 2001033	21.8	12
238	General Synthesis of Single-Atom Catalysts for Hydrogen Evolution Reactions and Room-Temperature Na-S Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 22355-22362	3.6	11
237	Multifunctionalities of Graphene for Exploiting a Facile Conversion Reaction Route of Perovskite CoSnO for Highly Reversible Na Ion Storage. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7988-7995	6.4	4
236	Tailoring MXene-Based Materials for Sodium-Ion Storage: Synthesis, Mechanisms, and Applications. <i>Electrochemical Energy Reviews</i> , 2020 , 3, 766-792	29.3	41
235	Synthesis Strategies and Structural Design of Porous Carbon-Incorporated Anodes for Sodium-Ion Batteries. <i>Small Methods</i> , 2020 , 4, 1900163	12.8	30
234	Remedies for Polysulfide Dissolution in Room-Temperature Sodium-Sulfur Batteries. <i>Advanced Materials</i> , 2020 , 32, e1903952	24	56
233	Understanding High-Rate K ⁺ -Solvent Co-Intercalation in Natural Graphite for Potassium-Ion Batteries. <i>Angewandte Chemie</i> , 2020 , 132, 13017-13024	3.6	22
232	Understanding High-Rate K ⁺ -Solvent Co-Intercalation in Natural Graphite for Potassium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 12917-12924	16.4	52
231	Full Activation of Mn ²⁺ /Mn Redox in Na MnCr(PO ₃) ₂ as a High-Voltage and High-Rate Cathode Material for Sodium-Ion Batteries. <i>Small</i> , 2020 , 16, e2001524	11	39
230	Nickel sulfide nanocrystals on nitrogen-doped porous carbon nanotubes with high-efficiency electrocatalysis for room-temperature sodium-sulfur batteries. <i>Nature Communications</i> , 2019 , 10, 4793	17.4	84
229	Ultrathin 2D TiS ₂ Nanosheets for High Capacity and Long-Life Sodium Ion Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1803210	21.8	70
228	Phosphorus-Modulation-Triggered Surface Disorder in Titanium Dioxide Nanocrystals Enables Exceptional Sodium-Storage Performance. <i>Angewandte Chemie</i> , 2019 , 131, 4062-4066	3.6	8
227	Phosphorus-Modulation-Triggered Surface Disorder in Titanium Dioxide Nanocrystals Enables Exceptional Sodium-Storage Performance. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4022-4026	16.4	44

226	Understanding Challenges of Cathode Materials for Sodium-Ion Batteries using Synchrotron-Based X-Ray Absorption Spectroscopy. <i>Batteries and Supercaps</i> , 2019 , 2, 842-851	5.6	14
225	Alloy Anodes for Rechargeable Alkali-Metal Batteries: Progress and Challenge 2019 , 1, 217-229		85
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215	Chemical Properties, Structural Properties, and Energy Storage Applications of Prussian Blue Analogues. <i>Small</i> , 2019 , 15, e1900470	11	127
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211	Recent Progress of Layered Transition Metal Oxide Cathodes for Sodium-Ion Batteries. <i>Small</i> , 2019 , 15, e1805381	11	154
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209	Fabrication of Superior Single-Atom Catalysts toward Diverse Electrochemical Reactions. <i>Small Methods</i> , 2019 , 3, 1800497	12.8	68

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