Xijun Xu

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.

62 papers	2,272 citations	26 h-index	47 g-index
70 ext. papers	3,145 ext. citations	9.3 avg, IF	5.48 L-index

#	Paper	IF	Citations
62	In-Situ Synthesis of Carbon-Encapsulated Atomic Cobalt as Highly Efficient Polysulfide Electrocatalysts for Highly Stable Lithium-Sulfur Batteries.. *Small*, **2022**, e2106640	11	6
61	Pomegranate-like structured NbO/Carbon@N-doped carbon composites as ultrastable anode for advanced sodium/potassium-ion batteries.. *Journal of Colloid and Interface Science*, **2022**, 613, 84-93	9.3	2
60	Advances in the Development of Single-Atom Catalysts for High-Energy-Density Lithium-Sulfur Batteries.. *Advanced Materials*, **2022**, e2200102	24	13
59	Self-Sacrifice Template Construction of Uniform Yolk-Shell ZnS@C for Superior Alkali-Ion Storage.. *Advanced Science*, **2022**, e2200247	13.6	3
58	SnSex (x = 1, 2) Nanoparticles Encapsulated in Carbon Nanospheres with reversible electrochemical behaviors for lithium-ion half/full cells. *Chemical Engineering Journal*, **2021**, 431, 133463	14.7	1
57	Scalable synthesis of Li2GeO3/expanded graphite as a high-performance anode for Li-ion batteries. *Journal of Alloys and Compounds*, **2021**, 898, 162893	5.7	1
56	Challenges and Development of Composite Solid Electrolytes for All-solid-state Lithium Batteries. *Chemical Research in Chinese Universities*, **2021**, 37, 210-231	2.2	4
55	Unraveling the Catalytic Activity of Fe‐Based Compounds toward Li2Sx in Li‐S Chemical System from d‐p Bands. *Advanced Energy Materials*, **2021**, 11, 2100673	21.8	29
54	Direct Detection and Visualization of the H Reaction Process in a VO Cathode for Aqueous Zinc-Ion Batteries. *Journal of Physical Chemistry Letters*, **2021**, 12, 7076-7084	6.4	1
53	A nanorod-like Ni-rich layered cathode with enhanced Li+ diffusion pathways for high-performance lithium-ion batteries. *Journal of Materials Chemistry A*, **2021**, 9, 2830-2839	13	26
52	Cathodes for Aqueous Zn-Ion Batteries: Materials, Mechanisms, and Kinetics. *Chemistry - A European Journal*, **2021**, 27, 830-860	4.8	31
51	Facile Synthesis of Yolk‐Shell Bi@C Nanospheres with Superior Li-ion Storage Performances. *Acta Metallurgica Sinica (English Letters)*, **2021**, 34, 347-353	2.5	1
50	Challenges and strategies of zinc anode for aqueous zinc-ion batteries. *Materials Chemistry Frontiers*, **2021**, 5, 2201-2217	7.8	7
49	Freestanding Sodium Vanadate/Carbon Nanotube Composite Cathodes with Excellent Structural Stability and High Rate Capability for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 816-826	9.5	8
48	The Electrolyte Additive Effects on Commercialized Ni-Rich LiNixCoyMnzO2 (x + y + z = 1) Based Lithium-Ion Pouch Batteries at High Temperature. *ACS Applied Energy Materials*, **2021**, 4, 2292-2299	6.1	1
47	Ultrafine ZnS Nanoparticles in the Nitrogen-Doped Carbon Matrix for Long-Life and High-Stable Potassium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2021**, 13, 11007-11017	9.5	12
46	Surface/Interface Structure and Chemistry of Lithium‐Sulfur Batteries: From Density Functional Theory Calculations‐Perspective. *Advanced Energy and Sustainability Research*, **2021**, 2, 2100007	1.6	9

45	Li Batteries: Unraveling the Catalytic Activity of Fe Based Compounds toward Li2Sx in Li Chemical System from d Bands (Adv. Energy Mater. 26/2021). *Advanced Energy Materials*, **2021**, 11, 2170101	21.8	1
44	Multifunctional Metal Phosphides as Superior Host Materials for Advanced Lithium-Sulfur Batteries. *Chemistry - A European Journal*, **2021**, 27, 13494-13512	4.8	5
43	Interface engineering for composite cathodes in sulfide-based all-solid-state lithium batteries. *Journal of Energy Chemistry*, **2021**, 60, 32-60	12	18
42	Ni-Rich Layered Oxide with Preferred Orientation (110) Plane as a Stable Cathode Material for High-Energy Lithium-Ion Batteries. *Nanomaterials*, **2020**, 10,	5.4	7
41	Scalable One-Pot Synthesis of Hierarchical Bi@C Bulk with Superior Lithium-Ion Storage Performances. *ACS Applied Materials & Interfaces*, **2020**, 12, 51478-51487	9.5	9
40	SnS2/g-C3N4/graphite nanocomposites as durable lithium-ion battery anode with high pseudocapacitance contribution. *Electrochimica Acta*, **2020**, 349, 136369	6.7	11
39	Facile plasma treated MnO2@C hybrids for durable cycling cathodes in aqueous Zn-ion batteries. *Journal of Alloys and Compounds*, **2020**, 827, 154273	5.7	27
38	Recent Progress of P2-Type Layered Transition-Metal Oxide Cathodes for Sodium-Ion Batteries. *Chemistry - A European Journal*, **2020**, 26, 7747-7766	4.8	35
37	B,N Codoped Graphitic Nanotubes Loaded with Co Nanoparticles as Superior Sulfur Host for Advanced Li-S Batteries. *Small*, **2020**, 16, e1906634	11	32
36	Self-sacrificial template-directed ZnSe@C as high performance anode for potassium-ion batteries. *Chemical Engineering Journal*, **2020**, 387, 124061	14.7	31
35	Recent Progress in Organic-Inorganic Composite Solid Electrolytes for All-Solid-State Lithium Batteries. *Chemistry - A European Journal*, **2020**, 26, 1720-1736	4.8	54
34	Monodisperse CoSn and NiSn Nanoparticles Supported on Commercial Carbon as Anode for Lithium- and Potassium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 4414-4422	9.5	24
33	Recent progress of flexible sulfur cathode based on carbon host for lithium-sulfur batteries. *Journal of Materials Science and Technology*, **2020**, 55, 56-72	9.1	29
32	Hollow spheres of Mo2C@C as synergistically confining sulfur host for superior Li battery cathode. *Electrochimica Acta*, **2020**, 332, 135482	6.7	20
31	MnO Stabilized in Carbon-Veiled Multivariate Manganese Oxides as High-Performance Cathode Material for Aqueous Zn-Ion Batteries. *Energy and Environmental Materials*, **2020**,	13	11
30	Fe O @C Nanotubes Grown on Carbon Fabric as a Free-Standing Anode for High-Performance Li-Ion Batteries. *Chemistry - A European Journal*, **2020**, 26, 14708-14714	4.8	9
29	A flexible composite solid electrolyte with a highly stable interphase for dendrite-free and durable all-solid-state lithium metal batteries. *Journal of Materials Chemistry A*, **2020**, 8, 18043-18054	13	38
28	A Scalable Approach to Na2FeP2O7@Carbon/Expanded Graphite as a Low-Cost and High-Performance Cathode for Sodium-Ion Batteries. *ChemElectroChem*, **2020**, 7, 3874-3882	4.3	11

27	Solvent-Free Method Prepared a Sandwich-like Nanofibrous Membrane-Reinforced Polymer Electrolyte for High-Performance All-Solid-State Lithium Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 21586-21595	9.5	24
26	Co-Sn Nanocrystalline Solid Solutions as Anode Materials in Lithium-Ion Batteries with High Pseudocapacitive Contribution. *ChemSusChem*, **2019**, 12, 1451-1458	8.3	25
25	Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium-Sulfur Batteries. *Advanced Materials*, **2019**, 31, e1902228	24	149
24	Facile Synthesis of Peapod-Like Cu Ge/Ge@C as a High-Capacity and Long-Life Anode for Li-Ion Batteries. *Chemistry - A European Journal*, **2019**, 25, 11486-11493	4.8	11
23	Facile synthesis of three-dimensional porous interconnected carbon matrix embedded with Sb nanoparticles as superior anode for Na-ion batteries. *Chemical Engineering Journal*, **2019**, 374, 502-510	14.7	27
22	Robust spindle-structured FeP@C for high-performance alkali-ion batteries anode. *Electrochimica Acta*, **2019**, 312, 224-233	6.7	37
21	Compositionally tuned NixSn alloys as anode materials for lithium-ion and sodium-ion batteries with a high pseudocapacitive contribution. *Electrochimica Acta*, **2019**, 304, 246-254	6.7	35
20	Lithium□Sulfur Batteries: Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium□Sulfur Batteries (Adv. Mater. 33/2019). *Advanced Materials*, **2019**, 31, 1970236	24	8
19	Mechanistic Understanding of Metal Phosphide Host for Sulfur Cathode in High-Energy-Density Lithium-Sulfur Batteries. *ACS Nano*, **2019**, 13, 8986-8996	16.7	129
18	Rational synthesis of ternary FeS@TiO2@C nanotubes as anode for superior Na-ion batteries. *Chemical Engineering Journal*, **2019**, 359, 765-774	14.7	43
17	Dramatically Enhanced Li-Ion Storage of ZnO@C Anodes through TiO Homogeneous Hybridization. *Chemistry - A European Journal*, **2019**, 25, 582-589	4.8	9
16	A General Metal-Organic Framework (MOF)-Derived Selenidation Strategy for In Situ Carbon-Encapsulated Metal Selenides as High-Rate Anodes for Na-Ion Batteries. *Advanced Functional Materials*, **2018**, 28, 1707573	15.6	239
15	FeP@C Nanotube Arrays Grown on Carbon Fabric as a Low Potential and Freestanding Anode for High-Performance Li-Ion Batteries. *Small*, **2018**, 14, e1800793	11	73
14	Amorphous FeF3/C nanocomposite cathode derived from metal□rganic frameworks for sodium ion batteries. *RSC Advances*, **2017**, 7, 24004-24010	3.7	30
13	Ilmenite Nanotubes for High Stability and High Rate Sodium-Ion Battery Anodes. *ACS Nano*, **2017**, 11, 5120-5129	16.7	84
12	Self-Supported CoP Nanorod Arrays Grafted on Stainless Steel as an Advanced Integrated Anode for Stable and Long-Life Lithium-Ion Batteries. *Chemistry - A European Journal*, **2017**, 23, 5198-5204	4.8	65
11	Metal-Organic Framework-Derived NiSb Alloy Embedded in Carbon Hollow Spheres as Superior Lithium-Ion Battery Anodes. *ACS Applied Materials & Interfaces*, **2017**, 9, 2516-2525	9.5	95
10	Robust Pitaya-Structured Pyrite as High Energy Density Cathode for High-Rate Lithium Batteries. *ACS Nano*, **2017**, 11, 9033-9040	16.7	200

9	From ZnSn(OH) 6 to SnS 2 : Topotactic transformation synthesis of SnS 2 hierarchical microcubes with superior Li-ion storage performance. *Materials Research Bulletin*, **2017**, 96, 28-34	5.1	8
8	In situ carbon-coating and Ostwald ripening-based route for hollow Ni3S4@C spheres with superior Li-ion storage performances. *RSC Advances*, **2016**, 6, 101752-101759	3.7	21
7	Reduced graphene oxide anchored tin sulfide hierarchical microspheres with superior Li-ion storage performance. *Ionics*, **2016**, 22, 1811-1818	2.7	15
6	Uniform Hierarchical Fe3O4@Polypyrrole Nanocages for Superior Lithium Ion Battery Anodes. *Advanced Energy Materials*, **2016**, 6, 1600256	21.8	152
5	In Situ Synthesis of MnS Hollow Microspheres on Reduced Graphene Oxide Sheets as High-Capacity and Long-Life Anodes for Li- and Na-Ion Batteries. *ACS Applied Materials & Interfaces*, **2015**, 7, 20957-64	9.5	179
4	Facile synthesis of P2-type Na0.4Mn0.54Co0.46O2 as a high capacity cathode material for sodium-ion batteries. *RSC Advances*, **2015**, 5, 51454-51460	3.7	44
3	Wheat straw carbon matrix wrapped sulfur composites as a superior cathode for Li-S batteries. *RSC Advances*, **2015**, 5, 100089-100096	3.7	29
2	Controlled synthesis and formation mechanism of monodispersive lanthanum vanadate nanowires with monoclinic structure. *Journal of Solid State Chemistry*, **2013**, 200, 123-127	3.3	5
1	General construction of lithiophilic 3D skeleton for dendrite-free lithium metal anode via a versatile MOF-derived route. *Science China Materials*,1	7.1	5