

# Xijun Xu

## List of Publications by Citations

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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	A General Metal-Organic Framework (MOF)-Derived Selenidation Strategy for In Situ Carbon-Encapsulated Metal Selenides as High-Rate Anodes for Na-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707573	15.6	239
61	Robust Pitaya-Structured Pyrite as High Energy Density Cathode for High-Rate Lithium Batteries. <i>ACS Nano</i> , <b>2017</b> , 11, 9033-9040	16.7	200
60	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. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20957-20964	9.5	179
59	Uniform Hierarchical Fe <sub>3</sub> O <sub>4</sub> @Polypyrrole Nanocages for Superior Lithium Ion Battery Anodes. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600256	21.8	152
58	Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density Lithium-Sulfur Batteries. <i>Advanced Materials</i> , <b>2019</b> , 31, e1902228	24	149
57	Mechanistic Understanding of Metal Phosphide Host for Sulfur Cathode in High-Energy-Density Lithium-Sulfur Batteries. <i>ACS Nano</i> , <b>2019</b> , 13, 8986-8996	16.7	129
56	Metal-Organic Framework-Derived NiSb Alloy Embedded in Carbon Hollow Spheres as Superior Lithium-Ion Battery Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 2516-2525	9.5	95
55	Ilmenite Nanotubes for High Stability and High Rate Sodium-Ion Battery Anodes. <i>ACS Nano</i> , <b>2017</b> , 11, 5120-5129	16.7	84
54	FeP@C Nanotube Arrays Grown on Carbon Fabric as a Low Potential and Freestanding Anode for High-Performance Li-Ion Batteries. <i>Small</i> , <b>2018</b> , 14, e1800793	11	73
53	Self-Supported CoP Nanorod Arrays Grafted on Stainless Steel as an Advanced Integrated Anode for Stable and Long-Life Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 5198-5204	4.8	65
52	Recent Progress in Organic-Inorganic Composite Solid Electrolytes for All-Solid-State Lithium Batteries. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 1720-1736	4.8	54
51	Facile synthesis of P2-type Na <sub>0.4</sub> Mn <sub>0.54</sub> Co <sub>0.46</sub> O <sub>2</sub> as a high capacity cathode material for sodium-ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 51454-51460	3.7	44
50	Rational synthesis of ternary FeS@TiO <sub>2</sub> @C nanotubes as anode for superior Na-ion batteries. <i>Chemical Engineering Journal</i> , <b>2019</b> , 359, 765-774	14.7	43
49	A flexible composite solid electrolyte with a highly stable interphase for dendrite-free and durable all-solid-state lithium metal batteries. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 18043-18054	13	38
48	Robust spindle-structured FeP@C for high-performance alkali-ion batteries anode. <i>Electrochimica Acta</i> , <b>2019</b> , 312, 224-233	6.7	37
47	Compositionally tuned Ni <sub>x</sub> Sn alloys as anode materials for lithium-ion and sodium-ion batteries with a high pseudocapacitive contribution. <i>Electrochimica Acta</i> , <b>2019</b> , 304, 246-254	6.7	35
46	Recent Progress of P2-Type Layered Transition-Metal Oxide Cathodes for Sodium-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 7747-7766	4.8	35

45	B,N Codoped Graphitic Nanotubes Loaded with Co Nanoparticles as Superior Sulfur Host for Advanced Li-S Batteries. <i>Small</i> , <b>2020</b> , 16, e1906634	11	32
44	Self-sacrificial template-directed ZnSe@C as high performance anode for potassium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 387, 124061	14.7	31
43	Cathodes for Aqueous Zn-Ion Batteries: Materials, Mechanisms, and Kinetics. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 830-860	4.8	31
42	Amorphous FeF <sub>3</sub> /C nanocomposite cathode derived from metal-organic frameworks for sodium ion batteries. <i>RSC Advances</i> , <b>2017</b> , 7, 24004-24010	3.7	30
41	Wheat straw carbon matrix wrapped sulfur composites as a superior cathode for LiS batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 100089-100096	3.7	29
40	Recent progress of flexible sulfur cathode based on carbon host for lithium-sulfur batteries. <i>Journal of Materials Science and Technology</i> , <b>2020</b> , 55, 56-72	9.1	29
39	Unraveling the Catalytic Activity of FeBased Compounds toward Li <sub>2</sub> S <sub>x</sub> in LiS Chemical System from d $\pi$ Bands. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100673	21.8	29
38	Facile synthesis of three-dimensional porous interconnected carbon matrix embedded with Sb nanoparticles as superior anode for Na-ion batteries. <i>Chemical Engineering Journal</i> , <b>2019</b> , 374, 502-510	14.7	27
37	Facile plasma treated MnO <sub>2</sub> @C hybrids for durable cycling cathodes in aqueous Zn-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 827, 154273	5.7	27
36	A nanorod-like Ni-rich layered cathode with enhanced Li <sup>+</sup> diffusion pathways for high-performance lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 2830-2839	13	26
35	Co-Sn Nanocrystalline Solid Solutions as Anode Materials in Lithium-Ion Batteries with High Pseudocapacitive Contribution. <i>ChemSusChem</i> , <b>2019</b> , 12, 1451-1458	8.3	25
34	Monodisperse CoSn and NiSn Nanoparticles Supported on Commercial Carbon as Anode for Lithium- and Potassium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 4414-4422	9.5	24
33	Solvent-Free Method Prepared a Sandwich-like Nanofibrous Membrane-Reinforced Polymer Electrolyte for High-Performance All-Solid-State Lithium Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 21586-21595	9.5	24
32	In situ carbon-coating and Ostwald ripening-based route for hollow Ni <sub>3</sub> S <sub>4</sub> @C spheres with superior Li-ion storage performances. <i>RSC Advances</i> , <b>2016</b> , 6, 101752-101759	3.7	21
31	Hollow spheres of Mo <sub>2</sub> C@C as synergistically confining sulfur host for superior LiS battery cathode. <i>Electrochimica Acta</i> , <b>2020</b> , 332, 135482	6.7	20
30	Interface engineering for composite cathodes in sulfide-based all-solid-state lithium batteries. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 60, 32-60	12	18
29	Reduced graphene oxide anchored tin sulfide hierarchical microspheres with superior Li-ion storage performance. <i>Ionics</i> , <b>2016</b> , 22, 1811-1818	2.7	15
28	Advances in the Development of Single-Atom Catalysts for High-Energy-Density Lithium-Sulfur Batteries.. <i>Advanced Materials</i> , <b>2022</b> , e2200102	24	13

27	Ultrafine ZnS Nanoparticles in the Nitrogen-Doped Carbon Matrix for Long-Life and High-Stable Potassium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 11007-11017	9.5	12
26	Facile Synthesis of Peapod-Like Cu Ge/Ge@C as a High-Capacity and Long-Life Anode for Li-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 11486-11493	4.8	11
25	SnS <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> /graphite nanocomposites as durable lithium-ion battery anode with high pseudocapacitance contribution. <i>Electrochimica Acta</i> , <b>2020</b> , 349, 136369	6.7	11
24	MnO Stabilized in Carbon-Veiled Multivariate Manganese Oxides as High-Performance Cathode Material for Aqueous Zn-Ion Batteries. <i>Energy and Environmental Materials</i> , <b>2020</b> ,	13	11
23	A Scalable Approach to Na <sub>2</sub> FeP <sub>2</sub> O <sub>7</sub> @Carbon/Expanded Graphite as a Low-Cost and High-Performance Cathode for Sodium-Ion Batteries. <i>ChemElectroChem</i> , <b>2020</b> , 7, 3874-3882	4.3	11
22	Scalable One-Pot Synthesis of Hierarchical Bi@C Bulk with Superior Lithium-Ion Storage Performances. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 51478-51487	9.5	9
21	Fe O @C Nanotubes Grown on Carbon Fabric as a Free-Standing Anode for High-Performance Li-Ion Batteries. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 14708-14714	4.8	9
20	Dramatically Enhanced Li-Ion Storage of ZnO@C Anodes through TiO Homogeneous Hybridization. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 582-589	4.8	9
19	Surface/Interface Structure and Chemistry of LithiumSulfur Batteries: From Density Functional Theory CalculationsIPerspective. <i>Advanced Energy and Sustainability Research</i> , <b>2021</b> , 2, 2100007	1.6	9
18	LithiumSulfur Batteries: Self-Supported and Flexible Sulfur Cathode Enabled via Synergistic Confinement for High-Energy-Density LithiumSulfur Batteries (Adv. Mater. 33/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970236	24	8
17	From ZnSn(OH) <sub>6</sub> to SnS <sub>2</sub> : Topotactic transformation synthesis of SnS <sub>2</sub> hierarchical microcubes with superior Li-ion storage performance. <i>Materials Research Bulletin</i> , <b>2017</b> , 96, 28-34	5.1	8
16	Freestanding Sodium Vanadate/Carbon Nanotube Composite Cathodes with Excellent Structural Stability and High Rate Capability for Sodium-Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 816-826	9.5	8
15	Ni-Rich Layered Oxide with Preferred Orientation (110) Plane as a Stable Cathode Material for High-Energy Lithium-Ion Batteries. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	7
14	Challenges and strategies of zinc anode for aqueous zinc-ion batteries. <i>Materials Chemistry Frontiers</i> , <b>2021</b> , 5, 2201-2217	7.8	7
13	In-Situ Synthesis of Carbon-Encapsulated Atomic Cobalt as Highly Efficient Polysulfide Electrocatalysts for Highly Stable Lithium-Sulfur Batteries.. <i>Small</i> , <b>2022</b> , e2106640	11	6
12	Controlled synthesis and formation mechanism of monodispersive lanthanum vanadate nanowires with monoclinic structure. <i>Journal of Solid State Chemistry</i> , <b>2013</b> , 200, 123-127	3.3	5
11	Multifunctional Metal Phosphides as Superior Host Materials for Advanced Lithium-Sulfur Batteries. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13494-13512	4.8	5
10	General construction of lithiophilic 3D skeleton for dendrite-free lithium metal anode via a versatile MOF-derived route. <i>Science China Materials</i> ,1	7.1	5

9	Challenges and Development of Composite Solid Electrolytes for All-solid-state Lithium Batteries. <i>Chemical Research in Chinese Universities</i> , <b>2021</b> , 37, 210-231	2.2	4
8	Self-Sacrifice Template Construction of Uniform Yolk-Shell ZnS@C for Superior Alkali-Ion Storage.. <i>Advanced Science</i> , <b>2022</b> , e2200247	13.6	3
7	Pomegranate-like structured NbO/Carbon@N-doped carbon composites as ultrastable anode for advanced sodium/potassium-ion batteries.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 613, 84-93	9.3	2
6	SnSex (x = 1, 2) Nanoparticles Encapsulated in Carbon Nanospheres with reversible electrochemical behaviors for lithium-ion half/full cells. <i>Chemical Engineering Journal</i> , <b>2021</b> , 431, 133463	14.7	1
5	Scalable synthesis of Li <sub>2</sub> GeO <sub>3</sub> /expanded graphite as a high-performance anode for Li-ion batteries. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 898, 162893	5.7	1
4	Direct Detection and Visualization of the H Reaction Process in a VO Cathode for Aqueous Zinc-Ion Batteries. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 7076-7084	6.4	1
3	Facile Synthesis of Yolk@Shell Bi@C Nanospheres with Superior Li-ion Storage Performances. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2021</b> , 34, 347-353	2.5	1
2	The Electrolyte Additive Effects on Commercialized Ni-Rich LiNi <sub>x</sub> Co <sub>y</sub> Mn <sub>z</sub> O <sub>2</sub> (x + y + z = 1) Based Lithium-Ion Pouch Batteries at High Temperature. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 2292-2299	6.1	1
1	LiS Batteries: Unraveling the Catalytic Activity of FeBased Compounds toward Li <sub>2</sub> Sx in LiS Chemical System from d $\pi$ Bands (Adv. Energy Mater. 26/2021). <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2170101	21.8	1