

# Weihan Li

## List of Publications by Year in descending order

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48  
papers

4,913  
citations

101384

36  
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205818

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49  
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49  
times ranked

6277  
citing authors

#	ARTICLE	IF	CITATIONS
1	Confined Amorphous Red Phosphorus in MOF-Derived N-Doped Microporous Carbon as a Superior Anode for Sodium-Ion Battery. <i>Advanced Materials</i> , 2017, 29, 1605820.	11.1	409
2	Amorphous Red Phosphorus Embedded in Highly Ordered Mesoporous Carbon with Superior Lithium and Sodium Storage Capacity. <i>Nano Letters</i> , 2016, 16, 1546-1553.	4.5	360
3	Nanoconfined Carbon-Coated $\text{Na}_3\text{V}_2(\text{PO}_4)_3$ Particles in Mesoporous Carbon Enabling Ultralong Cycle Life for Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1402104.	10.2	305
4	Free-standing and binder-free sodium-ion electrodes with ultralong cycle life and high rate performance based on porous carbon nanofibers. <i>Nanoscale</i> , 2014, 6, 693-698.	2.8	251
5	Si, Ge, Sn-Based Anode Materials for Lithium-Ion Batteries: From Structure Design to Electrochemical Performance. <i>Small Methods</i> , 2017, 1, 1600037.	4.6	237
6	A Flexible Porous Carbon Nanofibers-Selenium Cathode with Superior Electrochemical Performance for Both Li-Se and Na-Se Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1401377.	10.2	230
7	FeS@C on Carbon Cloth as Flexible Electrode for Both Lithium and Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 27804-27809.	4.0	213
8	A General Strategy to Fabricate Carbon-Coated 3D Porous Interconnected Metal Sulfides: Case Study of SnS/C Nanocomposite for High-Performance Lithium and Sodium Ion Batteries. <i>Advanced Science</i> , 2015, 2, 1500200.	5.6	193
9	Cobalt-Doped $\text{SnS}_2$ with Dual Active Centers of Synergistic Absorption-Catalysis Effect for High-Loading Li-Se Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1806724.	7.8	186
10	Free-standing porous carbon nanofibers-sulfur composite for flexible Li-S battery cathode. <i>Nanoscale</i> , 2014, 6, 9579.	2.8	153
11	Superior Sodium Storage in 3D Interconnected Nitrogen and Oxygen Dual-Doped Carbon Network. <i>Small</i> , 2016, 12, 2559-2566.	5.2	147
12	Crystalline red phosphorus incorporated with porous carbon nanofibers as flexible electrode for high performance lithium-ion batteries. <i>Carbon</i> , 2014, 78, 455-462.	5.4	146
13	Carbon nanofiber-based nanostructures for lithium-ion and sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13882-13906.	5.2	134
14	An Air-Stable and Dendrite-Free Li Anode for Highly Stable All-Solid-State Sulfide-Based Li Batteries. <i>Advanced Energy Materials</i> , 2019, 9, 1902125.	10.2	133
15	Electrospinning with partially carbonization in air: Highly porous carbon nanofibers optimized for high-performance flexible lithium-ion batteries. <i>Nano Energy</i> , 2015, 13, 693-701.	8.2	124
16	Nanostructured electrode materials for lithium-ion and sodium-ion batteries via electrospinning. <i>Science China Materials</i> , 2016, 59, 287-321.	3.5	124
17	Flexible one-dimensional carbon-selenium composite nanofibers with superior electrochemical performance for Li-Se/Na-Se batteries. <i>Journal of Power Sources</i> , 2015, 281, 461-469.	4.0	116
18	Germanium nanoparticles encapsulated in flexible carbon nanofibers as self-supported electrodes for high performance lithium-ion batteries. <i>Nanoscale</i> , 2014, 6, 4532-4537.	2.8	113

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19	Nanoconfined antimony in sulfur and nitrogen co-doped three-dimensionally (3D) interconnected macroporous carbon for high-performance sodium-ion batteries. <i>Nano Energy</i> , 2015, 18, 12-19.	8.2	97
20	Carbon-Coated Germanium Nanowires on Carbon Nanofibers as Self-Supported Electrodes for Flexible Lithium-Ion Batteries. <i>Small</i> , 2015, 11, 2762-2767.	5.2	85
21	A flexible Si@porous carbon nanofibers (x%0.1) thin film with high performance for Li-S batteries and room-temperature Na-S batteries. <i>Energy Storage Materials</i> , 2016, 5, 50-57.	9.5	85
22	Recent progress in Li-S and Li-Se batteries. <i>Rare Metals</i> , 2017, 36, 339-364.	3.6	84
23	Engineering nanostructured electrode materials for high performance sodium ion batteries: a case study of a 3D porous interconnected WS <sub>2</sub> /C nanocomposite. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20487-20493.	5.2	71
24	Sb Nanoparticles Encapsulated in a Reticular Amorphous Carbon Network for Enhanced Sodium Storage. <i>Small</i> , 2015, 11, 5381-5387.	5.2	69
25	Advanced High-Voltage All-Solid-State Li-Ion Batteries Enabled by a Dual-Halogen Solid Electrolyte. <i>Advanced Energy Materials</i> , 2021, 11, 2100836.	10.2	64
26	Synchrotron-Based X-ray Absorption Fine Structures, X-ray Diffraction, and X-ray Microscopy Techniques Applied in the Study of Lithium Secondary Batteries. <i>Small Methods</i> , 2018, 2, 1700341.	4.6	62
27	Atomic layer deposition derived amorphous TiO <sub>2</sub> thin film decorating graphene nanosheets with superior rate capability. <i>Electrochemistry Communications</i> , 2015, 57, 43-47.	2.3	61
28	A carbon coated NASICON structure material embedded in porous carbon enabling superior sodium storage performance: NaTi <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> as an example. <i>Nanoscale</i> , 2015, 7, 14723-14729.	2.8	61
29	Nitridation Br-doped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> anode for high rate lithium ion batteries. <i>Journal of Power Sources</i> , 2014, 266, 323-331.	4.0	60
30	Flexible copper-stabilized sulfur-carbon nanofibers with excellent electrochemical performance for Li-S batteries. <i>Nanoscale</i> , 2015, 7, 10940-10949.	2.8	58
31	Superior lithium storage in a 3D macroporous graphene framework/SnO <sub>2</sub> nanocomposite. <i>Nanoscale</i> , 2014, 6, 7817.	2.8	54
32	N-doped porous hollow carbon nanofibers fabricated using electrospun polymer templates and their sodium storage properties. <i>RSC Advances</i> , 2014, 4, 16920-16927.	1.7	53
33	Gradiently Sodiated Alucone as an Interfacial Stabilizing Strategy for Solid-State Na Metal Batteries. <i>Advanced Functional Materials</i> , 2020, 30, 2001118.	7.8	53
34	Carbon-Coated Na <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Anchored on Freestanding Graphite Foam for High-Performance Sodium-Ion Cathodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32360-32365.	4.0	50
35	Superior sodium storage in phosphorus@porous multichannel flexible freestanding carbon nanofibers. <i>Energy Storage Materials</i> , 2017, 9, 112-118.	9.5	44
36	New Insights into the High-Performance Black Phosphorus Anode for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2021, 33, e2101259.	11.1	41

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37	Membranes of MnO Beading in Carbon Nanofibers as Flexible Anodes for High-Performance Lithium-Ion Batteries. <i>Scientific Reports</i> , 2015, 5, 14146.	1.6	34
38	Understanding the Critical Role of Binders in Phosphorus/Carbon Anode for Sodium-Ion Batteries through Unexpected Mechanism. <i>Advanced Functional Materials</i> , 2020, 30, 2000060.	7.8	29
39	Free-standing and binder-free sodium-ion electrodes based on carbon-nanotube decorated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanoparticles embedded in carbon nanofibers. <i>RSC Advances</i> , 2014, 4, 25220.	1.7	24
40	Three-Dimensionally Interconnected TaS <sub>3</sub> Nanowire Network as Anode for High-Performance Flexible Li-Ion Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 5629-5633.	4.0	24
41	Facile synthesis of germanium-reduced graphene oxide composite as anode for high performance lithium-ion batteries. <i>RSC Advances</i> , 2014, 4, 58184-58189.	1.7	22
42	Highly reversible lithium storage in a 3D macroporous Ge@C composite. <i>RSC Advances</i> , 2014, 4, 37746-37751.	1.7	17
43	Carbon nanofiber interlayer: a highly effective strategy to stabilize silicon anodes for use in lithium-ion batteries. <i>Nanoscale</i> , 2018, 10, 12430-12435.	2.8	9
44	Influence of Carbon Matrix Dimensions on the Electrochemical Performance of Germanium Oxide in Lithium-Ion Batteries. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 524-530.	1.2	8
45	Estimation of Potentials in Lithium-Ion Batteries Using Machine Learning Models. <i>IEEE Transactions on Control Systems Technology</i> , 2022, 30, 680-695.	3.2	8
46	Revealing Dopant Local Structure of Se-Doped Black Phosphorus. <i>Chemistry of Materials</i> , 2021, 33, 2029-2036.	3.2	8
47	Metal Sulphides: A General Strategy to Fabricate Carbon-Coated 3D Porous Interconnected Metal Sulfides: Case Study of SnS/C Nanocomposite for High-Performance Lithium and Sodium Ion Batteries ( <i>Adv. Sci.</i> 12/2015). <i>Advanced Science</i> , 2015, 2, .	5.6	1
48	Sodium-Ion Batteries: Sb Nanoparticles Encapsulated in a Reticular Amorphous Carbon Network for Enhanced Sodium Storage ( <i>Small</i> 40/2015). <i>Small</i> , 2015, 11, 5330-5330.	5.2	0