

# Xing Xin

## List of Publications by Year in descending order

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27  
papers

1,179  
citations

567281

15  
h-index

501196

28  
g-index

28  
all docs

28  
docs citations

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times ranked

2140  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scalable Synthesis of TiO <sub>2</sub> /Graphene Nanostructured Composite with High-Rate Performance for Lithium Ion Batteries. ACS Nano, 2012, 6, 11035-11043.	14.6	271
2	A 3D porous architecture of Si/graphene nanocomposite as high-performance anode materials for Li-ion batteries. Journal of Materials Chemistry, 2012, 22, 7724.	6.7	193
3	Sulfur/Carbon Nanotube Composite Film as a Flexible Cathode for Lithium-Sulfur Batteries. Journal of Physical Chemistry C, 2013, 117, 21112-21119.	3.1	135
4	Co <sub>3</sub> O <sub>4</sub> nanowires as high capacity anode materials for lithium ion batteries. Journal of Alloys and Compounds, 2012, 521, 95-100.	5.5	101
5	Dendrite-Free Epitaxial Growth of Lithium Metal during Charging in Li <sup>+</sup> O <sub>2</sub> Batteries. Angewandte Chemie - International Edition, 2018, 57, 13206-13210.	13.8	76
6	Highly Efficient Br <sup>+</sup> /NO <sub>3</sub> <sup>+</sup> Dual-Anion Electrolyte for Suppressing Charging Instabilities of Li <sup>+</sup> O <sub>2</sub> Batteries. ACS Applied Materials & Interfaces, 2017, 9, 25976-25984.	8.0	69
7	Dendrite-Free Epitaxial Growth of Lithium Metal during Charging in Li <sup>+</sup> O <sub>2</sub> Batteries. Angewandte Chemie, 2018, 130, 13390-13394.	2.0	53
8	Interlayer epitaxy of wafer-scale high-quality uniform AB-stacked bilayer graphene films on liquid Pt <sub>3</sub> Si/solid Pt. Nature Communications, 2019, 10, 2809.	12.8	43
9	Poly(methyl methacrylate)-Based Gel Polymer Electrolyte for High-Performance Solid State Li <sup>+</sup> O <sub>2</sub> Battery with Enhanced Cycling Stability. ACS Applied Energy Materials, 2021, 4, 3975-3982.	5.1	30
10	Electrorheological Fluids with High Shear Stress Based on Wrinkly Tin Titanyl Oxalate. ACS Applied Materials & Interfaces, 2018, 10, 6785-6792.	8.0	28
11	PEDOT-PSS coated VS <sub>2</sub> nanosheet anodes for high rate and ultrastable lithium-ion batteries. New Journal of Chemistry, 2019, 43, 1681-1687.	2.8	28
12	Graphene/activated carbon composite material for oxygen electrodes in lithium-oxygen rechargeable batteries. Carbon, 2016, 99, 167-173.	10.3	21
13	CTAB micelles assisted rGO-AgNP hybrids for SERS detection of polycyclic aromatic hydrocarbons. Physical Chemistry Chemical Physics, 2015, 17, 21158-21163.	2.8	18
14	Electrochemical behavior of Ru nanoparticles as catalysts in aprotic Li <sup>+</sup> O <sub>2</sub> batteries. Electrochimica Acta, 2018, 261, 323-329.	5.2	15
15	Bilayer NASICON/Polymer Hybrid Electrolyte for Stable Solid-State Li <sup>+</sup> O <sub>2</sub> Batteries. ACS Applied Energy Materials, 2022, 5, 9149-9157.	5.1	15
16	Si/C nanocomposite anode materials by freeze-drying with enhanced electrochemical performance in lithium-ion batteries. Journal of Solid State Electrochemistry, 2012, 16, 2733-2738.	2.5	14
17	Scalable synthesis of one-dimensional Na <sub>2</sub> Li <sub>2</sub> Ti <sub>6</sub> O <sub>14</sub> nanofibers as ultrahigh rate capability anodes for lithium-ion batteries. Inorganic Chemistry Frontiers, 2019, 6, 646-653.	6.0	10
18	Ultrafast Transition of Nonuniform Graphene to High-Quality Uniform Monolayer Films on Liquid Cu. ACS Applied Materials & Interfaces, 2019, 11, 17629-17636.	8.0	10

#	ARTICLE	IF	CITATIONS
19	Electrochemical Polishing: An Effective Strategy for Eliminating Li Dendrites. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	9
20	Circular Graphene Platelets with Grain Size and Orientation Gradients Grown by Chemical Vapor Deposition. <i>Advanced Materials</i> , 2017, 29, 1605451.	21.0	8
21	Bimetallic Hexagonal Layered Ni <sup>2+</sup> Co Sulfides with High Electrochemical Performance for All-Solid-State Lithium Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 17061-17067.	6.7	8
22	Nitrogen-doped polymer nanofibers decorated with Co nanoparticles for uniform lithium nucleation/growth in lithium metal batteries. <i>Nanoscale</i> , 2020, 12, 8819-8827.	5.6	7
23	Enhanced Rate Capability of Polymer-Derived SiCN Anode Material for Electrochemical Storage of Lithium with 3-D Carbon Nanotube Network Dispersed in Nanoscale. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 3067-3075.	0.9	4
24	Constructing BaLi <sub>2</sub> Ti <sub>6</sub> O <sub>14</sub> @C nanofibers with a low carbon content as high-performance anode materials for Li-ion batteries. <i>New Journal of Chemistry</i> , 2020, 44, 4295-4303.	2.8	4
25	Synthesis and Electrochemical Performance of Graphene Wrapped Sn <sub>1-x</sub> Ti <sub>x</sub> O <sub>2</sub> Nanoparticles as an Anode Material for Li-Ion Batteries. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-10.	2.7	3
26	Dual-functional 3D carbon fibers decorated with Co nanoparticles and Co-N sites for rechargeable aprotic Li <sub>2</sub> O batteries. <i>New Journal of Chemistry</i> , 2022, 46, 11570-11578.	2.8	3
27	Guiding uniform Zn deposition by cocoons for long-life Zn metal batteries. <i>New Journal of Chemistry</i> , 2021, 45, 9747-9750.	2.8	1