

# Yan-Guo Liu

## List of Publications by Year in descending order

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22  
papers

742  
citations

623734

14  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

784  
citing authors

#	ARTICLE	IF	CITATIONS
1	A nanosized SnSb alloy confined in N-doped 3D porous carbon coupled with ether-based electrolytes toward high-performance potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14309-14318.	10.3	157
2	Constructing N-Doped porous carbon confined FeSb alloy nanocomposite with Fe-N-C coordination as a universal anode for advanced Na/K-ion batteries. <i>Chemical Engineering Journal</i> , 2020, 384, 123327.	12.7	60
3	In situ synthesis of Co <sub>3</sub> O <sub>4</sub> nanoparticles confined in 3D nitrogen-doped porous carbon as an efficient bifunctional oxygen electrocatalyst. <i>Rare Metals</i> , 2020, 39, 1383-1394.	7.1	57
4	BiSb@Bi <sub>2</sub> O <sub>3</sub> /SbO <sub>x</sub> encapsulated in porous carbon as anode materials for sodium/potassium-ion batteries with a high pseudocapacitive contribution. <i>Journal of Colloid and Interface Science</i> , 2020, 580, 429-438.	9.4	47
5	High-entropy chemistry stabilizing spinel oxide (CoNiZnXMnLi) <sub>3</sub> O <sub>4</sub> (X = Fe, Cr) for high-performance anode of Li-ion batteries. <i>Rare Metals</i> , 2022, 41, 1265-1275.	7.1	46
6	Amorphous High-entropy Non-precious metal oxides with surface reconstruction toward highly efficient and durable catalyst for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 635-644.	9.4	42
7	Sulfur-doped 3D hierarchical porous carbon network toward excellent potassium-ion storage performance. <i>Rare Metals</i> , 2021, 40, 2464-2473.	7.1	41
8	Recent advances of metal telluride anodes for high-performance lithium/sodium-ion batteries. <i>Materials Horizons</i> , 2022, 9, 524-546.	12.2	32
9	Nanosized high entropy spinel oxide (FeCoNiCrMn) <sub>3</sub> O <sub>4</sub> as a highly active and ultra-stable electrocatalyst for the oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2022, 6, 1479-1488.	4.9	31
10	In-situ synthesis of niobium-doped TiO <sub>2</sub> nanosheet arrays on double transition metal MXene (TiNbCT <sub>x</sub> ) as stable anode material for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 617, 147-155.	9.4	31
11	A Simple and Low-Cost Method to Synthesize Cr-Doped Fe <sub>2</sub> O <sub>3</sub> Electrode Materials for Lithium-ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 856-864.	3.4	30
12	Boosting electrochemical reaction and suppressing phase transition with a high-entropy O <sub>3</sub> -type layered oxide for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2022, 10, 14943-14953.	10.3	29
13	Fabrication of Porous Carbon with Controllable Nitrogen Doping as Anode for High-Performance Potassium-ion Batteries. <i>ChemElectroChem</i> , 2019, 6, 3699-3707.	3.4	28
14	Three-dimensional porous bowl-shaped carbon cages interspersed with carbon coated Ni-Sn alloy nanoparticles as anode materials for high-performance lithium-ion batteries. <i>New Journal of Chemistry</i> , 2017, 41, 393-402.	2.8	26
15	Template-assisted <i>in situ</i> confinement synthesis of nitrogen and oxygen co-doped 3D porous carbon network for high-performance sodium-ion battery anode. <i>New Journal of Chemistry</i> , 2018, 42, 14410-14416.	2.8	15
16	Morphological evolution of hollow NiCo <sub>2</sub> O <sub>4</sub> microspheres and their high pseudocapacitance contribution for Li/Na-ion battery anodes. <i>New Journal of Chemistry</i> , 2018, 42, 17762-17768.	2.8	13
17	Covalent Pinning of Highly Dispersed Ultrathin Metallic-Phase Molybdenum Disulfide Nanosheets on the Inner Surface of Mesoporous Carbon Spheres for Durable and Rapid Sodium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 58652-58664.	8.0	13
18	In Situ Construction of Multibuffer Structure 3D CoSn@SnO <sub>x</sub> /CoO <sub>x</sub> @C Anode Material for Ultralong Life Lithium Storage. <i>Energy Technology</i> , 2020, 8, 1900829.	3.8	11

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19	Ultrathin Metallic-Phase Molybdenum Disulfide Nanosheets Stabilized on Functionalized Carbon Nanotubes Via Covalent Interface Interaction for Sodium- and Lithium-Ion Storage. <i>ACS Applied Energy Materials</i> , 2021, 4, 9440-9449.	5.1	11
20	Boosting the electrocatalytic hydrogen evolution and sodium-storage properties of Co <sub>9</sub> S <sub>8</sub> nanoparticles via encapsulation with nitrogen-doped few-layer graphene networks. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4618-4627.	4.9	9
21	Ultrafine nano-scale Cu <sub>2</sub> Sb alloy confined in three-dimensional porous carbon as an anode for sodium-ion and potassium-ion batteries. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 1666-1674.	4.9	8
22	Nanosized CoSb Alloy Confined in Honeycomb Carbon Framework Toward High-Property Potassium-Ion and Sodium-Ion Batteries. <i>Energy Technology</i> , 2021, 9, 2100095.	3.8	5