

Xudong Liu

List of Publications by Year in descending order

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21
papers

527
citations

623734

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794594

19
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21
all docs

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docs citations

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times ranked

826
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#	ARTICLE	IF	CITATIONS
1	Synthesis of the Carbon-Coated Nanoparticle Co_9S_8 and Its Electrochemical Performance as an Anode Material for Sodium-Ion Batteries. <i>Langmuir</i> , 2016, 32, 12593-12602.	3.5	78
2	Nanotube Li_2MoO_4 : a novel and high-capacity material as a lithium-ion battery anode. <i>Nanoscale</i> , 2014, 6, 13660-13667.	5.6	64
3	Nitroaromatics as High-Energy Organic Cathode Materials for Rechargeable Alkali-Ion (Li^+) Batteries. <i>Journal of Power Sources</i> , 2019, 34, 154-164.	19.5	1078
4	High performance nanocomposite nanofiltration membranes with polydopamine-modified cellulose nanocrystals for efficient dye/salt separation. <i>Desalination</i> , 2022, 521, 115385.	8.2	44
5	Highly porous silver dendrites on carbon nanotube wrapped copper cobaltite nano-flowers for boosting energy density and cycle stability of asymmetric supercapattery. <i>Journal of Power Sources</i> , 2019, 34, 154-164.	7.8	36
6	Bimetallic metal-organic framework derived doped carbon nanostructures as high-performance electrocatalyst towards oxygen reactions. <i>Nano Research</i> , 2021, 14, 1533-1540.	10.4	29
7	Utilizing Waste Thermocol Sheets and Rusted Iron Wires to Fabricate Fe_3O_4 Nanocomposite-Based Supercapacitors: Turning Wastes into Value-Added Materials. <i>ChemSusChem</i> , 2018, 11, 2410-2420.	6.8	27
8	Macromolecular Polyethynylbenzotrione Precursor-Based Porous Covalent Triazine Frameworks for Superior High-Rate High-Energy Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45805-45817.	8.0	25
9	Water-Soluble Linear Poly(ethylenimine) as a Superior Bifunctional Binder for Lithium-Sulfur Batteries of Improved Cell Performance. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25917-25929.	3.1	24
10	Synthesis of Carbon-coated Nanoplate Na_2MoO_4 and its Electrochemical Lithiation Process as Anode Material for Lithium-ion Batteries. <i>Electrochimica Acta</i> , 2015, 154, 94-101.	5.2	21
11	Synthesis of One Dimensional Li_2MoO_4 Nanostructures and Their Electrochemical Performance as Anode Materials for Lithium-ion Batteries. <i>Electrochimica Acta</i> , 2015, 174, 315-326.	5.2	20
12	Designing Ultrasmall Carbon Nanospheres with Tailored Sizes and Textural Properties for High-Rate High-Energy Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32916-32929.	8.0	16
13	A promising sol-gel method to synthesize NaVO_3 as anode material for lithium ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 1803-1812.	2.5	15
14	Mixing transition-metal phosphates $\text{Li}_3\text{V}_2\text{Fe}(\text{PO}_4)_3$: the synthesis, structure and electrochemical properties. <i>Electrochimica Acta</i> , 2016, 196, 517-526.	5.2	14
15	Cheese-like bulk carbon with nanoholes prepared from egg white as an anode material for lithium and sodium ion batteries. <i>RSC Advances</i> , 2016, 6, 80986-80993.	3.6	14
16	Encapsulation of sulfur within well-defined size-tunable ultrasmall carbon nanospheres for superior high-rate and long-stability Li-S batteries. <i>Chemical Engineering Journal</i> , 2021, 422, 130129.	12.7	14
17	Synthesis of alluaudite-type $\text{Na}_2\text{VFe}_2(\text{PO}_4)_3/\text{C}$ and its electrochemical performance as cathode material for sodium-ion battery. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 891-898.	2.5	11
18	Cleanup of oiled shorelines using a dual responsive nanoclay/sodium alginate surface washing agent. <i>Environmental Research</i> , 2022, 205, 112531.	7.5	9

#	ARTICLE	IF	CITATIONS
19	Carbon Nanospheres with High Intra- and Inter-Sphere Porosities for High-Rate Energy Storage Applications. ChemElectroChem, 2021, 8, 3674-3677.	3.4	2
20	Alkali-Ion Batteries: Nitroaromatics as High-Energy Organic Cathode Materials for Rechargeable Alkali-Ion (Li ⁺ , Na ⁺ , and K ⁺) Batteries (Adv. Energy Mater. 4/2021). Advanced Energy Materials, 2021, 11, 2170016.	19.5	0
21	N,S-Codoped hollow carbon dodecahedron/sulfides composites enabling high-performance lithium-ion intercalation. Electrochemical Science Advances, 2021, 1, e2100001.	2.8	0