

Jiaxuan Liao

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,644
citations

394421

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330143

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docs citations

38
times ranked

2095
citing authors

#	ARTICLE	IF	CITATIONS
1	Freestanding sandwich-like hierarchically TiS ₂ @TiO ₂ /Mxene bi-functional interlayer for stable Li-S batteries. Carbon, 2022, 188, 533-542.	10.3	42
2	Plasma and magnetron sputtering constructed dual-functional polysulfides barrier separator for high-performance lithium-sulfur batteries. Journal of Colloid and Interface Science, 2022, 613, 636-643.	9.4	9
3	Synergistic regulating of dynamic trajectory and lithiophilic nucleation by Heusler alloy for dendrite-free Li deposition. Energy Storage Materials, 2022, 50, 505-513.	18.0	25
4	High stability gel electrolytes for long life lithium ion solid state supercapacitor. E3S Web of Conferences, 2021, 257, 01084.	0.5	0
5	Rational design and controllable synthesis of polymer aerogel-based single-atom catalysts with high loading. Materials Advances, 2021, 2, 6885-6900.	5.4	3
6	Insight into MoS ₂ @MoN Heterostructure to Accelerate Polysulfide Conversion toward High-Energy-Density Lithium-Sulfur Batteries. Advanced Energy Materials, 2021, 11, 2003314.	19.5	159
7	Comprehensive dielectric performance of alternately doped BST multilayer films coated with strontium titanate thin layers. Journal of Materials Research and Technology, 2021, 13, 385-396.	5.8	3
8	Dual-heterostructures decorated interweaved carbon nanofibers sulfur host for high performance lithium-sulfur batteries. Chemical Engineering Journal, 2021, 418, 129388.	12.7	27
9	Sandwich-type composite multilayer films of strontium titanate and barium strontium titanate and their controllable dielectric properties. Journal of Materials Science and Technology, 2021, 85, 245-254.	10.7	7
10	Immobilizing Polysulfide via Multiple Active Sites in W ₁₈ O ₄₉ for Li-S batteries by Oxygen Vacancy Engineering. Energy Storage Materials, 2021, 43, 422-429.	18.0	55
11	High loading of NiFe active sites on a melamine formaldehyde carbon-based aerogel towards efficient bi-functional electrocatalysis for water splitting. Sustainable Energy and Fuels, 2021, 5, 4973-4980.	4.9	4
12	Lead zirconate titanate aerogel piezoelectric composite designed with a biomimetic shell structure for underwater acoustic transducers. Chemical Communications, 2021, 57, 9764-9767.	4.1	12
13	Hollow carbon sphere based WS ₂ anode for high performance lithium and sodium ion batteries. Chemical Physics Letters, 2020, 741, 137061.	2.6	17
14	Activation-free N-doped porous carbon to enhance surface-driven K storage vs intercalation dominated Na storage. Applied Surface Science, 2020, 506, 144909.	6.1	13
15	Excellent Electrochemical Performance of Potassium Ion Capacitor Achieved by a High Nitrogen Doped Activated Carbon. Journal of the Electrochemical Society, 2020, 167, 050506.	2.9	17
16	Controllable morphologies and electrochemical performances of self-assembled nano-honeycomb WS ₂ anodes modified by graphene doping for lithium and sodium ion batteries. Carbon, 2019, 142, 697-706.	10.3	76
17	Cellulose-Hydrogel-Derived Self-Activated Carbon/SnO ₂ Nanocomposites for High-Performance Lithium Storage. ACS Applied Energy Materials, 2019, 2, 5171-5182.	5.1	29
18	Efficient Trapping and Catalytic Conversion of Polysulfides by VS ₄ Nanosites for Li-S Batteries. ACS Energy Letters, 2019, 4, 755-762.	17.4	185

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19	Scalable, eco-friendly and ultrafast solar steam generators based on one-step melamine-derived carbon sponges toward water purification. Nano Energy, 2019, 58, 322-330.	16.0	246
20	Designing a highly efficient polysulfide conversion catalyst with paramontroseite for high-performance and long-life lithium-sulfur batteries. Nano Energy, 2019, 57, 230-240.	16.0	190
21	Uniform $\text{Co}_3\text{V}_2\text{O}_8$ microspheres <i>via</i> controllable assembly for high-performance lithium-ion battery anodes. New Journal of Chemistry, 2018, 42, 4881-4886.	2.8	9
22	Systematic comparison of hollow and solid $\text{Co}_3\text{V}_2\text{O}_8$ micro-pencils as advanced anode materials for lithium ion batteries. Electrochimica Acta, 2018, 264, 358-366.	5.2	49
23	Enhanced Electrochemical and Thermal Transport Properties of Graphene/ MoS_2 Heterostructures for Energy Storage: Insights from Multiscale Modeling. ACS Applied Materials & Interfaces, 2018, 10, 14614-14621.	8.0	56
24	Significant reduction of dielectric loss of $\text{Ba}_{0.51}\text{Sr}_{0.34}\text{TiO}_3$ film modified by Y/Mn alternate doping and preheating. Ceramics International, 2018, 44, 15653-15659.	4.8	11
25	Graphene Oxide-Template Controlled Cuboid-Shaped High-Capacity VS_4 Nanoparticles as Anode for Sodium-Ion Batteries. Advanced Functional Materials, 2018, 28, 1801806.	14.9	125
26	Novel spherical cobalt/nickel mixed-vanadates as high-capacity anodes in lithium ion batteries. Journal of Alloys and Compounds, 2018, 766, 442-449.	5.5	33
27	Improving the performance and stability of flexible pressure sensors with an air gap structure. RSC Advances, 2017, 7, 48354-48359.	3.6	15
28	Graphene coated $\text{Co}_3\text{V}_2\text{O}_8$ micro-pencils for enhanced-performance in lithium ion batteries. New Journal of Chemistry, 2017, 41, 10634-10639.	2.8	18
29	High Rate and Long Cycle Life of a CNT/rGO/Si Nanoparticle Composite Anode for Lithium-Ion Batteries. Particle and Particle Systems Characterization, 2017, 34, 1700141.	2.3	38
30	Facile and controllable synthesis of solid $\text{Co}_3\text{V}_2\text{O}_8$ micro-pencils as a highly efficient anode for Li-ion batteries. RSC Advances, 2017, 7, 24418-24424.	3.6	16
31	A Facile Approach to Tune the Electrical and Thermal Properties of Graphene Aerogels by Including Bulk MoS_2 . Nanomaterials, 2017, 7, 420.	4.1	28
32	Influence of Film Thickness on Dielectric Properties of Y and Mn Alternately Doped BST Films. Integrated Ferroelectrics, 2014, 152, 97-103.	0.7	9
33	A Novelty Designed $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{TiO}_3$ Film with High Tunability and Low Dielectric Loss. Integrated Ferroelectrics, 2014, 152, 90-96.	0.7	5
34	Improved Mechanisms for Excellent Tunable Microwave Ce and Mn Codoped $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{TiO}_3$ Thin Films. Integrated Ferroelectrics, 2014, 152, 104-112.	0.7	8
35	Effect of doped concentration on dielectric properties of Mn and Y alternately doped BST films. Surface and Coatings Technology, 2014, 251, 307-312.	4.8	23
36	Preparation and Dielectric Properties of Cerium and Manganese Codoped $\text{Ba}_{0.6}\text{Sr}_{0.4}\text{TiO}_3$ Ferroelectric Films. Integrated Ferroelectrics, 2013, 144, 107-111.	0.7	4

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37	Influence of preheating on crystallization and growing behavior of Ce and Mn doped Ba _{0.6} Sr _{0.4} TiO ₃ film by sol-gel method. Surface and Coatings Technology, 2012, 206, 4518-4524.	4.8	34
38	The structure and dielectric properties of a novel kind of doped Ba _{0.6} Sr _{0.4} TiO ₃ film. Materials Chemistry and Physics, 2012, 135, 1030-1035.	4.0	44