

Tao Liu

List of Publications by Year in descending order

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27
papers

2,602
citations

394421

19
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552781

26
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all docs

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docs citations

27
times ranked

3075
citing authors

#	ARTICLE	IF	CITATIONS
1	Core-Shell Nitrogen-Doped Carbon Hollow Spheres/ Co_3O_4 Nanosheets as Advanced Electrode for High-Performance Supercapacitor. <i>Small</i> , 2018, 14, e1702407.	10.0	309
2	Nickel-based materials for supercapacitors. <i>Materials Today</i> , 2019, 25, 35-65.	14.2	247
3	Hollow Carbon Spheres and Their Hybrid Nanomaterials in Electrochemical Energy Storage. <i>Advanced Energy Materials</i> , 2019, 9, 1803900.	19.5	220
4	Hierarchical porous C/MnO_2 composite hollow microspheres with enhanced supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8635-8643.	10.3	174
5	Hierarchical NiS/N-doped carbon composite hollow spheres with excellent supercapacitor performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 21257-21265.	10.3	174
6	Construction of nickel cobalt sulfide nanosheet arrays on carbon cloth for performance-enhanced supercapacitor. <i>Journal of Materials Science and Technology</i> , 2020, 47, 113-121.	10.7	160
7	Synthesis of reduced graphene oxide supported nickel-cobalt-layered double hydroxide nanosheets for supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2021, 588, 637-645.	9.4	156
8	Hierarchical flower-like C/NiO composite hollow microspheres and its excellent supercapacitor performance. <i>Journal of Power Sources</i> , 2017, 359, 371-378.	7.8	154
9	Fabrication of a hierarchical NiO/C hollow sphere composite and its enhanced supercapacitor performance. <i>Chemical Communications</i> , 2018, 54, 3731-3734.	4.1	140
10	Thermostable gel polymer electrolyte based on succinonitrile and ionic liquid for high-performance solid-state supercapacitors. <i>Journal of Power Sources</i> , 2016, 328, 510-519.	7.8	123
11	ZIF-67 derived nickel cobalt sulfide hollow cages for high-performance supercapacitors. <i>Applied Surface Science</i> , 2020, 504, 144501.	6.1	107
12	Sandwich-Shell Structured $\text{CoMn}_2\text{O}_4/\text{C}$ Hollow Nanospheres for Performance-Enhanced Sodium-Ion Hybrid Supercapacitor. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	101
13	Hierarchical hollow cages of Mn-Co layered double hydroxide as supercapacitor electrode materials. <i>Applied Surface Science</i> , 2017, 413, 35-40.	6.1	98
14	NiCo_2S_4 Nanotubes Anchored 3D Nitrogen-Doped Graphene Framework as Electrode Material with Enhanced Performance for Asymmetric Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11157-11165.	6.7	73
15	Mesoporous Hybrids of Reduced Graphene Oxide and Vanadium Pentoxide for Enhanced Performance in Lithium-Ion Batteries and Electrochemical Capacitors. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9200-9210.	8.0	70
16	Holey Graphene for Electrochemical Energy Storage. <i>Cell Reports Physical Science</i> , 2020, 1, 100215.	5.6	58
17	OD/2D $(\text{Fe}_{0.5}\text{Ni}_{0.5})\text{S}_2/\text{rGO}$ nanocomposite with enhanced supercapacitor and lithium ion battery performance. <i>Journal of Power Sources</i> , 2019, 426, 266-274.	7.8	54
18	N-doped graphene framework supported nickel cobalt oxide as supercapacitor electrode with enhanced performance. <i>Applied Surface Science</i> , 2019, 484, 135-143.	6.1	43

#	ARTICLE	IF	CITATIONS
19	Core-shell Structured C@SiO ₂ Hollow Spheres Decorated with Nickel Nanoparticles as Anode Materials for Lithium-ion Batteries. <i>Small</i> , 2021, 17, e2103673.	10.0	43
20	Sulfide-based Nickel-plated Fabrics for Foldable Quasi-solid-state Supercapacitors. <i>Energy and Environmental Materials</i> , 2022, 5, 883-891.	12.8	19
21	Nickel-cobalt selenide@N-doped carbon towards high-performance anode materials for sodium-ion batteries. <i>Journal of Energy Storage</i> , 2022, 51, 104522.	8.1	19
22	MnCo Oxides Supported on Carbon Fibers for High-Performance Supercapacitors. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2020, 36, 1907072-0.	4.9	16
23	A Comparative Study of Cobalt Chalcogenides as the Electrode Materials on Lithium-sulfur Battery Performance. <i>Small Methods</i> , 2022, 6, e2101269.	8.6	14
24	Core-shell structured Ni ₆ MnO ₈ @carbon nanotube hybrid as high-performance pseudocapacitive electrode material. <i>Electrochimica Acta</i> , 2019, 320, 134627.	5.2	12
25	Toward highly stable solid-state unconventional thin-film battery-supercapacitor hybrid devices: Interfacing vertical core-shell array electrodes with a gel polymer electrolyte. <i>Journal of Power Sources</i> , 2017, 342, 1006-1016.	7.8	11
26	Thermal stability and thermal degradation kinetic study of bismaleimide-epoxy modified novolac resin. <i>Composite Interfaces</i> , 2012, 19, 461-473.	2.3	7
27	Graphene oxide-based modified electrodes for high-performance supercapacitors. , 2022, , 239-266.		0