Yaokang Lv

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2431645/publications.pdf

Version: 2024-02-01

53 papers	3,661 citations	117625 34 h-index	175258 52 g-index
54 all docs	54 docs citations	54 times ranked	3230 citing authors

#	Article	IF	Citations
1	Trapping precursor-level functionalities in hierarchically porous carbons prepared by a pre-stabilization route for superior supercapacitors. Chinese Chemical Letters, 2023, 34, 107304.	9.0	31
2	High-energy aqueous supercapacitors enabled by N/O codoped carbon nanosheets and â€œwater-in-saltâ€• electrolyte. Chinese Chemical Letters, 2022, 33, 2681-2686.	9.0	50
3	In situ nanoarchitecturing of conjugated polyamide network-derived carbon cathodes toward high energy-power Zn-ion capacitors. Journal of Materials Chemistry A, 2022, 10, 611-621.	10.3	117
4	Electrocatalytic ammonia synthesis catalyzed by mesoporous nickel oxide nanosheets loaded with Pt nanoparticles. Chinese Journal of Catalysis, 2022, 43, 1371-1378.	14.0	18
5	Kinetics-driven design of 3D VN/MXene composite structure for superior zinc storage and charge transfer. Journal of Power Sources, 2022, 536, 231512.	7.8	47
6	Spatial Confinement Strategy for Micelle-Size-Mediated Modulation of Mesopores in Hierarchical Porous Carbon Nanosheets with an Efficient Capacitive Response. ACS Applied Materials & Interfaces, 2022, 14, 33328-33339.	8.0	73
7	Catalyst-free synthesis of phenolic-resin-based carbon nanospheres for simultaneous electrochemical detection of Cu (II) and Hg (II). Diamond and Related Materials, 2021, 111, 108170.	3.9	26
8	Emulsion-template synthesis of mesoporous nickel oxide nanoflowers composed of crossed nanosheets for effective nitrogen reduction. Dalton Transactions, 2021, 50, 5835-5844.	3.3	24
9	Boron â€œgluingâ€•nitrogen heteroatoms in a prepolymerized ionic liquid-based carbon scaffold for durable supercapacitive activity. Journal of Materials Chemistry A, 2021, 9, 2714-2724.	10.3	67
10	Enhancement of photocurrent by incorporation of Preyssler type polyoxometalate protected nanoparticles in polyporphyrin films. Chemical Communications, 2021, 57, 1482-1485.	4.1	4
11	Porous carbon globules with moss-like surfaces from semi-biomass interpenetrating polymer network for efficient charge storage. Chinese Chemical Letters, 2021, 32, 3811-3816.	9.0	38
12	Adapting a Kinetics-Enhanced Carbon Nanostructure to Li/Na Hybrid Water-in-Salt Electrolyte for High-Energy Aqueous Supercapacitors. ACS Applied Energy Materials, 2021, 4, 5727-5737.	5.1	57
13	Facile construction of highly redox active carbons with regular micropores and rod-like morphology towards high-energy supercapacitors. Materials Chemistry Frontiers, 2021, 5, 3061-3072.	5.9	69
14	Selfâ€Assembled Carbon Superstructures Achieving Ultraâ€Stable and Fast Protonâ€Coupled Charge Storage Kinetics. Advanced Materials, 2021, 33, e2104148.	21.0	174
15	Water-in-salt electrolyte ion-matched N/O codoped porous carbons for high-performance supercapacitors. Chinese Chemical Letters, 2020, 31, 579-582.	9.0	39
16	Improving the pore-ion size compatibility between poly(ionic liquid)-derived carbons and high-voltage electrolytes for high energy-power supercapacitors. Chemical Engineering Journal, 2020, 382, 122945.	12.7	81
17	Carbon hydrangeas with typical ionic liquid matched pores for advanced supercapacitors. Carbon, 2020, 168, 499-507.	10.3	110
18	Core-shell hierarchical porous carbon spheres with N/O doping for efficient energy storage. Electrochimica Acta, 2020, 358, 136899.	5.2	90

#	Article	IF	Citations
19	An Efficient Electrochromic Supercapacitor Based on Solutionâ€Processable Nanoporous Poly{tris[4â€(3,4â€ethylenedioxythiophene)phenyl]amine}. ChemSusChem, 2020, 13, 3844-3854.	6.8	12
20	Fluorinated Oleophilic Electrochromic Copolymer Based on 3â€(Nâ€Trifluoroacetamido)thiophene and 3,4â€Ethylenedioxythiophene (EDOT). ChemElectroChem, 2020, 7, 3038-3043.	3.4	5
21	Highly active N, O-doped hierarchical porous carbons for high-energy supercapacitors. Chinese Chemical Letters, 2020, 31, 1226-1230.	9.0	78
22	A universal strategy to obtain highly redox-active porous carbons for efficient energy storage. Journal of Materials Chemistry A, 2020, 8, 3717-3725.	10.3	79
23	Hydrangea-like N/O codoped porous carbons for high-energy supercapacitors. Chemical Engineering Journal, 2020, 388, 124208.	12.7	75
24	Recycling Ironâ€Containing Sludges from the Electroflocculation of Printing and Dyeing Wastewater into Anode Materials for Lithiumâ€Ion Batteries. ChemSusChem, 2020, 13, 3469-3478.	6.8	6
25	Deep-eutectic-solvent synthesis of N/O self-doped hollow carbon nanorods for efficient energy storage. Chemical Communications, 2019, 55, 11219-11222.	4.1	101
26	Synergistic design of aÂN, O co-doped honeycomb carbon electrode and an ionogel electrolyte enabling all-solid-state supercapacitors with an ultrahigh energy density. Journal of Materials Chemistry A, 2019, 7, 816-826.	10.3	134
27	Ultrahigh energy density of aÂN, O codoped carbon nanosphere based all-solid-state symmetric supercapacitor. Journal of Materials Chemistry A, 2019, 7, 1177-1186.	10.3	188
28	Ternary-doped carbon electrodes for advanced aqueous solid-state supercapacitors based on a â€œwater-in-saltâ€•gel electrolyte. Journal of Materials Chemistry A, 2019, 7, 15801-15811.	10.3	130
29	High-energy flexible solid-state supercapacitors based on O, N, S-tridoped carbon electrodes and a 3.5â€V gel-type electrolyte. Chemical Engineering Journal, 2019, 372, 1216-1225.	12.7	103
30	Template-Free, Self-Doped Approach to Porous Carbon Spheres with High N/O Contents for High-Performance Supercapacitors. ACS Sustainable Chemistry and Engineering, 2019, 7, 7024-7034.	6.7	147
31	From interpenetrating polymer networks to hierarchical porous carbons for advanced supercapacitor electrodes. Chinese Chemical Letters, 2019, 30, 1445-1449.	9.0	58
32	Ultramicroporous carbon nanoparticles derived from metalâ€“organic framework nanoparticles for high-performance supercapacitors. Materials Chemistry and Physics, 2018, 211, 234-241.	4.0	68
33	Cooking carbon with protic salt: Nitrogen and sulfur self-doped porous carbon nanosheets for supercapacitors. Chemical Engineering Journal, 2018, 347, 233-242.	12.7	160
34	N, S Co-doped hierarchical porous carbon rods derived from protic salt: Facile synthesis for high energy density supercapacitors. Electrochimica Acta, 2018, 274, 378-388.	5.2	105
35	Conjugated hybrid films based on a new polyoxotitanate monomer. Chemical Communications, 2018, 54, 14132-14135.	4.1	14
36	Fine Tuning Electronic Structure of Catalysts through Atomic Engineering for Enhanced Hydrogen Evolution. Advanced Energy Materials, 2018, 8, 1800789.	19.5	59

#	Article	IF	Citations
37	Nitrogen-Enriched Hollow Porous Carbon Nanospheres with Tailored Morphology and Microstructure for All-Solid-State Symmetric Supercapacitors. ACS Applied Energy Materials, 2018, 1, 4293-4303.	5.1	72
38	Schiff-Base/Resin Copolymer under Hypersaline Condition to High-Level N-Doped Porous Carbon Nanosheets for Supercapacitors. ACS Applied Nano Materials, 2018, 1, 4998-5007.	5.0	63
39	Design of carbon materials with ultramicro-, supermicro- and mesopores using solvent- and self-template strategy for supercapacitors. Microporous and Mesoporous Materials, 2017, 253, 1-9.	4.4	91
40	Surface modification by graphene oxide: An efficient strategy to improve the performance of activated carbon based supercapacitors. Chinese Chemical Letters, 2017, 28, 2285-2289.	9.0	10
41	An integrated electrochromic supercapacitor based on nanostructured Er-containing titania using an Er(<scp>iii</scp>)-doped polyoxotitanate cage. Inorganic Chemistry Frontiers, 2016, 3, 1119-1123.	6.0	36
42	Novel Eu-containing titania composites derived from a new Eu(<scp>iii</scp>)-doped polyoxotitanate cage. RSC Advances, 2016, 6, 57-60.	3.6	21
43	Crystal structure of dibromidotetrakis(propan-2-ol-ÎºO)nickel(II). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, m263-m264.	0.5	0
44	From a polyoxotitanium cage to TiO₂/C composites, a novel strategy for nanoporous materials. Journal of Materials Chemistry A, 2015, 3, 1837-1840.	10.3	10
45	Polymorphic crystals and their luminescence switching of triphenylacrylonitrile derivatives upon solvent vapour, mechanical, and thermal stimuli. Journal of Materials Chemistry C, 2015, 3, 3049-3054.	5.5	79
46	A novel ferrocene-containing aniline copolymer: its synthesis and electrochemical performance. RSC Advances, 2015, 5, 14053-14060.	3.6	20
47	Enhanced electrochromic switching speed and electrochemical stability of conducting polymer film on an ionic liquid functionalized ITO electrode. New Journal of Chemistry, 2015, 39, 5329-5335.	2.8	18
48	A study of the optical properties of metal-doped polyoxotitanium cages and the relationship to metal-doped titania. Dalton Transactions, 2014, 43, 8679.	3.3	33
49	A low-temperature single-source route to an efficient broad-band cerium(iii) photocatalyst using a bimetallic polyoxotitanium cage. RSC Advances, 2013, 3, 13659.	3.6	27
50	Formation of Ti₂₈Ln Cages, the Highest Nuclearity Polyoxotitanates (Ln=La, Ce). Chemistry - A European Journal, 2012, 18, 11867-11870.	3.3	56
51	Encapsulation of a â€˜nakedâ€™ Brâ¯ anion in a polyoxotitanate host. Chemical Science, 2012, 3, 2470.	7.4	52
52	A self-template synthesis of hierarchical porous carbon foams based on banana peel for supercapacitor electrodes. Journal of Power Sources, 2012, 209, 152-157.	7.8	425
53	Synthesis of Sodium-vanadate-doped Ordered Mesoporous Carbon Foams as Capacitor Electrode Materials. Chemistry Letters, 2011, 40, 236-238.	1.3	11