# Yaokang Lv

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 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 | 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 |
| 2 | 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 |
| 3 | Selfâ€Assembled Carbon Superstructures Achieving Ultraâ€Stable and Fast Protonâ€Coupled Charge Storage Kinetics. Advanced Materials, 2021, 33, e2104148. | 21.0 | 174 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Carbon hydrangeas with typical ionic liquid matched pores for advanced supercapacitors. Carbon, 2020, 168, 499-507. | 10.3 | 110 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | Core-shell hierarchical porous carbon spheres with N/O doping for efficient energy storage. Electrochimica Acta, 2020, 358, 136899. | 5.2 | 90 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | Highly active N, O-doped hierarchical porous carbons for high-energy supercapacitors. Chinese Chemical Letters, 2020, 31, 1226-1230. | 9.0 | 78 |

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|---|---|---|---|
| 19 | Hydrangea-like N/O codoped porous carbons for high-energy supercapacitors. Chemical Engineering Journal, 2020, 388, 124208. | 12.7 | 75 |
| 20 | 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 |
| 21 | 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 |
| 22 | 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 |
| 23 | Ultramicroporous carbon nanoparticles derived from metalâ€“organic framework nanoparticles for high-performance supercapacitors. Materials Chemistry and Physics, 2018, 211, 234-241. | 4.0 | 68 |
| 24 | 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 |
| 25 | 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 |
| 26 | Fine Tuning Electronic Structure of Catalysts through Atomic Engineering for Enhanced Hydrogen Evolution. Advanced Energy Materials, 2018, 8, 1800789. | 19.5 | 59 |
| 27 | From interpenetrating polymer networks to hierarchical porous carbons for advanced supercapacitor electrodes. Chinese Chemical Letters, 2019, 30, 1445-1449. | 9.0 | 58 |
| 28 | 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 |
| 29 | Formation of Ti<sub>28</sub>Ln Cages, the Highest Nuclearity Polyoxotitanates (Ln=La, Ce). Chemistry - A European Journal, 2012, 18, 11867-11870. | 3.3 | 56 |
| 30 | Encapsulation of a â€˜nakedâ€™ Brâ¯ anion in a polyoxotitanate host. Chemical Science, 2012, 3, 2470. | 7.4 | 52 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|---|---|---|---|
| 37 | 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 |
| 38 | 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 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | A novel ferrocene-containing aniline copolymer: its synthesis and electrochemical performance. RSC Advances, 2015, 5, 14053-14060. | 3.6 | 20 |
| 43 | 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 |
| 44 | Electrocatalytic ammonia synthesis catalyzed by mesoporous nickel oxide nanosheets loaded with Pt nanoparticles. Chinese Journal of Catalysis, 2022, 43, 1371-1378. | 14.0 | 18 |
| 45 | Conjugated hybrid films based on a new polyoxotitanate monomer. Chemical Communications, 2018, 54, 14132-14135. | 4.1 | 14 |
| 46 | 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 |
| 47 | Synthesis of Sodium-vanadate-doped Ordered Mesoporous Carbon Foams as Capacitor Electrode Materials. Chemistry Letters, 2011, 40, 236-238. | 1.3 | 11 |
| 48 | From a polyoxotitanium cage to TiO<sub>2</sub>/C composites, a novel strategy for nanoporous materials. Journal of Materials Chemistry A, 2015, 3, 1837-1840. | 10.3 | 10 |
| 49 | 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 |
| 50 | 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 |
| 51 | Fluorinated Oleophilic Electrochromic Copolymer Based on 3â€(Nâ€Trifluoroacetamido)thiophene and 3,4â€Ethylenedioxythiophene (EDOT). ChemElectroChem, 2020, 7, 3038-3043. | 3.4 | 5 |
| 52 | Enhancement of photocurrent by incorporation of Preyssler type polyoxometalate protected nanoparticles in polyporphyrin films. Chemical Communications, 2021, 57, 1482-1485. | 4.1 | 4 |
| 53 | Crystal structure of dibromidotetrakis(propan-2-ol-ÎºO)nickel(II). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, m263-m264. | 0.5 | 0 |