

Hongbo Geng

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1835528/hongbo-geng-publications-by-citations.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

51
papers

1,246
citations

17
h-index

34
g-index

61
ext. papers

1,879
ext. citations

9.4
avg, IF

5.08
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 51 | Tuning the Kinetics of Zinc-Ion Insertion/Extraction in V ₂ O ₅ by In Situ Polyaniline Intercalation Enables Improved Aqueous Zinc-Ion Storage Performance. <i>Advanced Materials</i> , 2020 , 32, e2001113 | 24 | 158 |
| 50 | Electronic Structure Regulation of Layered Vanadium Oxide via Interlayer Doping Strategy toward Superior High-Rate and Low-Temperature Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1907684 | 15.6 | 131 |
| 49 | Co S /MoS ₂ Yolk-Shell Spheres for Advanced Li/Na Storage. <i>Small</i> , 2017 , 13, 1603490 | 11 | 127 |
| 48 | Persistent zinc-ion storage in mass-produced V ₂ O ₅ architectures. <i>Nano Energy</i> , 2019 , 60, 171-178 | 17.1 | 98 |
| 47 | Boosting Transport Kinetics of Cobalt Sulfides Yolk-Shell Spheres by Anion Doping for Advanced Lithium and Sodium Storage. <i>ChemSusChem</i> , 2020 , 13, 4078-4085 | 8.3 | 77 |
| 46 | Synergistically Tuning Electronic Structure of Porous [Mo ₂ C] Spheres by Co Doping and Mo-Vacancies Defect Engineering for Optimizing Hydrogen Evolution Reaction Activity. <i>Advanced Functional Materials</i> , 2020 , 30, 2000561 | 15.6 | 68 |
| 45 | Nanostructured Li V (PO ₄) ₃ Cathodes. <i>Small</i> , 2018 , 14, e1800567 | 11 | 65 |
| 44 | Vinyl Ethylene Carbonate as an Effective SEI-Forming Additive in Carbonate-Based Electrolyte for Lithium-Metal Anodes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6118-6125 | 9.5 | 51 |
| 43 | Achieving Ultrahigh-Rate and High-Safety Li Storage Based on Interconnected Tunnel Structure in Micro-Size Niobium Tungsten Oxides. <i>Advanced Materials</i> , 2020 , 32, e1905295 | 24 | 47 |
| 42 | Topotactic Transformation Synthesis of 2D Ultrathin GeS Nanosheets toward High-Rate and High-Energy-Density Sodium-Ion Half/Full Batteries. <i>ACS Nano</i> , 2020 , 14, 531-540 | 16.7 | 41 |
| 41 | Highly Dispersive MoP Nanoparticles Anchored on Reduced Graphene Oxide Nanosheets for an Efficient Hydrogen Evolution Reaction Electrocatalyst. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26258-26263 | 9.5 | 37 |
| 40 | Tuning the electronic structure of layered vanadium pentoxide by pre-intercalation of potassium ions for superior room/low-temperature aqueous zinc-ion batteries. <i>Nanoscale</i> , 2021 , 13, 2399-2407 | 7.7 | 32 |
| 39 | Carbon intercalated porous NaTi ₂ (PO ₄) ₃ spheres as high-rate and ultralong-life anodes for rechargeable sodium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 1435-1440 | 7.8 | 31 |
| 38 | Interlayer Engineering of Molybdenum Trioxide toward High-Capacity and Stable Sodium Ion Half/Full Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 2001708 | 15.6 | 29 |
| 37 | Rational synthesis of graphene-encapsulated uniform MnMoO ₄ hollow spheres as long-life and high-rate anodes for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2018 , 524, 256-262 | 9.3 | 26 |
| 36 | Amorphous Bimetallic Oxides Fe-V-O with Tunable Compositions toward Rechargeable Zn-Ion Batteries with Excellent Low-Temperature Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 11753-11760 | 9.5 | 21 |
| 35 | Optimization of the Hydrogen-Adsorption Free Energy of Ru-Based Catalysts towards High-Efficiency Hydrogen Evolution Reaction at all pH. <i>Chemistry - A European Journal</i> , 2019 , 25, 8579-8584 | 4.8 | 17 |

| | | | |
|----|--|------|----|
| 34 | Synthesis of graphene wrapped porous CoMoO ₄ nanospheres as high-performance anodes for rechargeable lithium-ion batteries. <i>RSC Advances</i> , 2017 , 7, 51506-51511 | 3.7 | 17 |
| 33 | Three-Dimensional Graphene/Ag Aerogel for Durable and Stable Li Metal Anodes in Carbonate-Based Electrolytes. <i>Chemistry - A European Journal</i> , 2019 , 25, 5036-5042 | 4.8 | 15 |
| 32 | Metal-Oleate Complex-Derived Bimetallic Oxides Nanoparticles Encapsulated in 3D Graphene Networks as Anodes for Efficient Lithium Storage with Pseudocapacitance. <i>Nano-Micro Letters</i> , 2019 , 11, 15 | 19.5 | 13 |
| 31 | Double-Layer N,S-Codoped Carbon Protection of MnS Nanoparticles Enabling Ultralong-Life and High-Rate Lithium Ion Storage. <i>ACS Applied Energy Materials</i> , 2018 , 1, 4867-4873 | 6.1 | 12 |
| 30 | Interface and structure engineering of bimetallic selenides toward high-performance sodium-ion half/full batteries. <i>Journal of Power Sources</i> , 2021 , 506, 230216 | 8.9 | 12 |
| 29 | Phosphorus-Doping-Induced Surface Vacancies of 3D Na Ti O Nanowire Arrays Enabling High-Rate and Long-Life Sodium Storage. <i>Chemistry - A European Journal</i> , 2019 , 25, 14881-14889 | 4.8 | 11 |
| 28 | Deep Insight into Electrochemical Kinetics of Cowpea-Like Li ₃ VO ₄ @C Nanowires as High-Rate Anode Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , 2019 , 6, 3920-3927 | 4.3 | 9 |
| 27 | In situ construction of active interfaces towards improved high-rate performance of CoSe ₂ . <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14582-14592 | 13 | 9 |
| 26 | SbPS ₄ : A novel anode for high-performance sodium-ion batteries. <i>Chinese Chemical Letters</i> , 2021 , 33, 470-470 | 8.1 | 8 |
| 25 | Advanced water splitting electrocatalysts via the design of multicomponent heterostructures. <i>Dalton Transactions</i> , 2020 , 49, 2761-2765 | 4.3 | 7 |
| 24 | Precursor-Based Synthesis of Porous Colloidal Particles towards Highly Efficient Catalysts. <i>Chemistry - A European Journal</i> , 2018 , 24, 10280-10290 | 4.8 | 7 |
| 23 | Two-Dimensional Germanium Sulfide Nanosheets as an Ultra-Stable and High Capacity Anode for Lithium Ion Batteries. <i>Chemistry - A European Journal</i> , 2020 , 26, 6554-6560 | 4.8 | 7 |
| 22 | Vanadium-based metal-organic frameworks and their derivatives for electrochemical energy conversion and storage. <i>SmartMat</i> , | 22.8 | 6 |
| 21 | The ultrasonic-assisted growth of porous cobalt/nickel composite hydroxides as a super high-energy and stable cathode for aqueous zinc batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17741-17746 | 13 | 6 |
| 20 | Enhanced Zn ²⁺ transfer dynamics via a 3D bird nest-like VO ₂ /MXene heterojunction for ultrahigh-rate aqueous zinc-ion batteries. <i>Journal of Power Sources</i> , 2022 , 520, 230872 | 8.9 | 5 |
| 19 | Suppressing vanadium dissolution of VO polyethylene glycol intercalation towards ultralong lifetime room/low-temperature zinc-ion batteries. <i>Nanoscale</i> , 2021 , 13, 17040-17048 | 7.7 | 5 |
| 18 | Phase and interface engineering of nickel carbide nanobranches for efficient hydrogen oxidation catalysis. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 26323-26329 | 13 | 4 |
| 17 | Sustainable development of graphitic carbon nanosheets from plastic wastes with efficient photothermal energy conversion for enhanced solar evaporation. <i>Journal of Materials Chemistry A</i> , | 13 | 4 |

| | | | |
|----|---|-------|---|
| 16 | Kinetics modulation of titanium niobium oxide via hierarchical MXene coating for high-rate and high-energy density lithium-ion half/full batteries. <i>Applied Surface Science</i> , 2022 , 576, 151890 | 6.7 | 3 |
| 15 | Achieving superior high-temperature sodium storage performance in a layered potassium vanadate. <i>Science China Materials</i> , 1 | 7.1 | 3 |
| 14 | Lithium-Ion Batteries: Nanostructured Li ₃ V ₂ (PO ₄) ₃ Cathodes (Small 21/2018). <i>Small</i> , 2018 , 14, 1870095 | 11 | 3 |
| 13 | Constructing electronic interconnected bimetallic selenide-filled porous carbon nanosheets for stable and highly efficient sodium-ion half/full batteries. <i>Nanoscale</i> , 2021 , 13, 18578-18585 | 7.7 | 2 |
| 12 | Enhancing Li-Ion Affinity of Molybdenum Dioxide/Carbon Fabric to Achieve High Pseudocapacitance. <i>Small</i> , 2021 , 17, e2104178 | 11 | 2 |
| 11 | Interfacial Kinetics Regulation of MoS ₂ /Cu ₂ Se Nanosheets toward Superior High-Rate and Ultralong-Lifespan Sodium-Ion Half/Full Batteries. <i>ChemSusChem</i> , 2021 , 14, 5304-5310 | 8.3 | 2 |
| 10 | Stable bismuth phosphosulfide nanoparticle encapsulation into hollow multi-channel carbon nanofibers toward high performance sodium storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 17336-17343 | 13.43 | 2 |
| 9 | Hierarchical Nanotubes Constructed by CoS ₂ /MoS ₂ Ultrathin Nanosheets Wrapped with Reduced Graphene Oxide for Advanced Lithium Storage. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 170-176 | 4.5 | 2 |
| 8 | Pseudocapacitance-boosted ultrafast and stable Na-storage in NiTe coupled with N-doped carbon nanosheets for advanced sodium-ion half/full batteries. <i>Dalton Transactions</i> , 2021 , 50, 17241-17248 | 4.3 | 1 |
| 7 | The Efficient K Ion Storage of M ₂ P ₂ O ₇ /C (M=Fe, Co, Ni) Anode Derived from Organic-Inorganic Phosphate Precursors. <i>Chemistry - A European Journal</i> , 2021 , 27, 9031-9037 | 4.8 | 1 |
| 6 | Uniform Li Plating/Stripping within Ni Macropore Arrays Enabled by Regulated Electric Field Distribution for Ultra-Stable Li-Metal Anodes. <i>iScience</i> , 2020 , 23, 101089 | 6.1 | 1 |
| 5 | Modulating the kinetics of CoSe ₂ yolk-shell spheres via nitrogen doping with high pseudocapacitance toward ultra-high-rate capability and high-energy density sodium-ion half/full batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 6873-6882 | 7.8 | 1 |
| 4 | Microspherical copper tetrathiovanadate with stable binding site as ultra-rate and extended longevity anode for sodium-ion half/full batteries. <i>Chemical Engineering Journal</i> , 2022 , 136772 | 14.7 | 1 |
| 3 | Modulation of MoS ₂ interlayer dynamics by N-doped carbon intercalation for high-rate sodium-ion half/full batteries. <i>Nanoscale</i> , 2021 , 13, 18322-18331 | 7.7 | 0 |
| 2 | Interfacial electron modulation of MoS ₂ /black phosphorus heterostructure toward high-rate and high-energy density half/full sodium-ion batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 6639-6647 | 7.8 | 0 |
| 1 | Phosphorus-carbon covalent bond induced kinetics modulation of vanadium diphosphide for room- and high-temperature sodium-ion batteries. <i>New Journal of Chemistry</i> , 2022 , 46, 5948-5953 | 3.6 | |