

Jiashen Meng

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/10554400/jiashen-meng-publications-by-year.pdf>

Version: 2024-04-10

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.

81 papers	5,199 citations	37 h-index	71 g-index
87 ext. papers	6,810 ext. citations	15 avg, IF	6.03 L-index

#	Paper	IF	Citations
81	Triple-synergistic MOF-nanozyme for efficient antibacterial treatment.. <i>Bioactive Materials</i> , 2022 , 17, 289-299	16.7	7
80	Ligand Modulation of Active Sites to Promote Electrocatalytic Oxygen Evolution.. <i>Advanced Materials</i> , 2022 , e2200270	24	16
79	Suppressing the Jahn-Teller Effect in Mn-Based Layered Oxide Cathode toward Long-Life Potassium-Ion Batteries. <i>Advanced Functional Materials</i> , 2022 , 32, 2108244	15.6	5
78	Atomic Sn-enabled high-utilization, large-capacity, and long-life Na anode.. <i>Science Advances</i> , 2022 , 8, eabm7489	14.3	4
77	Ganoderma Lucidum-derived erythrocyte-like sustainable materials. <i>Carbon</i> , 2022 , 196, 70-77	10.4	2
76	Coordination engineering of metal single atom on carbon for enhanced and robust potassium storage. <i>Matter</i> , 2021 ,	12.7	14
75	Ligand and Anion Co-Leaching Induced Complete Reconstruction of Polyoxomolybdate-Organic Complex Oxygen-Evolving Pre-Catalysts. <i>Advanced Functional Materials</i> , 2021 , 31, 2101792	15.6	10
74	Comprehensive Understandings into Complete Reconstruction of Precatalysts: Synthesis, Applications, and Characterizations. <i>Advanced Materials</i> , 2021 , 33, e2007344	24	70
73	Comprehensive Insights into Electrolytes and Solid Electrolyte Interfaces in Potassium-Ion Batteries. <i>Energy Storage Materials</i> , 2021 , 38, 30-49	19.4	23
72	Niobium oxyphosphate nanosheet assembled two-dimensional anode material for enhanced lithium storage. <i>Journal of Energy Chemistry</i> , 2021 , 53, 268-275	12	5
71	Scalable fabrication and active site identification of MOF shell-derived nitrogen-doped carbon hollow frameworks for oxygen reduction. <i>Journal of Materials Science and Technology</i> , 2021 , 66, 186-192	9.1	16
70	Insights into the storage mechanism of VS ₄ nanowire clusters in aluminum-ion battery. <i>Nano Energy</i> , 2021 , 79, 105384	17.1	28
69	Comprehensive understanding of the roles of water molecules in aqueous Zn-ion batteries: from electrolytes to electrode materials. <i>Energy and Environmental Science</i> , 2021 , 14, 3796-3839	35.4	53
68	Supramolecule Cucurbituril Subnanoporous Carbon Supercapacitor (SCSCS). <i>Nano Letters</i> , 2021 , 21, 2156-2164	21.64	12
67	A Stable CaV ₄ O ₉ Anode Promises Near-Zero Volume Change and High-Capacity Lithium Storage. <i>Advanced Energy Materials</i> , 2021 , 11, 2003612	21.8	5
66	2D MOF Periodontitis Photodynamic Ion Therapy. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15427-15439	16.4	36
65	Complete Reconstruction of Hydrate Pre-Catalysts for Ultrastable Water Electrolysis in Industrial-Concentration Alkali Media. <i>Cell Reports Physical Science</i> , 2020 , 1, 100241	6.1	42

64	Universal Approach to Fabricating Graphene-Supported Single-Atom Catalysts from Doped ZnO Solid Solutions. <i>ACS Central Science</i> , 2020 , 6, 1431-1440	16.8	42
63	Ultra-fast and high-stable near-pseudocapacitance intercalation cathode for aqueous potassium-ion storage. <i>Nano Energy</i> , 2020 , 77, 105069	17.1	15
62	Engineering Mesoporous Structure in Amorphous Carbon Boosts Potassium Storage with High Initial Coulombic Efficiency. <i>Nano-Micro Letters</i> , 2020 , 12, 148	19.5	36
61	Ternary TiO/SiO@C nanocomposite derived from a novel titanium-silicon MOF for high-capacity and stable lithium storage. <i>Chemical Communications</i> , 2020 , 56, 2751-2754	5.8	6
60	Novel layered K _{0.7} Mn _{0.7} Ni _{0.3} O ₂ cathode material with enlarged diffusion channels for high energy density sodium-ion batteries. <i>Science China Materials</i> , 2020 , 63, 1163-1170	7.1	7
59	A robust electrospun separator modified with in situ grown metal-organic frameworks for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , 2020 , 395, 124979	14.7	38
58	Advances in metal-organic framework coatings: versatile synthesis and broad applications. <i>Chemical Society Reviews</i> , 2020 , 49, 3142-3186	58.5	167
57	Stabilizing conversion reaction electrodes by MOF derived N-doped carbon shell for highly reversible lithium storage. <i>Nano Energy</i> , 2020 , 73, 104758	17.1	15
56	Ultrafast cation insertion-selected zinc hexacyanoferrate for 1.9 V K ⁺ /Zn hybrid aqueous batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 6631-6637	13	32
55	Vanadium-Based Nanomaterials: A Promising Family for Emerging Metal-Ion Batteries. <i>Advanced Functional Materials</i> , 2020 , 30, 1904398	15.6	123
54	Interwoven Nanowire Based On-Chip Asymmetric Microsupercapacitor with High Integrability, Areal Energy, and Power Density. <i>Advanced Energy Materials</i> , 2020 , 10, 2001873	21.8	18
53	A "MOFs plus ZIFs" Strategy toward Ultrafine Co Nanodots Confined into Superficial N-Doped Carbon Nanowires for Efficient Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 54545-54552	9.5	6
52	K ⁺ modulated K ⁺ /vacancy disordered layered oxide for high-rate and high-capacity potassium-ion batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 3129-3137	35.4	36
51	Introduce Tortuosity to Retain Polysulfides and Suppress Li Dendrites. <i>Matter</i> , 2020 , 2, 1363-1365	12.7	2
50	Origin of the extra capacity in nitrogen-doped porous carbon nanofibers for high-performance potassium ion batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18079-18086	13	25
49	Reconstruction-Determined Alkaline Water Electrolysis at Industrial Temperatures. <i>Advanced Materials</i> , 2020 , 32, e2001136	24	67
48	Insights into the Storage Mechanism of Layered VS ₂ Cathode in Alkali Metal-Ion Batteries. <i>Advanced Energy Materials</i> , 2020 , 10, 1904118	21.8	30
47	Deep Reconstruction of Nickel-Based Precatalysts for Water Oxidation Catalysis. <i>ACS Energy Letters</i> , 2019 , 4, 2585-2592	20.1	69

46	Upraising the O 2p Orbital by Integrating Ni with MoO ₂ for Accelerating Hydrogen Evolution Kinetics. <i>ACS Catalysis</i> , 2019 , 9, 2275-2285	13.1	103
45	Boosting oxygen reduction activity with low-temperature derived high-loading atomic cobalt on nitrogen-doped graphene for efficient Zn-air batteries. <i>Chemical Communications</i> , 2019 , 55, 334-337	5.8	25
44	Uniform zeolitic imidazolate framework coating via in situ recoordination for efficient polysulfide trapping. <i>Energy Storage Materials</i> , 2019 , 23, 55-61	19.4	24
43	A Novel Dendrite-Free Mn ²⁺ /Zn ²⁺ Hybrid Battery with 2.3 V Voltage Window and 11000-Cycle Lifespan. <i>Advanced Energy Materials</i> , 2019 , 9, 1901469	21.8	102
42	Realizing Superior Prussian Blue Positive Electrode for Potassium Storage via Ultrathin Nanosheet Assembly. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 11564-11570	8.3	59
41	Self-smoothing anode for achieving high-energy lithium metal batteries under realistic conditions. <i>Nature Nanotechnology</i> , 2019 , 14, 594-601	28.7	300
40	Identification of Phase Control of Carbon-Confined Nb ₂ O ₅ Nanoparticles toward High-Performance Lithium Storage. <i>Advanced Energy Materials</i> , 2019 , 9, 1802695	21.8	88
39	Multicomponent Hierarchical Cu-Doped NiCo-LDH/CuO Double Arrays for Ultralong-Life Hybrid Fiber Supercapacitor. <i>Advanced Functional Materials</i> , 2019 , 29, 1809004	15.6	182
38	On-Chip Ni ₂ Zn Microbattery Based on Hierarchical Ordered Porous Ni@Ni(OH) ₂ Microelectrode with Ultrafast Ion and Electron Transport Kinetics. <i>Advanced Functional Materials</i> , 2019 , 29, 1808470	15.6	56
37	Scalable microfabrication of three-dimensional porous interconnected graphene scaffolds with carbon spheres for high-performance all carbon-based micro-supercapacitors. <i>Journal of Materiomics</i> , 2019 , 5, 303-312	6.7	11
36	Low-Crystalline Bimetallic Metal-Organic Framework Electrocatalysts with Rich Active Sites for Oxygen Evolution. <i>ACS Energy Letters</i> , 2019 , 4, 285-292	20.1	150
35	Three-dimensional carbon network confined antimony nanoparticle anodes for high-capacity K-ion batteries. <i>Nanoscale</i> , 2018 , 10, 6820-6826	7.7	89
34	3.0 V High Energy Density Symmetric Sodium-Ion Battery: NaV(PO) ₄ NaV(PO) ₄ . <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 10022-10028	9.5	56
33	One-Dimensional Hetero-Nanostructures for Rechargeable Batteries. <i>Accounts of Chemical Research</i> , 2018 , 51, 950-959	24.3	66
32	A porous nickel cyclotetraphosphate nanosheet as a new acid-stable electrocatalyst for efficient hydrogen evolution. <i>Nanoscale</i> , 2018 , 10, 9856-9861	7.7	17
31	Facile template-free synthesis of uniform carbon-confined V ₂ O ₃ hollow spheres for stable and fast lithium storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 6220-6224	13	29
30	Finely Crafted 3D Electrodes for Dendrite-Free and High-Performance Flexible Fiber-Shaped Zn Co Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1802016	15.6	154
29	Realizing stable lithium and sodium storage with high areal capacity using novel nanosheet-assembled compact CaV ₄ O ₉ microflowers. <i>Nano Energy</i> , 2018 , 50, 606-614	17.1	37

28	Novel MOF shell-derived surface modification of Li-rich layered oxide cathode for enhanced lithium storage. <i>Science Bulletin</i> , 2018 , 63, 46-53	10.6	53
27	General oriented assembly of uniform carbon-confined metal oxide nanodots on graphene for stable and ultrafast lithium storage. <i>Materials Horizons</i> , 2018 , 5, 78-85	14.4	32
26	A Synergistic Na-Mn-O Composite Cathodes for High-Capacity Na-Ion Storage. <i>Advanced Energy Materials</i> , 2018 , 8, 1802180	21.8	15
25	Graphene oxide-wrapped dipotassium terephthalate hollow microrods for enhanced potassium storage. <i>Chemical Communications</i> , 2018 , 54, 11029-11032	5.8	25
24	Recent Advances in Nanowire-Based, Flexible, Freestanding Electrodes for Energy Storage. <i>Chemistry - A European Journal</i> , 2018 , 24, 18307-18321	4.8	26
23	General and precise carbon confinement of functional nanostructures derived from assembled metal-phenolic networks for enhanced lithium storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 18605-18614	13.6	9
22	Polyoxomolybdate-derived carbon-encapsulated multicomponent electrocatalysts for synergistically boosting hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17874-17881	13	23
21	Porous CaFeO as a promising lithium ion battery anode: a trade-off between high capacity and long-term stability. <i>Nanoscale</i> , 2018 , 10, 12963-12969	7.7	27
20	Interface-modulated fabrication of hierarchical yolk-shell Co ₃ O ₄ /C dodecahedrons as stable anodes for lithium and sodium storage. <i>Nano Research</i> , 2017 , 10, 2364-2376	10	91
19	Facile electrospinning formation of carbon-confined metal oxide cube-in-tube nanostructures for stable lithium storage. <i>Chemical Communications</i> , 2017 , 53, 8284-8287	5.8	30
18	General Oriented Formation of Carbon Nanotubes from Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8212-8221	16.4	598
17	Carbon-MEMS-Based Alternating Stacked MoS ₂ @rGO-CNT Micro-Supercapacitor with High Capacitance and Energy Density. <i>Small</i> , 2017 , 13, 1700639	11	90
16	New-type K _{0.7} Fe _{0.5} Mn _{0.5} O ₂ cathode with an expanded and stabilized interlayer structure for high-capacity sodium-ion batteries. <i>Nano Energy</i> , 2017 , 35, 71-78	17.1	47
15	Earth Abundant Fe/Mn-Based Layered Oxide Interconnected Nanowires for Advanced K-Ion Full Batteries. <i>Nano Letters</i> , 2017 , 17, 544-550	11.5	297
14	Advances in Structure and Property Optimizations of Battery Electrode Materials. <i>Joule</i> , 2017 , 1, 522-547	7.8	163
13	General Oriented Synthesis of Precise Carbon-Confined Nanostructures by Low-Pressure Vapor Superassembly and Controlled Pyrolysis. <i>Nano Letters</i> , 2017 , 17, 7773-7781	11.5	46
12	Solvent-Free Synthesis of Uniform MOF Shell-Derived Carbon Confined SnO ₂ /Co Nanocubes for Highly Reversible Lithium Storage. <i>Small</i> , 2017 , 13, 1701504	11	53
11	Interface-modulated approach toward multilevel metal oxide nanotubes for lithium-ion batteries and oxygen reduction reaction. <i>Nano Research</i> , 2016 , 9, 2445-2457	10	32

10	Gradient-temperature hydrothermal fabrication of hierarchical Zn ₂ SnO ₄ hollow boxes stimulated by thermodynamic phase transformation. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 14095-14100	13	18
9	Zinc Pyrovanadate Nanoplates Embedded in Graphene Networks with Enhanced Electrochemical Performance. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 2992-2999	3.9	38
8	Carbon-supported and nanosheet-assembled vanadium oxide microspheres for stable lithium-ion battery anodes. <i>Nano Research</i> , 2016 , 9, 128-138	10	57
7	Three dimensional V ₂ O ₅ /NaV ₆ O ₁₅ hierarchical heterostructures: Controlled synthesis and synergistic effect investigated by in situ X-ray diffraction. <i>Nano Energy</i> , 2016 , 27, 147-156	17.1	50
6	A synergistic effect between layer surface configurations and K ions of potassium vanadate nanowires for enhanced energy storage performance. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 4893-4899	13	54
5	Novel K ₃ V ₂ (PO ₄) ₃ /C Bundled Nanowires as Superior Sodium-Ion Battery Electrode with Ultrahigh Cycling Stability. <i>Advanced Energy Materials</i> , 2015 , 5, 1500716	21.8	140
4	General synthesis of complex nanotubes by gradient electrospinning and controlled pyrolysis. <i>Nature Communications</i> , 2015 , 6, 7402	17.4	320
3	VO ₂ nanowires assembled into hollow microspheres for high-rate and long-life lithium batteries. <i>Nano Letters</i> , 2014 , 14, 2873-8	11.5	210
2	Building carbon cloth-based dendrite-free potassium metal anodes for potassium metal pouch cells. <i>Journal of Materials Chemistry A</i> ,	13	5
1	Charge storage mechanisms of cathode materials in rechargeable aluminum batteries. <i>Science China Chemistry</i> , ¹	7.9	1