

Dongxiao Ji

List of Publications by Year in Descending Order

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

34
papers

2,317
citations

22
h-index

37
g-index

37
ext. papers

2,929
ext. citations

11.7
avg, IF

5.45
L-index

#	Paper	IF	Citations
34	Metal-Organic Framework Membranes: Advances, Fabrication, and Applications. <i>Small Structures</i> , 2022 , 3, 2100222	8.7	2
33	Coordinating chain crystallinity and orientation by tailoring electrical stretching for fabrication of super-tough and strong organic fibers. <i>Chemical Engineering Journal</i> , 2022 , 442, 136203	14.7	0
32	Tailoring body surface infrared radiation behavior through colored nanofibers for efficient passive radiative heating textiles. <i>Chemical Engineering Journal</i> , 2021 , 133093	14.7	5
31	Electrospun ultrafine fibers for advanced face masks. <i>Materials Science and Engineering Reports</i> , 2021 , 143, 100594	30.9	56
30	Facile and Scalable Electrospun Nanofiber-Based Alternative Current Electroluminescence (ACEL) Device. <i>ACS Applied Electronic Materials</i> , 2021 , 3, 267-276	4	5
29	Round-Trip Efficiency Enhancement of Hybrid Li-Air Battery Enables Efficient Power Generation from Low-Grade Waste Heat. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 18500-18505	8.3	3
28	A Humidity-Induced Nontemplating Route toward Hierarchical Porous Carbon Fiber Hybrid for Efficient Bifunctional Oxygen Catalysis. <i>Small</i> , 2020 , 16, e2001743	11	19
27	Engineering of the Heterointerface of Porous Carbon Nanofiber-Supported Nickel and Manganese Oxide Nanoparticle for Highly Efficient Bifunctional Oxygen Catalysis. <i>Advanced Functional Materials</i> , 2020 , 30, 1910568	15.6	60
26	The need for fully bio-based facemasks to counter coronavirus outbreaks: A perspective. <i>Science of the Total Environment</i> , 2020 , 736, 139611	10.2	89
25	Strong, lightweight, and highly conductive CNT/Au/Cu wires from sputtering and electroplating methods. <i>Journal of Materials Science and Technology</i> , 2020 , 40, 99-106	9.1	15
24	High-performance carbon fiber/gold/copper composite wires for lightweight electrical cables. <i>Journal of Materials Science and Technology</i> , 2020 , 42, 46-53	9.1	17
23	Addressing the worldwide shortages of face masks. <i>BMC Materials</i> , 2020 , 2, 9	6.7	23
22	Carbon-Based Alloy-Type Composite Anode Materials toward Sodium-Ion Batteries. <i>Small</i> , 2019 , 15, e1900628	10.628	30
21	Atomically Transition Metals on Self-Supported Porous Carbon Flake Arrays as Binder-Free Air Cathode for Wearable Zinc-Air Batteries. <i>Advanced Materials</i> , 2019 , 31, e1808267	24	265
20	The Kirkendall Effect for Engineering Oxygen Vacancy of Hollow Co ₃ O ₄ Nanoparticles toward High-Performance Portable Zinc-Air Batteries. <i>Angewandte Chemie</i> , 2019 , 131, 13978-13982	3.6	30
19	3D Printing of Highly Pure Copper. <i>Metals</i> , 2019 , 9, 756	2.3	74
18	The Kirkendall Effect for Engineering Oxygen Vacancy of Hollow Co O Nanoparticles toward High-Performance Portable Zinc-Air Batteries. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13840-13844	16.4	244

17	Hierarchical catalytic electrodes of cobalt-embedded carbon nanotube/carbon flakes arrays for flexible solid-state zinc-air batteries. <i>Carbon</i> , 2019 , 142, 379-387	10.4	82
16	Restriction of Molecular Rotors in Ultrathin Two-Dimensional Covalent Organic Framework Nanosheets for Sensing Signal Amplification. <i>Chemistry of Materials</i> , 2019 , 31, 146-160	9.6	75
15	Facile synthesis of electrospun C@NiO/Ni nanofibers as an electrocatalyst for hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 15217-15224	6.7	25
14	3-Dimensional MWCNT/CuO nanostructures use as an electrochemical catalyst for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , 2018 , 735, 2311-2317	5.7	19
13	One-dimensional Mg _x Ti _y O _{x+2y} nanostructures: General synthesis and enhanced photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018 , 225, 332-339	21.8	7
12	Necklace-like Multishelled Hollow Spinel Oxides with Oxygen Vacancies for Efficient Water Electrolysis. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13644-13653	16.4	288
11	Electronic and Defective Engineering of Electrospun CaMnO ₃ Nanotubes for Enhanced Oxygen Electrocatalysis in Rechargeable Zinc-Air Batteries. <i>Advanced Energy Materials</i> , 2018 , 8, 1800612	21.8	171
10	Cobalt nanoparticles encapsulated in carbon nanotube-grafted nitrogen and sulfur co-doped multichannel carbon fibers as efficient bifunctional oxygen electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4949-4961	13	101
9	Design of 3-Dimensional Hierarchical Architectures of Carbon and Highly Active Transition Metals (Fe, Co, Ni) as Bifunctional Oxygen Catalysts for Hybrid Lithium-Air Batteries. <i>Chemistry of Materials</i> , 2017 , 29, 1665-1675	9.6	91
8	Design and synthesis of porous channel-rich carbon nanofibers for self-standing oxygen reduction reaction and hydrogen evolution reaction bifunctional catalysts in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7507-7515	13	59
7	Thin MoS ₂ nanosheets grafted MOFs-derived porous Co ₉ S ₈ flakes grown on electrospun carbon nanofibers as self-supported bifunctional catalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23898-23908	13	98
6	In Situ Fabrication of Hierarchically Branched TiO Nanostructures: Enhanced Performance in Photocatalytic H Evolution and Li-Ion Batteries. <i>Small</i> , 2017 , 13, 1702357	11	19
5	Dual-Graphene Rechargeable Sodium Battery. <i>Small</i> , 2017 , 13, 1702449	11	53
4	Engineering Co ₉ S ₈ /WS ₂ array films as bifunctional electrocatalysts for efficient water splitting. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 23361-23368	13	88
3	Fabrication of MgTiO ₃ nanofibers by electrospinning and their photocatalytic water splitting activity. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 25882-25890	6.7	29
2	A novel approach for fabricating antibacterial nanofiber/cotton hybrid yarns. <i>Fibers and Polymers</i> , 2017 , 18, 987-992	2	13
1	Electrospun hollow nanofibers for advanced secondary batteries. <i>Nano Energy</i> , 2017 , 39, 111-139	17.1	147