

Yichun Ding

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

67
papers

2,496
citations

27
h-index

49
g-index

68
ext. papers

3,345
ext. citations

9.3
avg, IF

5.85
L-index

#	Paper	IF	Citations
67	Sub-1 nm MoC Quantum Dots Decorating N-Doped Graphene as Advanced Electrocatalysts of Flexible Hybrid Alkali-Acid Zn-Quinone Battery.. <i>Small</i> , 2022 , e2201144	11	0
66	Hierarchical Carbon/Metal Nanostructure with a Combination of 0D Nanoparticles, 1D Nanofibers, and 2D Nanosheets: An Efficient Bifunctional Catalyst for Zinc-Air Batteries. <i>ChemElectroChem</i> , 2021 , 8, 1107-1116	4.3	2
65	Tri-profit electrolysis for energy-efficient production of benzoic acid and H ₂ . <i>Journal of Energy Chemistry</i> , 2021 , 54, 30-35	12	4
64	High dielectric CsPbBr ₃ /rGO/polyimide composite prepared via in-situ conversion of fillers. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 12414-12423	2.1	3
63	Hybrid alkali-acid urea-nitrate fuel cell for degrading nitrogen-rich wastewater. <i>Applied Catalysis B: Environmental</i> , 2021 , 286, 119892	21.8	12
62	Electrochemical neutralization energy: from concept to devices. <i>Chemical Society Reviews</i> , 2021 , 50, 14958-151130	58.5	157
61	An Overview of Flexible Electrode Materials/Substrates for Flexible Electrochemical Energy Storage/Conversion Devices. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 606-619	2.3	8
60	Electrocatalysis for CO conversion: from fundamentals to value-added products. <i>Chemical Society Reviews</i> , 2021 , 50, 4993-5061	58.5	157
59	Defect-Rich MoO ₃ Nanobelt Cathode for a High-Performance Hybrid Alkali/Acid Zn-MoO ₃ Rechargeable Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 11524-11533	8.3	4
58	Co ₃ O ₄ @FeMoP on nickel foam as bifunctional electrocatalytic electrode for high-performance alkaline water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 32846-32857	6.7	2
57	Durable, self-healing superhydrophobic nanofibrous membrane with self-cleaning ability for highly-efficient oily wastewater purification. <i>Journal of Membrane Science</i> , 2021 , 634, 119402	9.6	35
56	Material and configuration design strategies towards flexible and wearable power supply devices: a review. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 8950-8965	13	13
55	Electrospun nanofibers for tactile sensors 2021 , 159-196		0
54	Three-birds-with-one-stone electrolysis for energy-efficiency production of gluconate and hydrogen. <i>Applied Catalysis B: Environmental</i> , 2020 , 277, 119178	21.8	25
53	Three-dimensional monolithic porous structures assembled from fragmented electrospun nanofiber mats/membranes: Methods, properties, and applications. <i>Progress in Materials Science</i> , 2020 , 112, 100656	42.2	45
52	Making polymer fibers strong and tough simultaneously. <i>Science China Materials</i> , 2020 , 63, 481-482	7.1	3
51	Design of Wireless Body Area Network with Motion Sensors Using New Materials. <i>Lecture Notes in Electrical Engineering</i> , 2020 , 707-717	0.2	

50	A review of smart electrospun fibers toward textiles. <i>Composites Communications</i> , 2020 , 22, 100506	6.7	50
49	High-Voltage Rechargeable Alkali-Acid Zn-PbO ₂ Hybrid Battery. <i>Angewandte Chemie</i> , 2020 , 132, 23799-23803	3.0	8
48	High-Voltage Rechargeable Alkali-Acid Zn-PbO Hybrid Battery. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23593-23597	16.4	18
47	Nature-inspired chemistry toward hierarchical superhydrophobic, antibacterial and biocompatible nanofibrous membranes for effective UV-shielding, self-cleaning and oil-water separation. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121476	12.8	159
46	Nanohybrid photocatalysts with ZnIn ₂ S ₄ nanosheets encapsulated UiO-66 octahedral nanoparticles for visible-light-driven hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2020 , 260, 118152	21.8	69
45	Almond shell derived porous carbon for a high-performance anode of microbial fuel cells. <i>Sustainable Energy and Fuels</i> , 2019 , 3, 3415-3421	5.8	12
44	Recent Advances in Flexible and Wearable Pressure Sensors Based on Piezoresistive 3D Monolithic Conductive Sponges. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 6685-6704	9.5	159
43	From Jackfruit Rags to Hierarchical Porous N-Doped Carbon: A High-Performance Anode Material for Sodium-Ion Batteries. <i>Transactions of Tianjin University</i> , 2019 , 25, 429-436	2.9	5
42	High-strength electrospun carbon nanofibrous mats prepared via rapid stabilization as frameworks for Li-ion battery electrodes. <i>Journal of Materials Science</i> , 2019 , 54, 11574-11584	4.3	10
41	High dielectric polyimide composite film filled with a heat-resistant organic salt. <i>Composites Communications</i> , 2019 , 14, 29-33	6.7	9
40	An interfacial engineering strategy of electrocatalyst boosts ammonia electrosynthesis. <i>Science China Chemistry</i> , 2019 , 62, 921-922	7.9	
39	Molten-salt-mediated synthesis of porous Fe-containing N-doped carbon as efficient cathode catalysts for microbial fuel cells. <i>Applied Surface Science</i> , 2019 , 481, 1206-1212	6.7	39
38	Nitrogen-doped carbon coating mesoporous ZnS nanospheres as high-performance anode material of sodium-ion batteries. <i>Materials Today Communications</i> , 2019 , 19, 396-401	2.5	18
37	Reply to the Comment on Synthesis and properties of a high dielectric constant copolymer of a copper phthalocyanine oligomer grafted to amino-capped polyimide by G. Mezei, <i>Journal of Materials Chemistry C</i> , 2019, 7, DOI: 10.1039/C8TC04076A. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4892-4894	7.1	
36	Boosting electrochemical performance of electrospun silicon-based anode materials for lithium-ion battery by surface coating a second layer of carbon. <i>Applied Surface Science</i> , 2019 , 494, 94-100	6.7	26
35	Freestanding electrospun nanofibrous materials embedded in elastomers for stretchable strain sensors 2019 ,		1
34	Recent advances in precious metal-free bifunctional catalysts for electrochemical conversion systems. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8006-8029	13	139
33	Halloysite nanotubes sponges with skeletons made of electrospun nanofibers as innovative dye adsorbent and catalyst support. <i>Chemical Engineering Journal</i> , 2019 , 360, 280-288	14.7	19

32	Highly flexible electrospun carbon/graphite nanofibers from a non-processable heterocyclic rigid-rod polymer of polybisbenzimidazobenzophenanthroline-dione (BBB). <i>Journal of Materials Science</i> , 2018 , 53, 9002-9012	4.3	8
31	Flexible and Compressible PEDOT:PSS@Melamine Conductive Sponge Prepared via One-Step Dip Coating as Piezoresistive Pressure Sensor for Human Motion Detection. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 16077-16086	9.5	135
30	One-Step Preparation of Highly Hydrophobic and Oleophilic Melamine Sponges via Metal-Ion-Induced Wettability Transition. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 6652-6660	9.5	56
29	βCyclodextrin toughened polyimide composites toward all-organic dielectric materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 1182-1188	2.1	8
28	Ultralight electrospun cellulose sponge with super-high capacity on absorption of organic compounds. <i>Carbohydrate Polymers</i> , 2018 , 179, 164-172	10.3	35
27	TiO ₂ Nanotubes/Ag/MoS ₂ Meshy Photoelectrode with Excellent Photoelectrocatalytic Degradation Activity for Tetracycline Hydrochloride. <i>Nanomaterials</i> , 2018 , 8,	5.4	10
26	High-performance polyimide nanofibers reinforced polyimide nanocomposite films fabricated by co-electrospinning followed by hot-pressing. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 46849	2.9	18
25	Highly foldable PANi@CNTs/PU dielectric composites toward thin-film capacitor application. <i>Materials Letters</i> , 2017 , 192, 25-28	3.3	84
24	Mechanically flexible electrospun carbon nanofiber mats derived from biochar and polyacrylonitrile. <i>Materials Letters</i> , 2017 , 205, 206-210	3.3	26
23	Enzymatic decomposition and electrochemical study of alkali lignin by laccase (<i>Trametes versicolor</i>) in the presence of a natural mediator (methyl syringate). <i>New Journal of Chemistry</i> , 2017 , 41, 958-964	3.6	10
22	Nanofibre preparation of non-processable polymers by solid-state polymerization of molecularly self-assembled monomers. <i>Nanoscale</i> , 2017 , 9, 18169-18174	7.7	12
21	Three-dimensional and ultralight sponges with tunable conductivity assembled from electrospun nanofibers for a highly sensitive tactile pressure sensor. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 10288-10294	7.1	57
20	Synthesis and properties of a high dielectric constant copolymer of a copper phthalocyanine oligomer grafted to amino-capped polyimide. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 8371-8375	7.1	11
19	Scalable and Facile Preparation of Highly Stretchable Electrospun PEDOT:PSS@PU Fibrous Nonwovens toward Wearable Conductive Textile Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 30014-30023	9.5	75
18	An Innovative Approach for the Preparation of High-Performance Electrospun Poly(p-phenylene)-Based Polymer Nanofiber Belts. <i>Macromolecules</i> , 2017 , 50, 9760-9772	5.5	4
17	Aqueous solution blending route for preparing low dielectric constant films of polyimide hybridized with polytetrafluoroethylene. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 12683-12689	2.1	12
16	A highly stretchable strain sensor based on electrospun carbon nanofibers for human motion monitoring. <i>RSC Advances</i> , 2016 , 6, 79114-79120	3.7	56
15	Low-temperature seeding and hydrothermal growth of ZnO nanorod on poly(3,4-ethylene dioxythiophene):poly(styrene sulfonic acid). <i>Materials Letters</i> , 2016 , 183, 197-201	3.3	13

14	Electrospun polyimide nanofibers and their applications. <i>Progress in Polymer Science</i> , 2016 , 61, 67-103	29.6	239
13	Polyimide complexes with high dielectric performance: toward polymer film capacitor applications. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6452-6456	7.1	32
12	High permittivity nanocomposites fabricated from electrospun polyimide/BaTiO ₃ hybrid nanofibers. <i>Polymer Composites</i> , 2016 , 37, 794-801	3	54
11	Development of high dielectric polyimides containing bipyridine units for polymer film capacitor. <i>Reactive and Functional Polymers</i> , 2016 , 106, 93-98	4.6	26
10	Electrospun nanofiber reinforced all-organic PVDF/PI tough composites and their dielectric permittivity. <i>Materials Letters</i> , 2015 , 160, 515-517	3.3	40
9	Thermal, mechanical and thermomechanical properties of tough electrospun poly(imide-co-benzoxazole) nanofiber belts. <i>New Journal of Chemistry</i> , 2015 , 39, 7797-7804	3.6	22
8	Polyacrylonitrile-derived polyconjugated ladder structures for high performance all-organic dielectric materials. <i>Chemical Communications</i> , 2015 , 51, 10127-30	5.8	32
7	Short electrospun carbon nanofiber reinforced polyimide composite with high dielectric permittivity. <i>Materials Letters</i> , 2015 , 161, 431-434	3.3	48
6	Facile synthesis, characterization and application of highly active palladium nano-network structures supported on electrospun carbon nanofibers. <i>RSC Advances</i> , 2014 , 4, 42732-42736	3.7	8
5	Polyimide/BaTiO ₃ /MWCNTs three-phase nanocomposites fabricated by electrospinning with enhanced dielectric properties. <i>Materials Letters</i> , 2014 , 135, 158-161	3.3	84
4	Mechanical flexible PI/MWCNTs nanocomposites with high dielectric permittivity by electrospinning. <i>European Polymer Journal</i> , 2014 , 59, 129-135	5.2	92
3	Needleless emulsion electrospinning for scalable fabrication of core-shell nanofibers. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	18
2	Highly strong and highly tough electrospun polyimide/polyimide composite nanofibers from binary blend of polyamic acids. <i>RSC Advances</i> , 2014 , 4, 59936-59942	3.7	39
1	Flexible PI/BaTiO ₃ dielectric nanocomposite fabricated by combining electrospinning and electrospraying. <i>European Polymer Journal</i> , 2013 , 49, 2567-2571	5.2	48