## Wei Fan

## List of Publications by Citations

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111 4,344 37 63 g-index

116 5,226 6.2 6.06 ext. papers ext. citations avg, IF L-index

#	Paper	IF	Citations
111	Graphene-wrapped polyaniline hollow spheres as novel hybrid electrode materials for supercapacitor applications. <i>ACS Applied Materials &amp; mp; Interfaces</i> , <b>2013</b> , 5, 3382-91	9.5	288
110	High-performance supercapacitors based on hollow polyaniline nanofibers by electrospinning. <i>ACS Applied Materials &amp; District Science</i> , <b>2013</b> , 5, 4423-8	9.5	212
109	Hybridization of graphene sheets and carbon-coated Fe3O4 nanoparticles as a synergistic adsorbent of organic dyes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 25108		195
108	Graphene oxide and shape-controlled silver nanoparticle hybrids for ultrasensitive single-particle surface-enhanced Raman scattering (SERS) sensing. <i>Nanoscale</i> , <b>2014</b> , 6, 4843-51	7.7	170
107	Facile preparation of water-dispersible graphene sheets stabilized by acid-treated multi-walled carbon nanotubes and their poly(vinyl alcohol) composites. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 24	127-243	34 <sup>156</sup>
106	Electrospun porous carbon nanofiber@MoS2 core/sheath fiber membranes as highly flexible and binder-free anodes for lithium-ion batteries. <i>Nanoscale</i> , <b>2015</b> , 7, 11093-101	7.7	155
105	Nitrogen-doped graphene hollow nanospheres as novel electrode materials for supercapacitor applications. <i>Journal of Power Sources</i> , <b>2013</b> , 243, 973-981	8.9	140
104	Polymer/Carbon-Based Hybrid Aerogels: Preparation, Properties and Applications. <i>Materials</i> , <b>2015</b> , 8, 6806-6848	3.5	120
103	Graphene/montmorillonite hybrid synergistically reinforced polyimide composite aerogels with enhanced flame-retardant performance. <i>Composites Science and Technology</i> , <b>2017</b> , 139, 57-63	8.6	102
102	One-step preparation of hierarchical superparamagnetic iron oxide/graphene composites via hydrothermal method. <i>Applied Surface Science</i> , <b>2011</b> , 258, 1132-1138	6.7	99
101	Cotton Wool Derived Carbon Fiber Aerogel Supported Few-Layered MoSe2 Nanosheets As Efficient Electrocatalysts for Hydrogen Evolution. <i>ACS Applied Materials &amp; Design Company </i>	9.5	91
100	In-Situ Growth of Few-Layered MoS2 Nanosheets on Highly Porous Carbon Aerogel as Advanced Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 3140-3148	8.3	90
99	Molybdenum Carbide Anchored on Graphene Nanoribbons as Highly Efficient All-pH Hydrogen Evolution Reaction Electrocatalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 6313-6321	8.3	89
98	Flexible Electrospun Carbon Nanofiber@NiS Core/Sheath Hybrid Membranes as Binder-Free Anodes for Highly Reversible Lithium Storage. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1500467	4.6	79
97	Mechanically strong polyimide / carbon nanotube composite aerogels with controllable porous structure. <i>Composites Science and Technology</i> , <b>2018</b> , 156, 186-191	8.6	78
96	Bidirectional anisotropic polyimide/bacterial cellulose aerogels by freeze-drying for super-thermal insulation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 385, 123963	14.7	77
95	Lightweight, strong, and super-thermal insulating polyimide composite aerogels under high temperature. <i>Composites Science and Technology</i> , <b>2019</b> , 173, 47-52	8.6	76

## (2016-2015)

94	Graphene/carbon aerogels derived from graphene crosslinked polyimide as electrode materials for supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 1301-1308	3.7	74
93	Aqueous stabilization of graphene sheets using exfoliated montmorillonite nanoplatelets for multifunctional free-standing hybrid films via vacuum-assisted self-assembly. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 18011		70
92	Phosphorus-doped NiCoS nanocrystals grown on electrospun carbon nanofibers as ultra-efficient electrocatalysts for the hydrogen evolution reaction. <i>Nanoscale Horizons</i> , <b>2017</b> , 2, 277-283	10.8	64
91	Flexible hierarchical membranes of WS nanosheets grown on graphene-wrapped electrospun carbon nanofibers as advanced anodes for highly reversible lithium storage. <i>Nanoscale</i> , <b>2016</b> , 8, 16387-	163 <sup>9</sup> 4	63
90	Bacterial cellulose-based sheet-like carbon aerogels for the in situ growth of nickel sulfide as high performance electrode materials for asymmetric supercapacitors. <i>Nanoscale</i> , <b>2017</b> , 9, 4445-4455	7.7	62
89	Immobilization of NiS nanoparticles on N-doped carbon fiber aerogels as advanced electrode materials for supercapacitors. <i>Nano Research</i> , <b>2016</b> , 9, 2747-2759	10	60
88	Three-Dimensional Nanoporous Graphene-Carbon Nanotube Hybrid Frameworks for Confinement of SnS2 Nanosheets: Flexible and Binder-Free Papers with Highly Reversible Lithium Storage. <i>ACS Applied Materials &amp; Distriction (Confidence of Confidence of Confiden</i>	9.5	60
87	Flexible free-standing 3D porous N-doped graphenedarbon nanotube hybrid paper for high-performance supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 9228-9236	3.7	60
86	A flexible free-standing defect-rich MoS2/graphene/carbon nanotube hybrid paper as a binder-free anode for high-performance lithium ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 43130-43140	3.7	53
85	Fused deposition modeling 3D printing of polyamide-based composites and its applications. <i>Composites Communications</i> , <b>2020</b> , 21, 100413	6.7	53
84	3D porous hybrids of defect-rich MoS2/graphene nanosheets with excellent electrochemical performance as anode materials for lithium ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 34777-34787	3.7	52
83	Multifunctional polyimide aerogel textile inspired by polar bear hair for thermoregulation in extreme environments. <i>Chemical Engineering Journal</i> , <b>2020</b> , 390, 124623	14.7	52
82	Electrodepositing Ag nanodendrites on layered double hydroxides modified glassy carbon electrode: Novel hierarchical structure for hydrogen peroxide detection. <i>Electrochimica Acta</i> , <b>2013</b> , 90, 400-407	6.7	50
81	Electrospun polymer nanofiber membrane electrodes and an electrolyte for highly flexible and foldable all-solid-state supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 26189-26196	3.7	49
80	Tracking Airborne Molecules from Afar: Three-Dimensional Metal-Organic Framework-Surface-Enhanced Raman Scattering Platform for Stand-Off and Real-Time Atmospheric Monitoring. <i>ACS Nano</i> , <b>2019</b> , 13, 12090-12099	16.7	43
79	Lotus root-like porous carbon nanofiber anchored with CoP nanoparticles as all-pH hydrogen evolution electrocatalysts. <i>Nano Research</i> , <b>2018</b> , 11, 1274-1284	10	41
78	Ditungsten carbide nanoparticles embedded in electrospun carbon nanofiber membranes as flexible and high-performance supercapacitor electrodes. <i>Composites Communications</i> , <b>2019</b> , 12, 21-25	6.7	39
77	NiCo2S4 Nanosheets Grown on 3D Networks of Nitrogen-Doped Graphene/Carbon Nanotubes: Advanced Anode Materials for Lithium-Ion Batteries. <i>ChemElectroChem</i> , <b>2016</b> , 3, 1384-1391	4.3	38

76	Filter paper-derived carbon fiber/polyaniline composite paper for high energy storage applications. <i>Composites Science and Technology</i> , <b>2014</b> , 101, 152-158	8.6	37
75	Graphene sheets wrapped carbon nanofibers as a highly conductive three-dimensional framework for perpendicularly anchoring of MoS 2 : Advanced electrocatalysts for hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2016</b> , 219, 604-613	6.7	37
74	Porous graphenedarbon nanotube hybrid paper as a flexible nano-scaffold for polyaniline immobilization and application in all-solid-state supercapacitors. <i>RSC Advances</i> , <b>2015</b> , 5, 31064-31073	3.7	35
73	Graphene/graphene nanoribbon aerogels as tunable three-dimensional framework for efficient hydrogen evolution reaction. <i>Electrochimica Acta</i> , <b>2017</b> , 250, 91-98	6.7	35
72	Carbon-Nanotube-Incorporated Graphene Scroll-Sheet Conjoined Aerogels for Efficient Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 6994-7002	8.3	33
71	Fabrication of electrically conductive graphene/polystyrene composites via a combination of latex and layer-by-layer assembly approaches. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 611-619	2.5	33
70	Electrospun carbon nanofiber@CoS2 core/sheath hybrid as an efficient all-pH hydrogen evolution electrocatalyst. <i>Inorganic Chemistry Frontiers</i> , <b>2016</b> , 3, 1280-1288	6.8	32
69	Synergistic mechanism of Ag-Zn in anti-bacterial activity against Enterococcus faecalis and its application against dentin infection. <i>Journal of Nanobiotechnology</i> , <b>2018</b> , 16, 10	9.4	30
68	Mechanically strong and thermally insulating polyimide aerogels by homogeneity reinforcement of electrospun nanofibers. <i>Composites Part B: Engineering</i> , <b>2020</b> , 182, 107624	10	30
67	Highly porous polyimide-derived carbon aerogel as advanced three-dimensional framework of electrode materials for high-performance supercapacitors. <i>Electrochimica Acta</i> , <b>2018</b> , 283, 1763-1772	6.7	29
66	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T = (283.15 to 333.15) K. <i>Journal of Chemical &amp; Chemi</i>	2.8	29
65	Transforming growth factor <b>I</b> promotes invasion of human JEG-3 trophoblast cells via TGF- <b>/</b> Smad3 signaling pathway. <i>Oncotarget</i> , <b>2017</b> , 8, 33560-33570	3.3	29
64	In Situ Growth of Fe2O3 Nanoparticles on Highly Porous Graphene/Polyimide-Based Carbon Aerogel Nanocomposites for Effectively Selective Detection of Dopamine. <i>Advanced Materials Interfaces</i> , <b>2016</b> , 3, 1600137	4.6	29
63	Nitrogen-doped graphene/carbon nanotube/Co3O4 hybrids: one-step synthesis and superior electrocatalytic activity for the oxygen reduction reaction. <i>RSC Advances</i> , <b>2015</b> , 5, 94615-94622	3.7	28
62	Free-standing macro-porous nitrogen doped graphene film for high energy density supercapacitor. <i>Electrochimica Acta</i> , <b>2019</b> , 318, 865-874	6.7	27
61	The antitumor effect of formosanin C on HepG2 cell as revealed by 1H-NMR based metabolic profiling. <i>Chemico-Biological Interactions</i> , <b>2014</b> , 220, 193-9	5	27
60	3D printed carbon aerogel microlattices for customizable supercapacitors with high areal capacitance. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 423-432	13	27
59	Multifunctional second barrier layers for lithiumBulfur batteries. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 235-252	7.8	27

## (2015-2014)

58	Anti-fibrosis and anti-cirrhosis effects of Rhizoma paridis saponins on diethylnitrosamine induced rats. <i>Journal of Ethnopharmacology</i> , <b>2014</b> , 151, 407-12	5	26	
57	A Decatwistacene with an Overall 170º Torsion. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15575-15579	3.6	25	
56	Recent Progress of Wearable Piezoelectric Nanogenerators. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 2449-2467	4	25	
55	Antitumor pathway of Rhizoma Paridis Saponins based on the metabolic regulatory network alterations in H22 hepatocarcinoma mice. <i>Steroids</i> , <b>2014</b> , 84, 17-21	2.8	24	
54	A novel approach for transferring water-dispersible graphene nanosheets into organic media. Journal of Materials Chemistry, <b>2012</b> , 22, 11748		23	
53	Graphenellarbon Nanotube Aerogel with a Scroll-Interconnected-Sheet Structure as an Advanced Framework for a High-Performance Asymmetric Supercapacitor Electrode. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 4435-4441	5.6	23	
52	Fabrication of functionalized nitrogen-doped graphene for supercapacitor electrodes. <i>Ionics</i> , <b>2014</b> , 20, 1489-1494	2.7	22	
51	Layered double hydroxide/graphene oxide synergistically enhanced polyimide aerogels for thermal insulation and fire-retardancy. <i>Composites Part B: Engineering</i> , <b>2021</b> , 219, 108963	10	20	
50	Quasi-one-dimensional graphene nanoribbon-supported MoS2 nanosheets for enhanced hydrogen evolution reaction. <i>RSC Advances</i> , <b>2016</b> , 6, 13757-13765	3.7	18	
49	Activation of graphitic nitrogen sites for boosting oxygen reduction. <i>Carbon</i> , <b>2020</b> , 159, 611-616	10.4	18	
48	Polyimide-based graphene composite foams with hierarchical impedance gradient for efficient electromagnetic absorption. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 2086-2094	7.1	18	
47	Improving hierarchical porous structure of carbon aerogels for more efficient ion transport for supercapacitors with commercial level mass loading. <i>Electrochimica Acta</i> , <b>2019</b> , 323, 134811	6.7	16	
46	Graphene-Carbon Nanotube Hybrids for Energy and Environmental Applications. <i>Springer Briefs in Molecular Science</i> , <b>2017</b> ,	0.6	15	
45	One-step hydrothermal synthesis of nitrogen and sulfur co-doped graphene for supercapacitors with high electrochemical capacitance performance. <i>Ionics</i> , <b>2015</b> , 21, 3233-3238	2.7	15	
44	Superhydrophobic polyvinylidene fluoride/polyimide nanofiber composite aerogels for thermal insulation under extremely humid and hot environment. <i>Science China Materials</i> , <b>2021</b> , 64, 1267-1277	7.1	15	
43	Least-Squares Parameter Estimation Algorithm for a Class of Input Nonlinear Systems. <i>Journal of Applied Mathematics</i> , <b>2012</b> , 2012, 1-14	1.1	13	
42	Rough-surfaced molybdenum carbide nanobeads grown on graphene-coated carbon nanofibers membrane as free-standing hydrogen evolution reaction electrocatalyst. <i>Materials Today Chemistry</i> , <b>2016</b> , 1-2, 32-39	6.2	13	
41	Inhibition of pulmonary adenoma in diethylnitrosamine-induced rats by Rhizoma paridis saponins.  Journal of Steroid Biochemistry and Molecular Biology, 2015, 154, 62-7	5.1	12	

40	Utilization of metabonomics to identify serum biomarkers in murine H22 hepatocarcinoma and deduce antitumor mechanism of Rhizoma Paridis saponins. <i>Chemico-Biological Interactions</i> , <b>2016</b> , 256, 55-63	5	12
39	Synthesis and Electrochemical Properties of Nitrogen-Doped Graphene/Copper Sulphide Nanocomposite for Supercapacitor. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 2811-816	1.3	11
38	Hierarchical composites of NiCo2S4 nanorods grown on carbon nanofibers as anodes for high-performance lithium ion batteries. <i>Composites Communications</i> , <b>2020</b> , 21, 100395	6.7	11
37	Synthesis and electrochemical properties of graphene oxide/nanosulfur/polypyrrole ternary nanocomposite hydrogel for supercapacitors. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	11
36	Free-standing flexible graphene-based aerogel film with high energy density as an electrode for supercapacitors. <i>Nano Materials Science</i> , <b>2021</b> , 3, 68-74	10.2	11
35	In-situ synthesis of core/shell structured polypyrrole/hydroquinone nano-beads and electrochemical capacitance investigations. <i>Materials Letters</i> , <b>2015</b> , 138, 279-283	3.3	10
34	Highly flexible and compressible polyimide/silica aerogels with integrated double network for thermal insulation and fire-retardancy. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 105, 194-202	9.1	10
33	Graphene/graphene nanoribbon aerogels decorated with S-doped MoSe2 nanosheets as an efficient electrocatalyst for hydrogen evolution. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 1209-1216	6.8	9
32	Efficient large-scale preparation of defect-free few-layer graphene using a conjugated ionic liquid as green media and its polyetherimide composite. <i>Composites Science and Technology</i> , <b>2018</b> , 157, 144-1.	5 <sup>8.6</sup>	9
31	The HLA-G 14-bp polymorphism and recurrent implantation failure: a meta-analysis. <i>Journal of Assisted Reproduction and Genetics</i> , <b>2017</b> , 34, 1559-1565	3.4	9
30	In Situ Growth of Co3O4 Nanoparticles on Interconnected Nitrogen-Doped Graphene Nanoribbons as Efficient Oxygen Reduction Reaction Catalyst. <i>ChemNanoMat</i> , <b>2016</b> , 2, 972-979	3.5	9
29	Free-Standing Silver Nanocube/Graphene Oxide Hybrid Paper for Surface-Enhanced Raman Scattering. <i>Chinese Journal of Chemistry</i> , <b>2016</b> , 34, 73-81	4.9	9
28	Turmeric enhancing anti-tumor effect of Rhizoma paridis saponins by influencing their metabolic profiling in tumors of H22 hepatocarcinoma mice. <i>Pathology Research and Practice</i> , <b>2015</b> , 211, 948-54	3.4	8
27	PdBnO2 heterojunction catalysts anchored on graphene sheets for enhanced oxygen reduction. <i>Composites Communications</i> , <b>2021</b> , 25, 100703	6.7	8
26	Evolution of dissolved organic matter during artificial groundwater recharge with effluent from underutilized WWTP and the resulting facilitated transport effect. <i>Environmental Research</i> , <b>2021</b> , 193, 110527	7.9	8
25	Ultralight and ordered lamellar polyimide-based graphene foams with efficient broadband electromagnetic absorption. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 102, 97-104	9.1	8
24	High performance of supercapacitor based on nitrogen-doped graphene/p-aminophenol electrodes. <i>Ionics</i> , <b>2015</b> , 21, 2639-2645	2.7	7
23	Ultrathin MnO2 Sheet Arrays Grown on Hollow Carbon Fibers as Effective Polysulfide-Blocking Interlayers for High-Performance LiB Batteries. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 12703-12708	6.1	7

Impact of CTAB on morphology and electrochemical performance of MoS2 nanoflowers with 22 improved lithium storage properties. Journal of Materials Science: Materials in Electronics, 2018, 29,  $3631^{-3}639$ Toxicological risks of Rhizoma paridis saponins in rats involved NF-B and Nrf2 signaling. RSC 21 3.7 7 Advances, 2016, 6, 31889-31897 Combination therapy of cyclophosphamide and Rhizoma Paridis Saponins on anti-hepatocarcinoma 20 2.8 7 mice and effects on cytochrome p450 enzyme expression. Steroids, 2014, 80, 1-6 Strategies for the Hybridization of CNTs with Graphene. Springer Briefs in Molecular Science, 2017, 21-51<sub>0.6</sub> 19 In situ synthesis of cabbage like polyaniline@hydroquinone nanocomposites and electrochemical 18 6 2.9 capacitance investigations. Journal of Applied Polymer Science, 2015, 132, n/a-n/a Graphene/EAlOOH Hybrids as an enhanced sensing platform for ultrasensitive stripping 6 17 2.2 voltammetric detection of Pb(II). Chemical Research in Chinese Universities, 2015, 31, 590-596 A One-Step Fabricated Sheath-Core Stretchable Fiber Based on Liquid Metal with Superior Electric 16 6.8 6 Conductivity for Wearable Sensors and Heaters. Advanced Materials Technologies, 2101618 A 3D-printed integrated MXene-based evaporator with a vertical array structure for salt-resistant 13 5 solar desalination. Journal of Materials Chemistry A, 2021, 9, 23968-23976 Electron-rich platinum electrocatalysts supported onto tin oxides for efficient oxygen reduction. 6.7 5 14 Composites Communications, 2021, 24, 100603 Nitrogen-coordinated single-atom catalysts with manganese and cobalt sites for acidic oxygen 13 13 4 reduction. Journal of Materials Chemistry A, Development of the inorganic nanoparticles reinforced alginate-based hybrid fiber for wound care 12 2.9 4 and healing. Journal of Applied Polymer Science, 2021, 138, 51228 Synthesis and Electrochemical Properties of Graphene Oxide/Acenaphthenequinone Composite. 11 1.1 Nano, 2015, 10, 1550023 Immunogenicity of Hepatitis B Vaccine in Preterm or Low Birth Weight Infants: A Meta-Analysis. 10 6.1 2 American Journal of Preventive Medicine, 2020, 59, 278-287 Graphene-CNT Hybrids for Energy Applications. Springer Briefs in Molecular Science, 2017, 53-90 9 0.6 2 Polyimide Aerogel Fibers with Controllable Porous Microstructure for Super-Thermal Insulation 8 10.9 2 Under Extreme Environments. Advanced Fiber Materials, 1 Progress in recycling and valorization of waste silk.. Science of the Total Environment, 2022, 830, 154812 10.2 Recyclable visible-light photocatalytic composite materials based on tubular Au/TiO2/SiO2 ternary nanocomposites for removal of organic pollutants from water. Composites Communications, 2022, 6 6.7 2 32, 101154 Carbon Nanotube-Based Hybrid Materials and Their Polymer Composites 2014, 239-277

4	Lattice-strain and electron-density modulation of palladium nanocatalysts for highly efficient oxygen reduction. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 602, 159-167	9.3	1
3	Enhanced mechanical performance of cellulose nanocrystal doped eco-friendly calcium-alginate based bio-composite fiber with superior flame retardancy. <i>Textile Reseach Journal</i> ,004051752110733	1.7	0
2	Polyimide/boron nitride composite aerogel fiber-based phase-changeable textile for intelligent personal thermoregulation. <i>Composites Science and Technology</i> , <b>2022</b> , 109541	8.6	О
1	Overt and occult hepatitis B infection after neonatal vaccination: mother-to-infant transmission and HBV vaccine effectiveness. <i>International Journal of Infectious Diseases</i> , <b>2021</b> , 104, 601-609	10.5	