Wei Fan

List of Publications by Year in Descending Order

111 papers	4,344 citations	37 h-index	63 g-index
116 ext. papers	5,226 ext. citations	6.2 avg, IF	6.06 L-index

#	Paper	IF	Citations
111	Ultralight and ordered lamellar polyimide-based graphene foams with efficient broadband electromagnetic absorption. *Journal of Materials Science and Technology*, **2022**, 102, 97-104	9.1	8
110	Highly flexible and compressible polyimide/silica aerogels with integrated double network for thermal insulation and fire-retardancy. *Journal of Materials Science and Technology*, **2022**, 105, 194-202	9.1	10
109	Progress in recycling and valorization of waste silk.. *Science of the Total Environment*, **2022**, 830, 154812	10.2	2
108	Recyclable visible-light photocatalytic composite materials based on tubular Au/TiO2/SiO2 ternary nanocomposites for removal of organic pollutants from water. *Composites Communications*, **2022**, 32, 101154	6.7	2
107	Polyimide/boron nitride composite aerogel fiber-based phase-changeable textile for intelligent personal thermoregulation. *Composites Science and Technology*, **2022**, 109541	8.6	0
106	A 3D-printed integrated MXene-based evaporator with a vertical array structure for salt-resistant solar desalination. *Journal of Materials Chemistry A*, **2021**, 9, 23968-23976	13	5
105	Overt and occult hepatitis B infection after neonatal vaccination: mother-to-infant transmission and HBV vaccine effectiveness. *International Journal of Infectious Diseases*, **2021**, 104, 601-609	10.5	
104	Electron-rich platinum electrocatalysts supported onto tin oxides for efficient oxygen reduction. *Composites Communications*, **2021**, 24, 100603	6.7	5
103	Recent Progress of Wearable Piezoelectric Nanogenerators. *ACS Applied Electronic Materials*, **2021**, 3, 2449-2467	4	25
102	Development of the inorganic nanoparticles reinforced alginate-based hybrid fiber for wound care and healing. *Journal of Applied Polymer Science*, **2021**, 138, 51228	2.9	4
101	Pd‐SnO2 heterojunction catalysts anchored on graphene sheets for enhanced oxygen reduction. *Composites Communications*, **2021**, 25, 100703	6.7	8
100	Free-standing flexible graphene-based aerogel film with high energy density as an electrode for supercapacitors. *Nano Materials Science*, **2021**, 3, 68-74	10.2	11
99	Superhydrophobic polyvinylidene fluoride/polyimide nanofiber composite aerogels for thermal insulation under extremely humid and hot environment. *Science China Materials*, **2021**, 64, 1267-1277	7.1	15
98	Evolution of dissolved organic matter during artificial groundwater recharge with effluent from underutilized WWTP and the resulting facilitated transport effect. *Environmental Research*, **2021**, 193, 110527	7.9	8
97	3D printed carbon aerogel microlattices for customizable supercapacitors with high areal capacitance. *Journal of Materials Chemistry A*, **2021**, 9, 423-432	13	27
96	Polyimide-based graphene composite foams with hierarchical impedance gradient for efficient electromagnetic absorption. *Journal of Materials Chemistry C*, **2021**, 9, 2086-2094	7.1	18
95	Layered double hydroxide/graphene oxide synergistically enhanced polyimide aerogels for thermal insulation and fire-retardancy. *Composites Part B: Engineering*, **2021**, 219, 108963	10	20

94	Lattice-strain and electron-density modulation of palladium nanocatalysts for highly efficient oxygen reduction. *Journal of Colloid and Interface Science*, **2021**, 602, 159-167	9.3	1
93	Ultrathin MnO2 Sheet Arrays Grown on Hollow Carbon Fibers as Effective Polysulfide-Blocking Interlayers for High-Performance Li–S Batteries. *ACS Applied Energy Materials*, **2020**, 3, 12703-12708	6.1	7
92	Immunogenicity of Hepatitis B Vaccine in Preterm or Low Birth Weight Infants: A Meta-Analysis. *American Journal of Preventive Medicine*, **2020**, 59, 278-287	6.1	2
91	Hierarchical composites of NiCo2S4 nanorods grown on carbon nanofibers as anodes for high-performance lithium ion batteries. *Composites Communications*, **2020**, 21, 100395	6.7	11
90	Multifunctional polyimide aerogel textile inspired by polar bear hair for thermoregulation in extreme environments. *Chemical Engineering Journal*, **2020**, 390, 124623	14.7	52
89	Activation of graphitic nitrogen sites for boosting oxygen reduction. *Carbon*, **2020**, 159, 611-616	10.4	18
88	Bidirectional anisotropic polyimide/bacterial cellulose aerogels by freeze-drying for super-thermal insulation. *Chemical Engineering Journal*, **2020**, 385, 123963	14.7	77
87	Mechanically strong and thermally insulating polyimide aerogels by homogeneity reinforcement of electrospun nanofibers. *Composites Part B: Engineering*, **2020**, 182, 107624	10	30
86	Fused deposition modeling 3D printing of polyamide-based composites and its applications. *Composites Communications*, **2020**, 21, 100413	6.7	53
85	Tracking Airborne Molecules from Afar: Three-Dimensional Metal-Organic Framework-Surface-Enhanced Raman Scattering Platform for Stand-Off and Real-Time Atmospheric Monitoring. *ACS Nano*, **2019**, 13, 12090-12099	16.7	43
84	Improving hierarchical porous structure of carbon aerogels for more efficient ion transport for supercapacitors with commercial level mass loading. *Electrochimica Acta*, **2019**, 323, 134811	6.7	16
83	Lightweight, strong, and super-thermal insulating polyimide composite aerogels under high temperature. *Composites Science and Technology*, **2019**, 173, 47-52	8.6	76
82	Free-standing macro-porous nitrogen doped graphene film for high energy density supercapacitor. *Electrochimica Acta*, **2019**, 318, 865-874	6.7	27
81	Graphene/graphene nanoribbon aerogels decorated with S-doped MoSe2 nanosheets as an efficient electrocatalyst for hydrogen evolution. *Inorganic Chemistry Frontiers*, **2019**, 6, 1209-1216	6.8	9
80	Ditungsten carbide nanoparticles embedded in electrospun carbon nanofiber membranes as flexible and high-performance supercapacitor electrodes. *Composites Communications*, **2019**, 12, 21-25	6.7	39
79	Efficient large-scale preparation of defect-free few-layer graphene using a conjugated ionic liquid as green media and its polyetherimide composite. *Composites Science and Technology*, **2018**, 157, 144-151	8.6	9
78	Mechanically strong polyimide / carbon nanotube composite aerogels with controllable porous structure. *Composites Science and Technology*, **2018**, 156, 186-191	8.6	78
77	Impact of CTAB on morphology and electrochemical performance of MoS2 nanoflowers with improved lithium storage properties. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 3631-3639	2.1	7

76	Lotus root-like porous carbon nanofiber anchored with CoP nanoparticles as all-pH hydrogen evolution electrocatalysts. *Nano Research*, **2018**, 11, 1274-1284	10	41
75	Highly porous polyimide-derived carbon aerogel as advanced three-dimensional framework of electrode materials for high-performance supercapacitors. *Electrochimica Acta*, **2018**, 283, 1763-1772	6.7	29
74	Synergistic mechanism of Ag-Zn in anti-bacterial activity against Enterococcus faecalis and its application against dentin infection. *Journal of Nanobiotechnology*, **2018**, 16, 10	9.4	30
73	Multifunctional second barrier layers for lithium–sulfur batteries. *Materials Chemistry Frontiers*, **2018**, 2, 235-252	7.8	27
72	Graphene–Carbon Nanotube Aerogel with a Scroll-Interconnected-Sheet Structure as an Advanced Framework for a High-Performance Asymmetric Supercapacitor Electrode. *ACS Applied Nano Materials*, **2018**, 1, 4435-4441	5.6	23
71	Bacterial cellulose-based sheet-like carbon aerogels for the in situ growth of nickel sulfide as high performance electrode materials for asymmetric supercapacitors. *Nanoscale*, **2017**, 9, 4445-4455	7.7	62
70	Synthesis and Electrochemical Properties of Nitrogen-Doped Graphene/Copper Sulphide Nanocomposite for Supercapacitor. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 2811-816	1.3	11
69	Phosphorus-doped NiCoS nanocrystals grown on electrospun carbon nanofibers as ultra-efficient electrocatalysts for the hydrogen evolution reaction. *Nanoscale Horizons*, **2017**, 2, 277-283	10.8	64
68	Graphene/montmorillonite hybrid synergistically reinforced polyimide composite aerogels with enhanced flame-retardant performance. *Composites Science and Technology*, **2017**, 139, 57-63	8.6	102
67	The HLA-G 14-bp polymorphism and recurrent implantation failure: a meta-analysis. *Journal of Assisted Reproduction and Genetics*, **2017**, 34, 1559-1565	3.4	9
66	Graphene/graphene nanoribbon aerogels as tunable three-dimensional framework for efficient hydrogen evolution reaction. *Electrochimica Acta*, **2017**, 250, 91-98	6.7	35
65	A Decatwistacene with an Overall 170° Torsion. *Angewandte Chemie*, **2017**, 129, 15575-15579	3.6	25
64	Carbon-Nanotube-Incorporated Graphene Scroll-Sheet Conjoined Aerogels for Efficient Hydrogen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 6994-7002	8.3	33
63	Graphene-CNT Hybrids for Energy Applications. *Springer Briefs in Molecular Science*, **2017**, 53-90	0.6	2
62	Graphene-Carbon Nanotube Hybrids for Energy and Environmental Applications. *Springer Briefs in Molecular Science*, **2017**,	0.6	15
61	Transforming growth factor β1 promotes invasion of human JEG-3 trophoblast cells via TGF-β/Smad3 signaling pathway. *Oncotarget*, **2017**, 8, 33560-33570	3.3	29
60	Strategies for the Hybridization of CNTs with Graphene. *Springer Briefs in Molecular Science*, **2017**, 21-51	0.6	7
59	Flexible hierarchical membranes of WS nanosheets grown on graphene-wrapped electrospun carbon nanofibers as advanced anodes for highly reversible lithium storage. *Nanoscale*, **2016**, 8, 16387-16394	7.7	63

58	Immobilization of NiS nanoparticles on N-doped carbon fiber aerogels as advanced electrode materials for supercapacitors. *Nano Research*, **2016**, 9, 2747-2759	10	60
57	Molybdenum Carbide Anchored on Graphene Nanoribbons as Highly Efficient All-pH Hydrogen Evolution Reaction Electrocatalyst. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6313-6321	8.3	89
56	Flexible Electrospun Carbon Nanofiber@NiS Core/Sheath Hybrid Membranes as Binder-Free Anodes for Highly Reversible Lithium Storage. *Advanced Materials Interfaces*, **2016**, 3, 1500467	4.6	79
55	Toxicological risks of Rhizoma paridis saponins in rats involved NF-Β and Nrf2 signaling. *RSC Advances*, **2016**, 6, 31889-31897	3.7	7
54	Quasi-one-dimensional graphene nanoribbon-supported MoS2 nanosheets for enhanced hydrogen evolution reaction. *RSC Advances*, **2016**, 6, 13757-13765	3.7	18
53	Cotton Wool Derived Carbon Fiber Aerogel Supported Few-Layered MoSe2 Nanosheets As Efficient Electrocatalysts for Hydrogen Evolution. *ACS Applied Materials & Interfaces*, **2016**, 8, 7077-85	9.5	91
52	NiCo2S4 Nanosheets Grown on 3D Networks of Nitrogen-Doped Graphene/Carbon Nanotubes: Advanced Anode Materials for Lithium-Ion Batteries. *ChemElectroChem*, **2016**, 3, 1384-1391	4.3	38
51	In Situ Growth of Fe2O3 Nanoparticles on Highly Porous Graphene/Polyimide-Based Carbon Aerogel Nanocomposites for Effectively Selective Detection of Dopamine. *Advanced Materials Interfaces*, **2016**, 3, 1600137	4.6	29
50	Utilization of metabonomics to identify serum biomarkers in murine H22 hepatocarcinoma and deduce antitumor mechanism of Rhizoma Paridis saponins. *Chemico-Biological Interactions*, **2016**, 256, 55-63	5	12
49	Rough-surfaced molybdenum carbide nanobeads grown on graphene-coated carbon nanofibers membrane as free-standing hydrogen evolution reaction electrocatalyst. *Materials Today Chemistry*, **2016**, 1-2, 32-39	6.2	13
48	In Situ Growth of Co3O4 Nanoparticles on Interconnected Nitrogen-Doped Graphene Nanoribbons as Efficient Oxygen Reduction Reaction Catalyst. *ChemNanoMat*, **2016**, 2, 972-979	3.5	9
47	Graphene sheets wrapped carbon nanofibers as a highly conductive three-dimensional framework for perpendicularly anchoring of MoS 2 : Advanced electrocatalysts for hydrogen evolution reaction. *Electrochimica Acta*, **2016**, 219, 604-613	6.7	37
46	Electrospun carbon nanofiber@CoS2 core/sheath hybrid as an efficient all-pH hydrogen evolution electrocatalyst. *Inorganic Chemistry Frontiers*, **2016**, 3, 1280-1288	6.8	32
45	Free-Standing Silver Nanocube/Graphene Oxide Hybrid Paper for Surface-Enhanced Raman Scattering. *Chinese Journal of Chemistry*, **2016**, 34, 73-81	4.9	9
44	Synthesis and Electrochemical Properties of Graphene Oxide/Acenaphthenequinone Composite. *Nano*, **2015**, 10, 1550023	1.1	2
43	High performance of supercapacitor based on nitrogen-doped graphene/p-aminophenol electrodes. *Ionics*, **2015**, 21, 2639-2645	2.7	7
42	Electrospun porous carbon nanofiber@MoS2 core/sheath fiber membranes as highly flexible and binder-free anodes for lithium-ion batteries. *Nanoscale*, **2015**, 7, 11093-101	7.7	155
41	Electrospun polymer nanofiber membrane electrodes and an electrolyte for highly flexible and foldable all-solid-state supercapacitors. *RSC Advances*, **2015**, 5, 26189-26196	3.7	49

40	A flexible free-standing defect-rich MoS2/graphene/carbon nanotube hybrid paper as a binder-free anode for high-performance lithium ion batteries. *RSC Advances*, **2015**, 5, 43130-43140	3.7	53
39	Porous graphene–carbon nanotube hybrid paper as a flexible nano-scaffold for polyaniline immobilization and application in all-solid-state supercapacitors. *RSC Advances*, **2015**, 5, 31064-31073	3.7	35
38	3D porous hybrids of defect-rich MoS2/graphene nanosheets with excellent electrochemical performance as anode materials for lithium ion batteries. *RSC Advances*, **2015**, 5, 34777-34787	3.7	52
37	Turmeric enhancing anti-tumor effect of Rhizoma paridis saponins by influencing their metabolic profiling in tumors of H22 hepatocarcinoma mice. *Pathology Research and Practice*, **2015**, 211, 948-54	3.4	8
36	In-Situ Growth of Few-Layered MoS2 Nanosheets on Highly Porous Carbon Aerogel as Advanced Electrocatalysts for Hydrogen Evolution Reaction. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 3140-3148	8.3	90
35	Nitrogen-doped graphene/carbon nanotube/Co3O4 hybrids: one-step synthesis and superior electrocatalytic activity for the oxygen reduction reaction. *RSC Advances*, **2015**, 5, 94615-94622	3.7	28
34	In situ synthesis of cabbage like polyaniline@hydroquinone nanocomposites and electrochemical capacitance investigations. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	6
33	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
32	Graphene/γ-AlOOH Hybrids as an enhanced sensing platform for ultrasensitive stripping voltammetric detection of Pb(II). *Chemical Research in Chinese Universities*, **2015**, 31, 590-596	2.2	6
31	Graphene/carbon aerogels derived from graphene crosslinked polyimide as electrode materials for supercapacitors. *RSC Advances*, **2015**, 5, 1301-1308	3.7	74
30	In-situ synthesis of core/shell structured polypyrrole/hydroquinone nano-beads and electrochemical capacitance investigations. *Materials Letters*, **2015**, 138, 279-283	3.3	10
29	Polymer/Carbon-Based Hybrid Aerogels: Preparation, Properties and Applications. *Materials*, **2015**, 8, 6806-6848	3.5	120
28	Three-Dimensional Nanoporous Graphene-Carbon Nanotube Hybrid Frameworks for Confinement of SnS2 Nanosheets: Flexible and Binder-Free Papers with Highly Reversible Lithium Storage. *ACS Applied Materials & Interfaces*, **2015**, 7, 27823-30	9.5	60
27	One-step hydrothermal synthesis of nitrogen and sulfur co-doped graphene for supercapacitors with high electrochemical capacitance performance. *Ionics*, **2015**, 21, 3233-3238	2.7	15
26	Flexible free-standing 3D porous N-doped graphene–carbon nanotube hybrid paper for high-performance supercapacitors. *RSC Advances*, **2015**, 5, 9228-9236	3.7	60
25	Synthesis and electrochemical properties of graphene oxide/nanosulfur/polypyrrole ternary nanocomposite hydrogel for supercapacitors. *Journal of Applied Polymer Science*, **2014**, 131, n/a-n/a	2.9	11
24	Graphene oxide and shape-controlled silver nanoparticle hybrids for ultrasensitive single-particle surface-enhanced Raman scattering (SERS) sensing. *Nanoscale*, **2014**, 6, 4843-51	7.7	170
23	Combination therapy of cyclophosphamide and Rhizoma Paridis Saponins on anti-hepatocarcinoma mice and effects on cytochrome p450 enzyme expression. *Steroids*, **2014**, 80, 1-6	2.8	7

22	Fabrication of functionalized nitrogen-doped graphene for supercapacitor electrodes. *Ionics*, **2014**, 20, 1489-1494	2.7	22
21	Filter paper-derived carbon fiber/polyaniline composite paper for high energy storage applications. *Composites Science and Technology*, **2014**, 101, 152-158	8.6	37
20	The antitumor effect of formosanin C on HepG2 cell as revealed by 1H-NMR based metabolic profiling. *Chemico-Biological Interactions*, **2014**, 220, 193-9	5	27
19	Anti-fibrosis and anti-cirrhosis effects of Rhizoma paridis saponins on diethylnitrosamine induced rats. *Journal of Ethnopharmacology*, **2014**, 151, 407-12	5	26
18	Antitumor pathway of Rhizoma Paridis Saponins based on the metabolic regulatory network alterations in H22 hepatocarcinoma mice. *Steroids*, **2014**, 84, 17-21	2.8	24
17	Carbon Nanotube-Based Hybrid Materials and Their Polymer Composites **2014**, 239-277		1
16	Electrodepositing Ag nanodendrites on layered double hydroxides modified glassy carbon electrode: Novel hierarchical structure for hydrogen peroxide detection. *Electrochimica Acta*, **2013**, 90, 400-407	6.7	50
15	Graphene-wrapped polyaniline hollow spheres as novel hybrid electrode materials for supercapacitor applications. *ACS Applied Materials & Interfaces*, **2013**, 5, 3382-91	9.5	288
14	Nitrogen-doped graphene hollow nanospheres as novel electrode materials for supercapacitor applications. *Journal of Power Sources*, **2013**, 243, 973-981	8.9	140
13	High-performance supercapacitors based on hollow polyaniline nanofibers by electrospinning. *ACS Applied Materials & Interfaces*, **2013**, 5, 4423-8	9.5	212
12	Fabrication of electrically conductive graphene/polystyrene composites via a combination of latex and layer-by-layer assembly approaches. *Journal of Materials Research*, **2013**, 28, 611-619	2.5	33
11	Hybridization of graphene sheets and carbon-coated Fe3O4 nanoparticles as a synergistic adsorbent of organic dyes. *Journal of Materials Chemistry*, **2012**, 22, 25108		195
10	Facile preparation of water-dispersible graphene sheets stabilized by acid-treated multi-walled carbon nanotubes and their poly(vinyl alcohol) composites. *Journal of Materials Chemistry*, **2012**, 22, 2427-2434		156
9	A novel approach for transferring water-dispersible graphene nanosheets into organic media. *Journal of Materials Chemistry*, **2012**, 22, 11748		23
8	Least-Squares Parameter Estimation Algorithm for a Class of Input Nonlinear Systems. *Journal of Applied Mathematics*, **2012**, 2012, 1-14	1.1	13
7	One-step preparation of hierarchical superparamagnetic iron oxide/graphene composites via hydrothermal method. *Applied Surface Science*, **2011**, 258, 1132-1138	6.7	99
6	Aqueous stabilization of graphene sheets using exfoliated montmorillonite nanoplatelets for multifunctional free-standing hybrid films via vacuum-assisted self-assembly. *Journal of Materials Chemistry*, **2011**, 21, 18011		70
5	Excess Molar Volume and Viscosity Deviation for the Methanol + Methyl Methacrylate Binary System at T = (283.15 to 333.15) K. *Journal of Chemical & Engineering Data*, **2008**, 53, 1836-1840	2.8	29

4	Enhanced mechanical performance of cellulose nanocrystal doped eco-friendly calcium-alginate based bio-composite fiber with superior flame retardancy. *Textile Reseach Journal*,004051752110733	1.7	0
3	Nitrogen-coordinated single-atom catalysts with manganese and cobalt sites for acidic oxygen reduction. *Journal of Materials Chemistry A*,	13	4
2	A One-Step Fabricated Sheath-Core Stretchable Fiber Based on Liquid Metal with Superior Electric Conductivity for Wearable Sensors and Heaters. *Advanced Materials Technologies*,2101618	6.8	6
1	Polyimide Aerogel Fibers with Controllable Porous Microstructure for Super-Thermal Insulation Under Extreme Environments. *Advanced Fiber Materials*,1	10.9	2