Hongbo Fan

List of Publications by Year
in descending order

54 papers	**2,054** citations	279798 **23** h-index	243625 **44** g-index
55 all docs	**55** docs citations	**55** times ranked	**3682** citing authors

#	Article	IF	Citations
1	MOF-derived porous N–Co$_3$O$_4$@N–C nanododecahedra wrapped with reduced graphene oxide as a high capacity cathode for lithium–sulfur batteries. Journal of Materials Chemistry A, 2018, 6, 2797-2807.	10.3	266
2	Updated Metal Compounds (MOFs, ï£¿S, ï£¿OH, ï£¿N, ï£¿C) Used as Cathode Materials for Lithium–Sulfur Batteries. Advanced Energy Materials, 2018, 8, 1702607.	19.5	202
3	Prussian Blue Nanocubes with an Open Framework Structure Coated with PEDOT as High–Capacity Cathodes for Lithium–Sulfur Batteries. Advanced Materials, 2017, 29, 1700587.	21.0	170
4	Selectivity control of CO versus HCOO$^-$ production in the visible-light-driven catalytic reduction of CO2 with two cooperative metal sites. Nature Catalysis, 2019, 2, 801-808.	34.4	153
5	Compositing doped-carbon with metals, non-metals, metal oxides, metal nitrides and other materials to form bifunctional electrocatalysts to enhance metal-air battery oxygen reduction and evolution reactions. Chemical Engineering Journal, 2018, 348, 416-437.	12.7	141
6	In situ growth of cobalt sulfide hollow nanospheres embedded in nitrogen and sulfur co-doped graphene nanoholes as a highly active electrocatalyst for oxygen reduction and evolution. Journal of Materials Chemistry A, 2017, 5, 12354-12360.	10.3	93
7	Removal of tetracycline and oxytetracycline from water by magnetic Fe3O4@graphene. Environmental Science and Pollution Research, 2017, 24, 2987-2995.	5.3	84
8	Povidone–Iodine-Based Polymeric Nanoparticles for Antibacterial Applications. ACS Applied Materials & Interfaces, 2017, 9, 25738-25746.	8.0	62
9	Trace metal pollution and ecological risk assessment in agricultural soil in Dexing Pb/Zn mining area, China. Environmental Geochemistry and Health, 2019, 41, 967-980.	3.4	56
10	Assessment of trace metal contamination and ecological risk in the forest ecosystem of dexing mining area in northeast Jiangxi Province, China. Ecotoxicology and Environmental Safety, 2019, 167, 76-82.	6.0	48
11	Platinum(ii) cyclometallates featuring broad emission bands and their applications in color-tunable OLEDs and high color-rendering WOLEDs. Journal of Materials Chemistry C, 2016, 4, 6016-6026.	5.5	47
12	A molecularly imprinted chitosan doped with carbon quantum dots for fluorometric determination of perfluorooctane sulfonate. Mikrochimica Acta, 2018, 185, 473.	5.0	40
13	High performance electrochemical capacitors based on MnO$_2$/activated-carbon-paper. Journal of Materials Chemistry C, 2015, 3, 6166-6171.	5.5	39
14	A strategy to unlock the potential of CrN as a highly active oxygen reduction reaction catalyst. Journal of Materials Chemistry A, 2020, 8, 8575-8585.	10.3	38
15	A Turn-on Biosensor-Based Aptamer-Mediated Carbon Quantum Dots Nanoaggregate for Acetamiprid Detection in Complex Samples. Food Analytical Methods, 2019, 12, 668-676.	2.6	36
16	N Doped Carbon Dot Modified WO$_3$ Nanoflakes for Efficient Photoelectrochemical Water Oxidation. Advanced Materials Interfaces, 2019, 6, 1801653.	3.7	36
17	Self-assembly of a graphene oxide/MnFe$_2$O$_4$ motor by coupling shear force with capillarity for removal of toxic heavy metals. Journal of Materials Chemistry A, 2018, 6, 20861-20868.	10.3	35
18	Functionalized N-Doped Carbon Nanotube Arrays: Novel Binder-Free Anodes for Sodium-Ion Batteries. ACS Applied Materials & Interfaces, 2019, 11, 18662-18670.	8.0	32

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19	Hydrothermal preparation and characterization of nanostructured CNTs/ZnFe$_2$O$_4$ composites for solar water splitting application. Ceramics International, 2016, 42, 10520-10525.	4.8	31
20	Persistent DNA methylation changes in zebrafish following graphene quantum dots exposure in surface chemistry-dependent manner. Ecotoxicology and Environmental Safety, 2019, 169, 370-375.	6.0	31
21	Ultrasonic-microwave method in preparation of polypyrrole-coated magnetic particles for vitamin D extraction in milk. Journal of Chromatography A, 2016, 1457, 7-13.	3.7	28
22	Determination of tetracycline antibiotics in fatty food samples by selective pressurized liquid extraction coupled with high-performance liquid chromatography and tandem mass spectrometry. Journal of Separation Science, 2015, 38, 115-120.	2.5	26
23	One-dimensional Au/SiC heterojunction nanocomposites with enhanced photocatalytic and photoelectrochemical performances: Kinetics and mechanism insights. Electrochimica Acta, 2018, 267, 24-33.	5.2	24
24	Cobalt and Nitrogen Co-Doped Graphene-Carbon Nanotube Aerogel as an Efficient Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions. Catalysts, 2018, 8, 275.	3.5	24
25	Development of AIEgen–montmorillonite nanocomposite powders for computer-assisted visualization of latent fingermarks. Materials Chemistry Frontiers, 2020, 4, 2131-2136.	5.9	24
26	3D-Printed, Portable, Fluorescent-Sensing Platform for Smartphone-Capable Detection of Organophosphorus Residue Using Reaction-Based Aggregation Induced Emission Luminogens. ACS Sensors, 2021, 6, 2845-2850.	7.8	23
27	Microwave-assisted micro-solid-phase extraction for analysis of tetracycline antibiotics in environmental samples. International Journal of Environmental Analytical Chemistry, 2015, 95, 82-91.	3.3	20
28	Combination of Accelerated Solvent Extraction and Micro-Solid-Phase Extraction for Determination of Trace Antibiotics in Food Samples. Food Analytical Methods, 2015, 8, 2163-2168.	2.6	20
29	Oxygen-deficient bismuth oxychloride nanosheets: Superior photocatalytic performance. Materials Research Bulletin, 2017, 96, 478-484.	5.2	19
30	Development of Reaction-Based AIE Handy Pen for Visual Detection of Toxic Vapors. , 2021, 3, 249-254.		18
31	Determination of Trace Vitamin D in Milk Samples by Graphene-Based Magnetic Solid-Phase Extraction Method Coupled with HPLC. Food Analytical Methods, 2017, 10, 820-826.	2.6	17
32	Modeling and efficient quantified risk assessment of haze causation system in China related to vehicle emissions with uncertainty consideration. Science of the Total Environment, 2019, 668, 74-83.	8.0	17
33	Substrate-mediated growth of vanadium carbide with controllable structure as high performance electrocatalysts for dye-sensitized solar cells. RSC Advances, 2017, 7, 26710-26716.	3.6	15
34	Novel Extraction for Endocrine Disruptors in Atmospheric Particulate Matter. Analytical Letters, 2015, 48, 1355-1366.	1.8	14
35	Halobenzoquinone-mediated assembly of amino acid modified Mn-doped ZnS quantum dots for halobenzoquinones detection in drinking water. Analytica Chimica Acta, 2018, 1026, 147-154.	5.4	14
36	Titanium Dioxide@Polyaniline Core-Shell Nanowires as High-Performance and Stable Electrodes for Flexible Solid-State Supercapacitors. Electrochimica Acta, 2015, 184, 1-7.	5.2	10

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37	Improved performance of supercapacitors constructed with activated carbon papers as electrodes and vanadyl sulfate as redox electrolyte. Ionics, 2016, 22, 1253-1258.	2.4	10
38	Supercapacitors based on polyelectrolyte/ferrocenyl-surfactant complexes with high rate capability. RSC Advances, 2016, 6, 31632-31638.	3.6	9
39	On-site visual discrimination of transgenic food by water-soluble DNA-binding AIEgens. Materials Chemistry Frontiers, 2019, 3, 2647-2651.	5.9	9
40	Determination of Polychlorinated Biphenyls in Food Samples by Selective Pressurized Liquid Extraction Using Copper(II) Isonicotinate as Online Cleanup Adsorbent. Food Analytical Methods, 2016, 9, 88-94.	2.6	8
41	Synthesis, photoluminescence and electroluminescence of triphenylphosphine functionalized cyclometalated iridium(III) complexes. Dyes and Pigments, 2019, 160, 717-725.	3.7	8
42	The study of chiral recognition on ibuprofen enantiomers by a fluorescent probe based on β-cyclodextrin modified ZnS:Mn quantum dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 119002.	3.9	8
43	Azo‐Functionalized Zirconium‐Based Metal–Organic Polyhedron as an Efficient Catalyst for CO_2 Fixation with Epoxides. Chemistry - A European Journal, 2021, 27, 12890-12899.	3.3	8
44	Preparation of activated carbon paper by a novel method and application as high-performance supercapacitors. Ionics, 2016, 22, 529-534.	2.4	7
45	Strain Redistribution in Metal‐Sulfide‐Composite Anode for Enhancing Volumetric Lithium Storage. ChemElectroChem, 2018, 5, 3906-3912.	3.4	7
46	Facile preparation of porous carbon nanomaterials for robust supercapacitors. Journal of Materials Research, 2018, 33, 1142-1154.	2.6	6
47	Rapid precipitation-reduction synthesis of carbon-supported silver for efficient oxygen reduction reaction in alkaline solution. Journal of Solid State Electrochemistry, 2019, 23, 2601-2607.	2.5	5
48	Facile preparation of ultrafine manganese dioxide nanowires on activated carbon paper with enhanced capacitance for supercapacitors. Ionics, 2017, 23, 247-251.	2.4	4
49	CRISPR/Cas12a-Assisted Visual Logic-Gate Detection of Pathogenic Microorganisms Based on Water-Soluble DNA-Binding AIEgens. Frontiers in Chemistry, 2021, 9, 801972.	3.6	4
50	Recent advances in solar cells and photo-electrochemical water splitting by scanning electrochemical microscopy. Frontiers of Optoelectronics, 2018, 11, 333-347.	3.7	3
51	Effect of surface hydrophilicity on the supercapacitive performance of carbon paper. Ionics, 2017, 23, 1915-1920.	2.4	1
52	Development of Facile and Selective Fluorescent Probe for Physiological Phosphates based on Aggregation-induced Emission. Journal of Fluorescence, 2020, 30, 1197-1202.	2.5	1
53	Fabrication of silver bromide rods via an oil-in-water emulsion route and their high photocatalytic activity under direct sunlight irradiation. Journal of Sol-Gel Science and Technology, 2017, 84, 145-151.	2.4	0
54	Portable smartphone-based device for on-site detection of Hg^{2+} in water samples. International Journal of Environmental Analytical Chemistry, 2020, , 1-10.	3.3	0