

Hongbo Fan

List of Publications by Year in descending order

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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	The study of chiral recognition on ibuprofen enantiomers by a fluorescent probe based on β -cyclodextrin modified ZnS:Mn quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 119002.	3.9	8
2	Development of Reaction-Based AIE Handy Pen for Visual Detection of Toxic Vapors. , 2021, 3, 249-254.		18
3	Azo-Functionalized Zirconium-Based Metal-Organic Polyhedron as an Efficient Catalyst for CO ₂ Fixation with Epoxides. <i>Chemistry - A European Journal</i> , 2021, 27, 12890-12899.	3.3	8
4	3D-Printed, Portable, Fluorescent-Sensing Platform for Smartphone-Capable Detection of Organophosphorus Residue Using Reaction-Based Aggregation Induced Emission Luminogens. <i>ACS Sensors</i> , 2021, 6, 2845-2850.	7.8	23
5	CRISPR/Cas12a-Assisted Visual Logic-Gate Detection of Pathogenic Microorganisms Based on Water-Soluble DNA-Binding AIEgens. <i>Frontiers in Chemistry</i> , 2021, 9, 801972.	3.6	4
6	Development of Facile and Selective Fluorescent Probe for Physiological Phosphates based on Aggregation-induced Emission. <i>Journal of Fluorescence</i> , 2020, 30, 1197-1202.	2.5	1
7	A strategy to unlock the potential of CrN as a highly active oxygen reduction reaction catalyst. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8575-8585.	10.3	38
8	Portable smartphone-based device for on-site detection of Hg ²⁺ in water samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, , 1-10.	3.3	0
9	Development of AIEgen-based montmorillonite nanocomposite powders for computer-assisted visualization of latent fingerprints. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2131-2136.	5.9	24
10	Selectivity control of CO versus HCOO ⁻ production in the visible-light-driven catalytic reduction of CO ₂ with two cooperative metal sites. <i>Nature Catalysis</i> , 2019, 2, 801-808.	34.4	153
11	On-site visual discrimination of transgenic food by water-soluble DNA-binding AIEgens. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2647-2651.	5.9	9
12	Rapid precipitation-reduction synthesis of carbon-supported silver for efficient oxygen reduction reaction in alkaline solution. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 2601-2607.	2.5	5
13	Functionalized N-Doped Carbon Nanotube Arrays: Novel Binder-Free Anodes for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18662-18670.	8.0	32
14	Modeling and efficient quantified risk assessment of haze causation system in China related to vehicle emissions with uncertainty consideration. <i>Science of the Total Environment</i> , 2019, 668, 74-83.	8.0	17
15	Synthesis, photoluminescence and electroluminescence of triphenylphosphine functionalized cyclometalated iridium(III) complexes. <i>Dyes and Pigments</i> , 2019, 160, 717-725.	3.7	8
16	A Turn-on Biosensor-Based Aptamer-Mediated Carbon Quantum Dots Nanoaggregate for Acetamidiprid Detection in Complex Samples. <i>Food Analytical Methods</i> , 2019, 12, 668-676.	2.6	36
17	Persistent DNA methylation changes in zebrafish following graphene quantum dots exposure in surface chemistry-dependent manner. <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 370-375.	6.0	31
18	N Doped Carbon Dot Modified WO ₃ Nanoflakes for Efficient Photoelectrochemical Water Oxidation. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801653.	3.7	36

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19	Assessment of trace metal contamination and ecological risk in the forest ecosystem of dexing mining area in northeast Jiangxi Province, China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 167, 76-82.	6.0	48
20	Trace metal pollution and ecological risk assessment in agricultural soil in Dexing Pb/Zn mining area, China. <i>Environmental Geochemistry and Health</i> , 2019, 41, 967-980.	3.4	56
21	One-dimensional Au/SiC heterojunction nanocomposites with enhanced photocatalytic and photoelectrochemical performances: Kinetics and mechanism insights. <i>Electrochimica Acta</i> , 2018, 267, 24-33.	5.2	24
22	Facile preparation of porous carbon nanomaterials for robust supercapacitors. <i>Journal of Materials Research</i> , 2018, 33, 1142-1154.	2.6	6
23	MOF-derived porous Co_3O_4 @C nanododecahedra wrapped with reduced graphene oxide as a high capacity cathode for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 2797-2807.	10.3	266
24	Updated Metal Compounds (MOFs, S , OH , N , C) Used as Cathode Materials for Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2018, 8, 1702607.	19.5	202
25	Halobenzoquinone-mediated assembly of amino acid modified Mn-doped ZnS quantum dots for halobenzoquinones detection in drinking water. <i>Analytica Chimica Acta</i> , 2018, 1026, 147-154.	5.4	14
26	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. <i>Chemical Engineering Journal</i> , 2018, 348, 416-437.	12.7	141
27	Self-assembly of a graphene oxide/ MnFe_2O_4 motor by coupling shear force with capillarity for removal of toxic heavy metals. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20861-20868.	10.3	35
28	Recent advances in solar cells and photo-electrochemical water splitting by scanning electrochemical microscopy. <i>Frontiers of Optoelectronics</i> , 2018, 11, 333-347.	3.7	3
29	A molecularly imprinted chitosan doped with carbon quantum dots for fluorometric determination of perfluorooctane sulfonate. <i>Mikrochimica Acta</i> , 2018, 185, 473.	5.0	40
30	Strain Redistribution in Metal-Sulfide Composite Anode for Enhancing Volumetric Lithium Storage. <i>ChemElectroChem</i> , 2018, 5, 3906-3912.	3.4	7
31	Cobalt and Nitrogen Co-Doped Graphene-Carbon Nanotube Aerogel as an Efficient Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions. <i>Catalysts</i> , 2018, 8, 275.	3.5	24
32	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. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12354-12360.	10.3	93
33	Prussian Blue Nanocubes with an Open Framework Structure Coated with PEDOT as High-Capacity Cathodes for Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2017, 29, 1700587.	21.0	170
34	Substrate-mediated growth of vanadium carbide with controllable structure as high performance electrocatalysts for dye-sensitized solar cells. <i>RSC Advances</i> , 2017, 7, 26710-26716.	3.6	15
35	Fabrication of silver bromide rods via an oil-in-water emulsion route and their high photocatalytic activity under direct sunlight irradiation. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 84, 145-151.	2.4	0
36	Povidone-Iodine-Based Polymeric Nanoparticles for Antibacterial Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25738-25746.	8.0	62

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37	Effect of surface hydrophilicity on the supercapacitive performance of carbon paper. <i>Ionics</i> , 2017, 23, 1915-1920.	2.4	1
38	Oxygen-deficient bismuth oxychloride nanosheets: Superior photocatalytic performance. <i>Materials Research Bulletin</i> , 2017, 96, 478-484.	5.2	19
39	Removal of tetracycline and oxytetracycline from water by magnetic Fe ₃ O ₄ @graphene. <i>Environmental Science and Pollution Research</i> , 2017, 24, 2987-2995.	5.3	84
40	Determination of Trace Vitamin D in Milk Samples by Graphene-Based Magnetic Solid-Phase Extraction Method Coupled with HPLC. <i>Food Analytical Methods</i> , 2017, 10, 820-826.	2.6	17
41	Facile preparation of ultrafine manganese dioxide nanowires on activated carbon paper with enhanced capacitance for supercapacitors. <i>Ionics</i> , 2017, 23, 247-251.	2.4	4
42	Improved performance of supercapacitors constructed with activated carbon papers as electrodes and vanadyl sulfate as redox electrolyte. <i>Ionics</i> , 2016, 22, 1253-1258.	2.4	10
43	Platinum(^{II}) cyclometallates featuring broad emission bands and their applications in color-tunable OLEDs and high color-rendering WOLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6016-6026.	5.5	47
44	Ultrasonic-microwave method in preparation of polypyrrole-coated magnetic particles for vitamin D extraction in milk. <i>Journal of Chromatography A</i> , 2016, 1457, 7-13.	3.7	28
45	Supercapacitors based on polyelectrolyte/ferrocenyl-surfactant complexes with high rate capability. <i>RSC Advances</i> , 2016, 6, 31632-31638.	3.6	9
46	Preparation of activated carbon paper by a novel method and application as high-performance supercapacitors. <i>Ionics</i> , 2016, 22, 529-534.	2.4	7
47	Hydrothermal preparation and characterization of nanostructured CNTs/ZnFe ₂ O ₄ composites for solar water splitting application. <i>Ceramics International</i> , 2016, 42, 10520-10525.	4.8	31
48	Determination of Polychlorinated Biphenyls in Food Samples by Selective Pressurized Liquid Extraction Using Copper(II) Isonicotinate as Online Cleanup Adsorbent. <i>Food Analytical Methods</i> , 2016, 9, 88-94.	2.6	8
49	Determination of tetracycline antibiotics in fatty food samples by selective pressurized liquid extraction coupled with high-performance liquid chromatography and tandem mass spectrometry. <i>Journal of Separation Science</i> , 2015, 38, 115-120.	2.5	26
50	Microwave-assisted micro-solid-phase extraction for analysis of tetracycline antibiotics in environmental samples. <i>International Journal of Environmental Analytical Chemistry</i> , 2015, 95, 82-91.	3.3	20
51	Combination of Accelerated Solvent Extraction and Micro-Solid-Phase Extraction for Determination of Trace Antibiotics in Food Samples. <i>Food Analytical Methods</i> , 2015, 8, 2163-2168.	2.6	20
52	Novel Extraction for Endocrine Disruptors in Atmospheric Particulate Matter. <i>Analytical Letters</i> , 2015, 48, 1355-1366.	1.8	14
53	High performance electrochemical capacitors based on MnO ₂ /activated-carbon-paper. <i>Journal of Materials Chemistry C</i> , 2015, 3, 6166-6171.	5.5	39
54	Titanium Dioxide@Polyaniline Core-Shell Nanowires as High-Performance and Stable Electrodes for Flexible Solid-State Supercapacitors. <i>Electrochimica Acta</i> , 2015, 184, 1-7.	5.2	10