Fanglin Du

List of Publications by Year in descending order

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108 papers	2,389 citations	201674 27 h-index	265206 42 g-index
108 all docs	108 docs citations	108 times ranked	2836 citing authors

#	Article	IF	Citations
1	Boron doped graphdiyne: A metal-free peroxidase mimetic nanozyme for antibacterial application. Nano Research, 2022, 15, 1446-1454.	10.4	64
2	AuAg nanocages/graphdiyne for rapid elimination and detection of trace pathogenic bacteria. Journal of Colloid and Interface Science, 2022, 613, 376-383.	9.4	23
3	Plasmonic Nanozyme of Graphdiyne Nanowalls Wrapped Hollow Copper Sulfide Nanocubes for Rapid Bacteriaâ€Killing. Advanced Functional Materials, 2022, 32, .	14.9	61
4	Piezoelectric enhanced peroxidase-like activity of metal-free sulfur doped graphdiyne nanosheets for efficient water pollutant degradation and bacterial disinfection. Nano Today, 2022, 43, 101429.	11.9	53
5	Mitigation of RuO₆ octahedron distortion by enhanced A-site electronegativity in pyrochlore for acidic water oxidation. Journal of Materials Chemistry A, 2022, 10, 9419-9426.	10.3	10
6	Bioinspired, High-Strength, and Flexible MXene/Aramid Fiber for Electromagnetic Interference Shielding Papers with Joule Heating Performance. ACS Nano, 2022, 16, 6700-6711.	14.6	120
7	Cookies-like Ag2S/Bi4NbO8Cl heterostructures for high efficient and stable photocatalytic degradation of refractory antibiotics utilizing full-spectrum solar energy. Separation and Purification Technology, 2022, 292, 120969.	7.9	12
8	Piezoelectric Activatable Nanozyme-Based Skin Patch for Rapid Wound Disinfection. ACS Applied Materials & Interfaces, 2022, 14, 26455-26468.	8.0	27
9	Defect-engineering of Pt/Bi₄NbO₈Br heterostructures for synergetic promotional photocatalytic removal of versatile organic contaminants. Journal of Materials Chemistry C, 2021, 9, 2784-2792.	5.5	13
10	Perovskite With Tunable Active-Sites Oxidation State by High-Valence W for Enhanced Oxygen Evolution Reaction. Frontiers in Chemistry, 2021, 9, 809111.	3.6	4
11	Hydrothermal synthesis of single-crystal Cr-doped SrTiO₃ for efficient visible-light responsive photocatalytic hydrogen evolution. Materials Research Express, 2020, 7, 015047.	1.6	26
12	2D/2D WO3Â·H2O/g-C3N4 heterostructured assemblies for enhanced photocatalytic water decontamination via strong interfacial contact. Journal of Materials Science, 2020, 55, 4238-4250.	3.7	17
13	A novel ternary Bi4NbO8Cl/BiOCl/Nb2O5 architecture via in-situ solvothermal-induced electron-trap with enhanced photocatalytic activities. Applied Surface Science, 2020, 506, 144688.	6.1	27
14	Embedding ultrasmall Ag nanoclusters in Luria-Bertani extract via light irradiation for enhanced antibacterial activity. Nano Research, 2020, 13, 203-208.	10.4	46
15	Construction of p-n type Bi2O3/Bi4NbO8Cl 0D/2D heterojunction with enhanced photodegradation performance for organic pollutants. Applied Surface Science, 2020, 529, 147248.	6.1	26
16	Vulcanization and acid etching of NiCoFe layered ternary hydroxides for enhancing oxygen evolution reaction. Journal of Alloys and Compounds, 2020, 832, 155012.	5.5	13
17	Subsequent monitoring of ferric ion and ascorbic acid using graphdiyne quantum dots-based optical sensors. Mikrochimica Acta, 2020, 187, 657.	5.0	30
18	Antibacterial Activity of Graphdiyne and Graphdiyne Oxide. Small, 2020, 16, e2001440.	10.0	71

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19	Facile synthesis of solvent-free and mechanically robust coating with self-cleaning property. Progress in Organic Coatings, 2020, 149, 105923.	3.9	3
20	Highly Luminescent AuAg Nanoclusters with Aggregation-Induced Emission for High-Performance White LED Application. ACS Sustainable Chemistry and Engineering, 2020, 8, 15336-15343.	6.7	26
21	Nanotube confinement-induced g-C3N4/TiO2 nanorods with rich oxygen vacancies for enhanced photocatalytic water decontamination. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	6
22	In-situ construction of Bi/defective Bi4NbO8Cl for non-noble metal based Mott-Schottky photocatalysts towards organic pollutants removal. Journal of Hazardous Materials, 2020, 393, 122408.	12.4	54
23	Threeâ€Dimensional Porous Feâ€“Nâ€“C Derived from Ironâ€Citrateâ€Functionalized Melamine Foam as a Highly Active Oxygen Reduction Catalyst for Znâ€“Air Batteries. Energy Technology, 2020, 8, 2000149.	3.8	7
24	A facile route to construct NiTiO3/Bi4NbO8Cl heterostructures for enhanced photocatalytic water purification. Journal of Materials Science, 2020, 55, 9330-9342.	3.7	15
25	MXene-Ti₃C₂ assisted one-step synthesis of carbon-supported TiO₂/Bi₄NbO₈Cl heterostructures for enhanced photocatalytic water decontamination. Nanophotonics, 2020, 9, 2077-2088.	6.0	31
26	Iron/Nitrogen/Phosphorus Co-Doped Three-Dimensional Porous Carbon as a Highly Efficient Electrocatalyst for Oxygen Reduction Reaction. Journal of the Electrochemical Society, 2019, 166, F935-F941.	2.9	11
27	Plasmonic Ag-promoted layered perovskite oxyhalide Bi4NbO8Cl for enhanced photocatalytic performance towards water decontamination. Journal of Alloys and Compounds, 2019, 810, 151919.	5.5	26
28	Fabrication of CdTe QDs/BiOI-Promoted TiO2 Hollow Microspheres with Superior Photocatalytic Performance Under Simulated Sunlight. Nanoscale Research Letters, 2019, 14, 50.	5.7	11
29	BiOBr flakes decoration and structural modification for CdTe/TiO2 spheres: Towards water decontamination under simulated light irradiation. Materials Science in Semiconductor Processing, 2019, 93, 331-338.	4.0	13
30	Three-dimensional Fe, N-doped carbon nanosheets on interconnected carbon skeletons as a highly efficient and stable electrocatalyst for oxygen reduction reaction. Journal of Alloys and Compounds, 2019, 788, 1274-1281.	5.5	29
31	Cations promoting synthesis of self-supported nanoporous silver electrode and its catalytic activity for oxygen reduction reaction. Applied Surface Science, 2019, 464, 21-29.	6.1	5
32	Silver Dopingâ€Induced Luminescence Enhancement and Redâ€Shift of Gold Nanoclusters with Aggregationâ€Induced Emission. Chemistry - an Asian Journal, 2019, 14, 765-769.	3.3	55
33	Enhanced interaction in TiO₂/BiVO₄ heterostructures via MXene Ti₃C₂-derived 2D-carbon for highly efficient visible-light photocatalysis. Nanotechnology, 2019, 30, 075601.	2.6	29
34	Simultaneous detection of anions and cations in mineral water by two dimensional ion chromatography. Journal of Chromatography A, 2018, 1554, 123-127.	3.7	27
35	TiO2/BiOI/CQDs: Enhanced photocatalytic properties under visible-light irradiation. Ceramics International, 2018, 44, 1348-1355.	4.8	35
36	Facile fabrication of hierarchical BiVO4/TiO2 heterostructures for enhanced photocatalytic activities under visible-light irradiation. Journal of Materials Science, 2018, 53, 11329-11342.	3.7	31

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37	A novel ternary TiO 2 /CQDs/BiOX (Xâ€¯=â€¯Cl, Br, I) heterostructure as photocatalyst for water purification under solar irradiation. Journal of Solid State Chemistry, 2018, 264, 77-85.	2.9	25
38	High efficiency red emission carbon dots based on phenylene diisocyanate for trichromatic white and red LEDs. Journal of Materials Chemistry C, 2018, 6, 9631-9635.	5.5	50
39	Effects of Gd3+ modifications on the photoelectrochemical properties of TiO2-based dye-sensitized solar cells. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	5
40	Synthesis and higher catalytic property of the novel bimetallic Niâ€“Fe/SiO2 microspheres with mesoporous structure. Journal of Materials Research, 2017, 32, 766-774.	2.6	4
41	High color rendering index trichromatic white and red LEDs prepared from silane-functionalized carbon dots. Journal of Materials Chemistry C, 2017, 5, 9629-9637.	5.5	62
42	Green lightâ€“emitting diodes with high efficiency organosilane-functionalized carbon dots. Integrated Ferroelectrics, 2017, 181, 70-77.	0.7	5
43	Synthesis, Characterization and Catalytic Properties of Monometal/SiO2 and Bimetal/SiO2 Hollow Spheres with Mesoporous Structure. Nano, 2017, 12, 1750148.	1.0	1
44	A Cost Effective Cobalt Nickel Nanoparticles Catalyst with Exceptional Performance for Hydrolysis of Ammonia-Borane. Journal of Nanoscience and Nanotechnology, 2017, 17, 9333-9338.	0.9	4
45	Two-photon saturable absorption properties and laser Q-switch application of carbon quantum dots. Optics Letters, 2017, 42, 3972.	3.3	16
46	Sustainable utilization of lignocellulose: Preparation of furan derivatives from carbohydrate biomass by bifunctional lignosulfonate-based catalysts. Catalysis Communications, 2016, 84, 159-162.	3.3	17
47	Yttrium doped TiO 2 porous film photoanode for dye-sensitized solar cells with enhanced photovoltaic performance. Results in Physics, 2016, 6, 1051-1058.	4.1	29
48	Electrodeposition of Prussian blue films on Ni₃Si₂O₅(OH)₄ hollow nanospheres and their enhanced electrochromic properties. RSC Advances, 2016, 6, 39833-39838.	3.6	10
49	Polymeric iron(III) acetate derived hierarchical maghemite microstructures assembled by porous nanobelts for improved lithium storage performances. Synthetic Metals, 2016, 221, 284-290.	3.9	1
50	The reaction mechanism for highly effective hydrodechlorination of p-chlorophenol over a Pd/CNTs catalyst. RSC Advances, 2016, 6, 109023-109029.	3.6	9
51	An efficient route from reproducible glucose to 5-hydroxymethylfurfural catalyzed by porous coordination polymer heterogeneous catalysts. Chemical Engineering Journal, 2016, 300, 177-184.	12.7	80
52	Synthesis and properties of a green and self-cleaning hard protective coating. Progress in Organic Coatings, 2016, 94, 34-40.	3.9	18
53	Facile surfactant-assisted synthesis of CTAB-incorporated MoS₂ ultrathin nanosheets for efficient hydrogen evolution. RSC Advances, 2016, 6, 16730-16735.	3.6	39
54	Synthesis under mild conditions and high catalytic property of bimetal Niâ€“Cu/SiO2 hollow spheres. RSC Advances, 2015, 5, 102436-102440.	3.6	13

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55	Fabrication of ordered arrays of CNT/TiO₂ nanotubes and their photocatalytic properties. RSC Advances, 2015, 5, 20976-20980.	3.6	11
56	Polypyrrole-assisted synthesis of roselike MoS₂/nitrogen-containing carbon/graphene hybrids and their robust lithium storage performances. RSC Advances, 2015, 5, 62624-62629.	3.6	18
57	Flower-like nickel oxide micro/nanostructures: synthesis and enhanced electrochromic properties. RSC Advances, 2015, 5, 38706-38711.	3.6	31
58	Template synthesis of NiO ultrathin nanosheets using polystyrene nanospheres and their electrochromic properties. RSC Advances, 2015, 5, 38533-38537.	3.6	27
59	Preparation of Gd-doped TiO2 hollow spheres with enhanced photocatalytic performance. Journal of Sol-Gel Science and Technology, 2015, 76, 699-707.	2.4	6
60	Synthesis of Mesoporous Nickel-Silica Hollow Microspheres Catalysts and Its Catalytic Performance. Integrated Ferroelectrics, 2015, 162, 122-128.	0.7	0
61	Controllable Synthesis and Electrochemical Behavior of Micro/Nano Octahedron Ceria. Integrated Ferroelectrics, 2015, 163, 89-97.	0.7	1
62	Fabrication of TiO2/MS (M = Pb, Zn) coreâ€“shell coaxial nanotube arrays and their photocatalytic properties. RSC Advances, 2015, 5, 5307-5311.	3.6	10
63	Synthesis and characterization of TiO2/WO3 composite nanotubes for photocatalytic applications. Journal of Materials Science, 2015, 50, 21-27.	3.7	27
64	Organized Arrays of TiO₂/ZnO Nanotube Coaxial Coreâ€“Shell Heterojunctions for Photocatalytic Applications. Science of Advanced Materials, 2015, 7, 337-344.	0.7	6
65	Water-swellable thermoplastic vulcanizates based on ethyleneâ€“vinyl acetate copolymer/chlorinated polyethylene/cross-linked sodium polyacrylate/nitrile butadiene rubber blends. Journal of Thermoplastic Composite Materials, 2014, 27, 1112-1126.	4.2	8
66	Synthesis and characterization of TiO2/ZrO2 coaxial coreâ€“shell composite nanotubes for photocatalytic applications. Ceramics International, 2014, 40, 12647-12653.	4.8	42
67	Thermoplastic elastomers based on high-density polyethylene and waste ground rubber tire composites compatibilized by styreneâ€“butadiene block copolymer. Journal of Thermoplastic Composite Materials, 2014, 27, 1479-1492.	4.2	21
68	Effect of HAuCl4concentration on electrochemical DNA sensing behaviors of Au/nanoSPAN nanocomposite. Analytical Methods, 2014, 6, 8554-8558.	2.7	0
69	Synthesis and photocatalytic activity of TiO2/CeO2 coreâ€“shell nanotubes. Materials Science in Semiconductor Processing, 2014, 26, 657-662.	4.0	20
70	Facile synthesis of hierarchically porous hematite nanostructures composed of aligned nanorods for superior lithium storage capability. Journal of Power Sources, 2014, 272, 997-1002.	7.8	13
71	Investigation into hydrolysis and alcoholysis of sodium borohydride in ethanolâ€“water solutions in the presence of supported Coâ€“Ceâ€“B catalyst. International Journal of Hydrogen Energy, 2014, 39, 13087-13097.	7.1	27
72	Measurement of trace nitrate concentrations in seawater by ion chromatography with valve switching. Chinese Journal of Oceanology and Limnology, 2014, 32, 732-736.	0.7	7

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73	Facile Reflux Method Synthesis, Photo-Catalyst and Electrochemical Properties of Micro-Sized Subuliform CeO₂. Science of Advanced Materials, 2014, 6, 2688-2693.	0.7	3
74	Mechanical, Water-swelling, and Morphological Properties of Water-swellable Thermoplastic Vulcanizates Based on Polyvinyl Chloride/Crosslinked Sodium Polyacrylate/Chlorinated Polyethylene Blends. Journal of Macromolecular Science - Physics, 2013, 52, 1322-1340.	1.0	5
75	Zinc Dimethacrylate-Reinforced Thermoplastic Vulcanizates Based on Chlorinated Polyethylene Rubber/Ethylene-Vinyl Acetate Copolymer. Journal of Macromolecular Science - Physics, 2013, 52, 178-189.	1.0	10
76	Hydrothermal Synthesis and Effects on Morphology of Micron Materials of CeCO₃OH. Science of Advanced Materials, 2013, 5, 769-773.	0.7	4
77	Synthesis of Carbon Fiber by Acetylene Polymerization on Nanostructured Cuprous Oxide Prepared by Hydrothermal-Reductions. Integrated Ferroelectrics, 2012, 136, 93-98.	0.7	0
78	Thermoplastic elastomer based on high impact polystyrene/ethylene-vinyl acetate copolymer/waste ground rubber tire powder composites compatibilized by styrene-butadiene-styrene block copolymer. Materials Chemistry and Physics, 2012, 136, 1124-1129.	4.0	28
79	Controlled synthesis and catalytic properties of mesoporous nickelâ€“silica coreâ€“shell microspheres with tunable chamber structures. Materials Research Bulletin, 2012, 47, 2344-2348.	5.2	13
80	Formation of carbon fiber florets using copper tartrate catalyst precursors. Materials Letters, 2011, 65, 2779-2782.	2.6	4
81	Synthesis and Growth of Flower-Like Zn-Doped CdSe Microstructures. Journal of Dispersion Science and Technology, 2010, 31, 289-292.	2.4	2
82	A simple method to controlled synthesis of CeO2 hollow microspheres. Scripta Materialia, 2009, 61, 48-51.	5.2	42
83	Hydrothermal synthesis of single-crystalline CeCO3OH flower-like nanostructures and their thermal conversion to CeO2. Materials Chemistry and Physics, 2009, 113, 53-56.	4.0	33
84	Controllable synthesis of hexagonal pine-like Cd1â^'xZnxSe nanotrees using the self-prepared precursors. Materials Chemistry and Physics, 2009, 116, 335-338.	4.0	1
85	Shape controlled synthesis of Cu2O and its catalytic application to synthesize amorphous carbon nanofibers. Materials Research Bulletin, 2009, 44, 25-29.	5.2	35
86	Sonochemical synthesis of luminescent CeCO3OH one-dimensional quadrangular prisms. Materials Research Bulletin, 2009, 44, 1959-1962.	5.2	10
87	Synthesis of basic magnesium carbonate microrods with a surface of â€œhouse of cardsâ€•structure. Materials Letters, 2009, 63, 985-988.	2.6	13
88	Catalytic synthesis of carbon nanofibers and nanotubes by the pyrolysis of acetylene with iron nanoparticles prepared using a hydrogen-arc plasma method. Materials Letters, 2009, 63, 1677-1679.	2.6	16
89	Simple and rapid synthesis of core-shell SiO2/Mg(OH)2 spheres under ambient conditions. Materials Letters, 2009, 63, 2126-2128.	2.6	3
90	Synthesis of basic magnesium carbonate microrods with a â€œhouse of cardsâ€•surface structure using rod-like particle template. Journal of Physics and Chemistry of Solids, 2009, 70, 401-404.	4.0	23

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91	Controllable synthesis of flower-like Cd1â^'xZnxSe microstructures from the self-prepared precursor. Journal of Alloys and Compounds, 2009, 478, 513-515.	5.5	5
92	Preparation and characterization of Pd/Si-MCM-41 with high hydrogenation activity. Journal of Porous Materials, 2008, 15, 613-617.	2.6	8
93	Controllable synthesis and growth of flower-like ZnSe microstructures. Materials Letters, 2008, 62, 1333-1335.	2.6	7
94	Controlled synthesis of mesoporous SiO2/Ni3Si2O5(OH)4 coreâ€"shell microspheres with tunable chamber structures via a self-template method. Chemical Communications, 2008, , 2911.	4.1	42
95	Synthesis of Single-crystalline CeCO₃OH with Shuttle Morphology and Their Thermal Conversion to CeO₂. Crystal Growth and Design, 2008, 8, 2674-2677.	3.0	51
96	A Direct and Rapid Route to Synthesize Pd/Siâ€MCMâ€41 at Room Temperature. Journal of Dispersion Science and Technology, 2007, 28, 1325-1328.	2.4	0
97	Synthesis and characterization of bundle-like structures consisting of single crystal Ce(OH)CO3 nanorods. Materials Letters, 2007, 61, 694-696.	2.6	20
98	Solvothermal growth of single-crystal hexagonal prismatic SrCO3 microrods. Crystal Research and Technology, 2007, 42, 216-220.	1.3	9
99	Solvothermal synthesis of fusiform hexagonal prism SrCO3 microrods via ethylene glycol solution. Materials Research Bulletin, 2007, 42, 1550-1555.	5.2	20
100	Solvothermal synthesis of SrCO3 hexahedral ellipsoids. Materials Letters, 2007, 61, 3262-3264.	2.6	24
101	Flower-like Se nanorods synthesized via carbamide-assisted hydrothermal routes. Journal of Materials Science, 2007, 42, 9476-9479.	3.7	4
102	Synthesis and Characterization of Single-Crystal Ce(OH)CO3and CeO2Triangular Microplates. Inorganic Chemistry, 2006, 45, 4167-4169.	4.0	93
103	Solvothermal synthesis of CdSe nanorods via DEA solution. Materials Chemistry and Physics, 2006, 98, 422-424.	4.0	26
104	Hydrothermal synthesis of ZnSe hollow micropheres. Crystal Research and Technology, 2006, 41, 323-327.	1.3	30
105	Hydrothermal synthesis of SnO2 hollow microspheres. Materials Letters, 2005, 59, 2563-2565.	2.6	71
106	One-step synthesis of porous palladium nanostructures by H2+He arc plasma method. Journal of Nanoparticle Research, 2005, 7, 95-99.	1.9	1
107	Neural Network Inspired Design of Highly Active and Durable N-Doped Carbon Interconnected Molybdenum Phosphide for Hydrogen Evolution Reaction. ACS Applied Energy Materials, 0, , .	5.1	7
108	Mesoporous Mn-Doped FeP: Facile Synthesis and Enhanced Electrocatalytic Activity for Hydrogen Evolution in a Wide pH Range. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	6