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	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
2	Synthesis and Characterization of Single-Crystal Ce(OH)CO3and CeO2Triangular Microplates. Inorganic Chemistry, 2006, 45, 4167-4169.	4.0	93
3	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
4	Hydrothermal synthesis of SnO2 hollow microspheres. Materials Letters, 2005, 59, 2563-2565.	2.6	71
5	Antibacterial Activity of Graphdiyne and Graphdiyne Oxide. Small, 2020, 16, e2001440.	10.0	71
6	Boron doped graphdiyne: A metal-free peroxidase mimetic nanozyme for antibacterial application. Nano Research, 2022, 15, 1446-1454.	10.4	64
7	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
8	Plasmonic Nanozyme of Graphdiyne Nanowalls Wrapped Hollow Copper Sulfide Nanocubes for Rapid Bacteriaâ€Killing. Advanced Functional Materials, 2022, 32, .	14.9	61
9	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
10	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
11	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
12	Synthesis of Single-crystalline CeCO ₃ OH with Shuttle Morphology and Their Thermal Conversion to CeO ₂ . Crystal Growth and Design, 2008, 8, 2674-2677.	3.0	51
13	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
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	Controlled synthesis of mesoporous SiO2/Ni3Si2O5(OH)4 core–shell microspheres with tunable chamber structures via a self-template method. Chemical Communications, 2008, , 2911.	4.1	42
16	A simple method to controlled synthesis of CeO2 hollow microspheres. Scripta Materialia, 2009, 61, 48-51.	5.2	42
17	Synthesis and characterization of TiO2/ZrO2 coaxial core–shell composite nanotubes for photocatalytic applications. Ceramics International, 2014, 40, 12647-12653.	4.8	42
18	Facile surfactant-assisted synthesis of CTAB-incorporated MoS ₂ ultrathin nanosheets for efficient hydrogen evolution. RSC Advances, 2016, 6, 16730-16735.	3.6	39

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19	Shape controlled synthesis of Cu2O and its catalytic application to synthesize amorphous carbon nanofibers. Materials Research Bulletin, 2009, 44, 25-29.	5.2	35
20	TiO2/BiOI/CQDs: Enhanced photocatalytic properties under visible-light irradiation. Ceramics International, 2018, 44, 1348-1355.	4.8	35
21	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
22	Flower-like nickel oxide micro/nanostructures: synthesis and enhanced electrochromic properties. RSC Advances, 2015, 5, 38706-38711.	3.6	31
23	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
24	MXene-Ti ₃ C ₂ assisted one-step synthesis of carbon-supported TiO ₂ /Bi ₄ NbO ₈ Cl heterostructures for enhanced photocatalytic water decontamination. Nanophotonics, 2020, 9, 2077-2088.	6.0	31
25	Hydrothermal synthesis of ZnSe hollow micropheres. Crystal Research and Technology, 2006, 41, 323-327.	1.3	30
26	Subsequent monitoring of ferric ion and ascorbic acid using graphdiyne quantum dots-based optical sensors. Mikrochimica Acta, 2020, 187, 657.	5.0	30
27	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
28	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
29	Enhanced interaction in TiO ₂ /BiVO ₄ heterostructures via MXene Ti ₃ C ₂ -derived 2D-carbon for highly efficient visible-light photocatalysis. Nanotechnology, 2019, 30, 075601.	2.6	29
30	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
31	Investigation into hydrolysis and alcoholysis of sodium borohydride in ethanol–water solutions in the presence of supported Co–Ce–B catalyst. International Journal of Hydrogen Energy, 2014, 39, 13087-13097.	7.1	27
32	Template synthesis of NiO ultrathin nanosheets using polystyrene nanospheres and their electrochromic properties. RSC Advances, 2015, 5, 38533-38537.	3.6	27
33	Synthesis and characterization of TiO2/WO3 composite nanotubes for photocatalytic applications. Journal of Materials Science, 2015, 50, 21-27.	3.7	27
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	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
36	Piezoelectric Activatable Nanozyme-Based Skin Patch for Rapid Wound Disinfection. ACS Applied Materials & Samp; Interfaces, 2022, 14, 26455-26468.	8.0	27

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37	Solvothermal synthesis of CdSe nanorods via DEA solution. Materials Chemistry and Physics, 2006, 98, 422-424.	4.0	26
38	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
39	Hydrothermal synthesis of single-crystal Cr-doped SrTiO ₃ for efficient visible-light responsive photocatalytic hydrogen evolution. Materials Research Express, 2020, 7, 015047.	1.6	26
40	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
41	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
42	A novel ternary TiO 2 /CQDs/BiOX (X = Cl, Br, I) heterostructure as photocatalyst for water purification under solar irradiation. Journal of Solid State Chemistry, 2018, 264, 77-85.	2.9	25
43	Solvothermal synthesis of SrCO3 hexahedral ellipsoids. Materials Letters, 2007, 61, 3262-3264.	2.6	24
44	Synthesis of basic magnesium carbonate microrods with a "house of cards―surface structure using rod-like particle template. Journal of Physics and Chemistry of Solids, 2009, 70, 401-404.	4.0	23
45	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
46	Thermoplastic elastomers based on high-density polyethylene and waste ground rubber tire composites compatibilized by styrene–butadiene block copolymer. Journal of Thermoplastic Composite Materials, 2014, 27, 1479-1492.	4.2	21
47	Synthesis and characterization of bundle-like structures consisting of single crystal Ce(OH)CO3 nanorods. Materials Letters, 2007, 61, 694-696.	2.6	20
48	Solvothermal synthesis of fusiform hexagonal prism SrCO3 microrods via ethylene glycol solution. Materials Research Bulletin, 2007, 42, 1550-1555.	5.2	20
49	Synthesis and photocatalytic activity of TiO2/CeO2 core–shell nanotubes. Materials Science in Semiconductor Processing, 2014, 26, 657-662.	4.0	20
50	Polypyrrole-assisted synthesis of roselike MoS ₂ /nitrogen-containing carbon/graphene hybrids and their robust lithium storage performances. RSC Advances, 2015, 5, 62624-62629.	3.6	18
51	Synthesis and properties of a green and self-cleaning hard protective coating. Progress in Organic Coatings, 2016, 94, 34-40.	3.9	18
52	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
53	2D/2D WO3·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
54	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

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55	Two-photon saturable absorption properties and laser Q-switch application of carbon quantum dots. Optics Letters, 2017, 42, 3972.	3.3	16
56	A facile route to construct NiTiO3/Bi4NbO8Cl heterostructures for enhanced photocatalytic water purification. Journal of Materials Science, 2020, 55, 9330-9342.	3.7	15
57	Synthesis of basic magnesium carbonate microrods with a surface of "house of cards―structure. Materials Letters, 2009, 63, 985-988.	2.6	13
58	Controlled synthesis and catalytic properties of mesoporous nickel–silica core–shell microspheres with tunable chamber structures. Materials Research Bulletin, 2012, 47, 2344-2348.	5.2	13
59	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
60	Synthesis under mild conditions and high catalytic property of bimetal Ni–Cu/SiO2 hollow spheres. RSC Advances, 2015, 5, 102436-102440.	3.6	13
61	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
62	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
63	Defect-engineering of Pt/Bi ₄ NbO ₈ Br heterostructures for synergetic promotional photocatalytic removal of versatile organic contaminants. Journal of Materials Chemistry C, 2021, 9, 2784-2792.	5.5	13
64	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
65	Fabrication of ordered arrays of CNT/TiO ₂ nanotubes and their photocatalytic properties. RSC Advances, 2015, 5, 20976-20980.	3.6	11
66	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
67	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
68	Sonochemical synthesis of luminescent CeCO3OH one-dimensional quadrangular prisms. Materials Research Bulletin, 2009, 44, 1959-1962.	5.2	10
69	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
70	Fabrication of TiO2/MS (M = Pb, Zn) core–shell coaxial nanotube arrays and their photocatalytic properties. RSC Advances, 2015, 5, 5307-5311.	3.6	10
71	Electrodeposition of Prussian blue films on Ni ₃ Si ₂ O ₅ (OH) ₄ hollow nanospheres and their enhanced electrochromic properties. RSC Advances, 2016, 6, 39833-39838.	3.6	10
72	Mitigation of RuO ₆ 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

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73	Solvothermal growth of single-crystal hexagonal prismatic SrCO3 microrods. Crystal Research and Technology, 2007, 42, 216-220.	1.3	9
74	The reaction mechanism for highly effective hydrodechlorination of p-chlorophenol over a Pd/CNTs catalyst. RSC Advances, 2016, 6, 109023-109029.	3.6	9
75	Preparation and characterization of Pd/Si-MCM-41 with high hydrogenation activity. Journal of Porous Materials, 2008, 15, 613-617.	2.6	8
76	Water-swellable thermoplastic vulcanizates based on ethylene–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
77	Controllable synthesis and growth of flower-like ZnSe microstructures. Materials Letters, 2008, 62, 1333-1335.	2.6	7
78	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
79	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
80	Threeâ€Dimensional Porous Fe–N–C Derived from Ironâ€Citrateâ€Functionalized Melamine Foam as a Highly Active Oxygen Reduction Catalyst for Zn–Air Batteries. Energy Technology, 2020, 8, 2000149.	3.8	7
81	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
82	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
83	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
84	Organized Arrays of TiO ₂ /ZnO Nanotube Coaxial Core–Shell Heterojunctions for Photocatalytic Applications. Science of Advanced Materials, 2015, 7, 337-344.	0.7	6
85	Controllable synthesis of flower-like Cd1 \hat{a} °xZnxSe microstructures from the self-prepared precursor. Journal of Alloys and Compounds, 2009, 478, 513-515.	5.5	5
86	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
87	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
88	Green light–emitting diodes with high efficiency organosilane-functionalized carbon dots. Integrated Ferroelectrics, 2017, 181, 70-77.	0.7	5
89	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
90	Flower-like Se nanorods synthesized via carbamide-assisted hydrothermal routes. Journal of Materials Science, 2007, 42, 9476-9479.	3.7	4

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91	Formation of carbon fiber florets using copper tartrate catalyst precursors. Materials Letters, 2011, 65, 2779-2782.	2.6	4
92	Synthesis and higher catalytic property of the novel bimetallic Ni–Fe/SiO2 microspheres with mesoporous structure. Journal of Materials Research, 2017, 32, 766-774.	2.6	4
93	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
94	Hydrothermal Synthesis and Effects on Morphology of Micron Materials of CeCO ₃ OH. Science of Advanced Materials, 2013, 5, 769-773.	0.7	4
95	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
96	Simple and rapid synthesis of core-shell SiO2/Mg(OH)2 spheres under ambient conditions. Materials Letters, 2009, 63, 2126-2128.	2.6	3
97	Facile synthesis of solvent-free and mechanically robust coating with self-cleaning property. Progress in Organic Coatings, 2020, 149, 105923.	3.9	3
98	Facile Reflux Method Synthesis, Photo-Catalyst and Electrochemical Properties of Micro-Sized Subuliform CeO ₂ . Science of Advanced Materials, 2014, 6, 2688-2693.	0.7	3
99	Synthesis and Growth of Flower-Like Zn-Doped CdSe Microstructures. Journal of Dispersion Science and Technology, 2010, 31, 289-292.	2.4	2
100	One-step synthesis of porous palladium nanostructures by H2+He arc plasma method. Journal of Nanoparticle Research, 2005, 7, 95-99.	1.9	1
101	Controllable synthesis of hexagonal pine-like $Cd1\hat{a}^{\circ}$ xZnxSe nanotrees using the self-prepared precursors. Materials Chemistry and Physics, 2009, 116, 335-338.	4.0	1
102	Controllable Synthesis and Electrochemical Behavior of Micro/Nano Octahedron Ceria. Integrated Ferroelectrics, 2015, 163, 89-97.	0.7	1
103	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
104	Synthesis, Characterization and Catalytic Properties of Monometal/SiO2 and Bimetal/SiO2 Hollow Spheres with Mesoporous Structure. Nano, 2017, 12, 1750148.	1.0	1
105	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
106	Synthesis of Carbon Fiber by Acetylene Polymerization on Nanostructured Cuprous Oxide Prepared by Hydrothermal-Reductions. Integrated Ferroelectrics, 2012, 136, 93-98.	0.7	0
107	Effect of HAuCl4concentration on electrochemical DNA sensing behaviors of Au/nanoSPAN nanocomposite. Analytical Methods, 2014, 6, 8554-8558.	2.7	0
108	Synthesis of Mesoporous Nickel-Silica Hollow Microspheres Catalysts and Its Catalytic Performance. Integrated Ferroelectrics, 2015, 162, 122-128.	0.7	0