

Hong Liu

List of Publications by Year in descending order

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575
papers

36,469
citations

3334

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all docs

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docs citations

583
times ranked

38578
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of 2D MXenes in energy conversion and storage systems. <i>Chemical Society Reviews</i> , 2019, 48, 72-133.	38.1	1,354
2	Synthesis of Few-Layer MoS ₂ Nanosheet-Coated TiO ₂ Nanobelt Heterostructures for Enhanced Photocatalytic Activities. <i>Small</i> , 2013, 9, 140-147.	10.0	1,166
3	Ni ₃ S ₂ nanorods/Ni foam composite electrode with low overpotential for electrocatalytic oxygen evolution. <i>Energy and Environmental Science</i> , 2013, 6, 2921.	30.8	939
4	Self-Assembled Copper-Amino Acid Nanoparticles for in Situ Glutathione- AND H ₂ O ₂ Sequentially Triggered Chemodynamic Therapy. <i>Journal of the American Chemical Society</i> , 2019, 141, 849-857.	13.7	850
5	Recent progress in design, synthesis, and applications of one-dimensional TiO ₂ nanostructured surface heterostructures: a review. <i>Chemical Society Reviews</i> , 2014, 43, 6920-6937.	38.1	726
6	One-step synthesis of Ni ₃ S ₂ nanorod@Ni(OH) ₂ nanosheet core-shell nanostructures on a three-dimensional graphene network for high-performance supercapacitors. <i>Energy and Environmental Science</i> , 2013, 6, 2216-2221.	30.8	554
7	Hierarchical porous carbon aerogel derived from bagasse for high performance supercapacitor electrode. <i>Nanoscale</i> , 2014, 6, 12120-12129.	5.6	545
8	Graphene-based nitrogen self-doped hierarchical porous carbon aerogels derived from chitosan for high performance supercapacitors. <i>Nano Energy</i> , 2015, 15, 9-23.	16.0	531
9	A Bi ₂ WO ₆ -Based Hybrid Photocatalyst with Broad Spectrum Photocatalytic Properties under UV, Visible, and Near-Infrared Irradiation. <i>Advanced Materials</i> , 2013, 25, 5075-5080.	21.0	530
10	From UV to Near-Infrared, WS ₂ Nanosheet: A Novel Photocatalyst for Full Solar Light Spectrum Photodegradation. <i>Advanced Materials</i> , 2015, 27, 363-369.	21.0	494
11	Ag ₂ O/TiO ₂ Nanobelts Heterostructure with Enhanced Ultraviolet and Visible Photocatalytic Activity. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 2385-2392.	8.0	489
12	Dynamic Pressure Mapping of Personalized Handwriting by a Flexible Sensor Matrix Based on the Mechanoluminescence Process. <i>Advanced Materials</i> , 2015, 27, 2324-2331.	21.0	468
13	Enhanced Ferroelectric-Nanocrystal-Based Hybrid Photocatalysis by Ultrasonic-Wave-Generated Piezophototronic Effect. <i>Nano Letters</i> , 2015, 15, 2372-2379.	9.1	428
14	Carbon quantum dots/hydrogenated TiO ₂ nanobelt heterostructures and their broad spectrum photocatalytic properties under UV, visible, and near-infrared irradiation. <i>Nano Energy</i> , 2015, 11, 419-427.	16.0	416
15	Synthesis of CuO nanostructures and their application for nonenzymatic glucose sensing. <i>Sensors and Actuators B: Chemical</i> , 2010, 144, 220-225.	7.8	375
16	Ultrathin N-Doped Mo ₂ C Nanosheets with Exposed Active Sites as Efficient Electrocatalyst for Hydrogen Evolution Reactions. <i>ACS Nano</i> , 2017, 11, 12509-12518.	14.6	350
17	Metal Halide Perovskite Nanosheet for X-ray High-Resolution Scintillation Imaging Screens. <i>ACS Nano</i> , 2019, 13, 2520-2525.	14.6	346
18	3D Bi ₂ MoO ₆ Nanosheet/TiO ₂ Nanobelt Heterostructure: Enhanced Photocatalytic Activities and Photoelectrochemistry Performance. <i>ACS Catalysis</i> , 2015, 5, 4530-4536.	11.2	323

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19	Water Splitting: From Electrode to Green Energy System. <i>Nano-Micro Letters</i> , 2020, 12, 131.	27.0	288
20	Structure, Synthesis, and Applications of TiO ₂ Nanobelts. <i>Advanced Materials</i> , 2015, 27, 2557-2582.	21.0	287
21	La(OH) ₃ and La ₂ O ₃ Nanobelts—Synthesis and Physical Properties. <i>Advanced Materials</i> , 2007, 19, 470-474.	21.0	277
22	Enhanced Photocatalytic Performances of CeO ₂ /TiO ₂ Nanobelt Heterostructures. <i>Small</i> , 2013, 9, 3864-3872.	10.0	262
23	MoO ₂ nanobelts@nitrogen self-doped MoS ₂ nanosheets as effective electrocatalysts for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11358.	10.3	262
24	Self-Powered Electrical Stimulation for Enhancing Neural Differentiation of Mesenchymal Stem Cells on Graphene—Poly(3,4-ethylenedioxythiophene) Hybrid Microfibers. <i>ACS Nano</i> , 2016, 10, 5086-5095.	14.6	249
25	Flexible Electronics Based on Micro/Nanostructured Paper. <i>Advanced Materials</i> , 2018, 30, e1801588.	21.0	249
26	Silver nanoparticle-decorated porous ceramic composite for water treatment. <i>Journal of Membrane Science</i> , 2009, 331, 50-56.	8.2	247
27	Nanostructured Sheets of TiO ₂ Nanobelts for Gas Sensing and Antibacterial Applications. <i>Advanced Functional Materials</i> , 2008, 18, 1131-1137.	14.9	245
28	Enhanced catalytic performance by multi-field coupling in KNbO ₃ nanostructures: Piezo-photocatalytic and ferro-photoelectrochemical effects. <i>Nano Energy</i> , 2019, 58, 695-705.	16.0	240
29	A Photoresponsive Rutile TiO ₂ Heterojunction with Enhanced Electron—Hole Separation for High-Performance Hydrogen Evolution. <i>Advanced Materials</i> , 2019, 31, e1806596.	21.0	240
30	Three-Dimensional Hierarchical Frameworks Based on MoS ₂ Nanosheets Self-Assembled on Graphene Oxide for Efficient Electrocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21534-21540.	8.0	235
31	Engineering the Absorption and Field Enhancement Properties of Au—TiO ₂ Nanohybrids via Whispering Gallery Mode Resonances for Photocatalytic Water Splitting. <i>ACS Nano</i> , 2016, 10, 4496-4503.	14.6	230
32	Paper-Based Electrochemical Sensing Platform with Integral Battery and Electrochromic Read-Out. <i>Analytical Chemistry</i> , 2012, 84, 2528-2532.	6.5	219
33	Full-Spectrum Solar-Light-Activated Photocatalysts for Light—Chemical Energy Conversion. <i>Advanced Energy Materials</i> , 2017, 7, 1700473.	19.5	213
34	One-dimensional single-crystalline TiO ₂ based nanostructures: properties, synthesis, modifications and applications. <i>Journal of Materials Chemistry</i> , 2010, 20, 5993.	6.7	195
35	Composite-Hydroxide-Mediated Approach for the Synthesis of Nanostructures of Complex Functional-Oxides. <i>Nano Letters</i> , 2006, 6, 1535-1540.	9.1	194
36	Heterostructures construction on TiO ₂ nanobelts: A powerful tool for building high-performance photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 202, 620-641.	20.2	194

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37	Ultrathin MoO ₃ nanocrystals self-assembled on graphene nanosheets via oxygen bonding as supercapacitor electrodes of high capacitance and long cycle life. <i>Nano Energy</i> , 2015, 12, 510-520.	16.0	192
38	One-step synthesis of CdS nanoparticles/MoS ₂ nanosheets heterostructure on porous molybdenum sheet for enhanced photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2017, 210, 290-296.	20.2	192
39	Enhancement of Ethanol Vapor Sensing of TiO ₂ Nanobelts by Surface Engineering. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 3263-3269.	8.0	188
40	Development of Conductive Hydrogels for Fabricating Flexible Strain Sensors. <i>Small</i> , 2022, 18, e2101518.	10.0	188
41	Enhancing the electrochemical performance of lithium ion batteries using mesoporous Li ₃ V ₂ (PO ₄) ₃ /C microspheres. <i>Journal of Materials Chemistry</i> , 2012, 22, 5960.	6.7	176
42	Sol-gel preparation of transparent zinc oxide films with highly preferential crystal orientation. <i>Vacuum</i> , 2004, 77, 57-62.	3.5	173
43	Highly Morphology-Controllable and Highly Sensitive Capacitive Tactile Sensor Based on Epidermis-Inspired Interlocked Asymmetric Nanocone Arrays for Detection of Tiny Pressure. <i>Small</i> , 2020, 16, e1904774.	10.0	166
44	Structure, Conductivity, and Thermopower of Crystalline Polyaniline Synthesized by the Ultrasonic Irradiation Polymerization Method. <i>Macromolecules</i> , 2002, 35, 9414-9419.	4.8	165
45	Sulfur and nitrogen self-doped carbon nanosheets derived from peanut root nodules as high-efficiency non-metal electrocatalyst for hydrogen evolution reaction. <i>Nano Energy</i> , 2015, 16, 357-366.	16.0	162
46	Direct synthesis and structure characterization of ultrafine CeO ₂ nanoparticles. <i>Nanotechnology</i> , 2006, 17, 5983-5987.	2.6	159
47	Photocatalysis from UV/Vis to Near-Infrared Light: Towards Full Solar Light Spectrum Activity. <i>ChemCatChem</i> , 2015, 7, 559-573.	3.7	148
48	Confined distribution of platinum clusters on MoO ₂ hexagonal nanosheets with oxygen vacancies as a high-efficiency electrocatalyst for hydrogen evolution reaction. <i>Nano Energy</i> , 2019, 62, 127-135.	16.0	143
49	Nanoheterostructures on TiO ₂ nanobelts achieved by acid hydrothermal method with enhanced photocatalytic and gas sensitive performance. <i>Journal of Materials Chemistry</i> , 2011, 21, 7937.	6.7	142
50	Metallic Ni ₃ Mo ₃ N Porous Microrods with Abundant Catalytic Sites as Efficient Electrocatalyst for Large Current Density and Superstability of Hydrogen Evolution Reaction and Water Splitting. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118956.	20.2	138
51	NiO-TiO ₂ heterostructured nanocables bridged by zero-bandgap rGO for highly efficient photocatalytic water splitting. <i>Nano Energy</i> , 2015, 16, 207-217.	16.0	136
52	Gold and gold-palladium alloy nanoparticles on heterostructured TiO ₂ nanobelts as plasmonic photocatalysts for benzyl alcohol oxidation. <i>Nanoscale</i> , 2015, 7, 209-217.	5.6	136
53	In ₂ S ₃ nanomaterial as a broadband spectrum photocatalyst to display significant activity. <i>Applied Catalysis B: Environmental</i> , 2015, 176-177, 83-90.	20.2	135
54	Few-layered MoS ₂ nanosheets wrapped ultrafine TiO ₂ nanobelts with enhanced photocatalytic property. <i>Nanoscale</i> , 2016, 8, 6101-6109.	5.6	131

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55	Enhanced Photocatalytic Property of Reduced Graphene Oxide/TiO ₂ Nanobelt Surface Heterostructures Constructed by an In Situ Photochemical Reduction Method. <i>Small</i> , 2014, 10, 3775-3782.	10.0	130
56	Ni@NiO Nanowires on Nickel Foam Prepared via "Acid Hungry" Strategy: High Supercapacitor Performance and Robust Electrocatalysts for Water Splitting Reaction. <i>Small</i> , 2018, 14, e1800294.	10.0	130
57	Regulating the vertical phase distribution by fullerene-derivative in high performance ternary organic solar cells. <i>Nano Energy</i> , 2018, 46, 81-90.	16.0	129
58	Photoluminescence Origin of Zero-Dimensional Cs ₄ PbBr ₆ Perovskite. <i>ACS Energy Letters</i> , 2020, 5, 87-99.	17.4	128
59	Construction of a 3D rGO-collagen hybrid scaffold for enhancement of the neural differentiation of mesenchymal stem cells. <i>Nanoscale</i> , 2016, 8, 1897-1904.	5.6	127
60	Surface modification and functionalization of silk fibroin fibers/fabric toward high performance applications. <i>Materials Science and Engineering C</i> , 2012, 32, 627-636.	7.3	126
61	Promotion of Overall Water Splitting Activity Over a Wide pH Range by Interfacial Electrical Effects of Metallic NiCo-nitrides Nanoparticle/NiCo ₂ O ₄ Nanoflake/graphite Fibers. <i>Advanced Science</i> , 2019, 6, 1801829.	11.2	122
62	Ultrasensitive Physical, Bio, and Chemical Sensors Derived from 1, 2, and 3 Nanocellulosic Materials. <i>Small</i> , 2020, 16, e1906567.	10.0	122
63	Chemical assembly of TiO ₂ and TiO ₂ @Ag nanoparticles on silk fiber to produce multifunctional fabrics. <i>Journal of Colloid and Interface Science</i> , 2011, 358, 307-315.	9.4	120
64	WSe ₂ 2D p-type semiconductor-based electronic devices for information technology: Design, preparation, and applications. <i>Information Materials</i> , 2020, 2, 656-697.	17.3	115
65	Nano-p-n junctions on surface-coarsened TiO ₂ nanobelts with enhanced photocatalytic activity. <i>Journal of Materials Chemistry</i> , 2011, 21, 5106.	6.7	114
66	Multifunctional Carbon-Silica Nanocapsules with Gold Core for Synergistic Photothermal and Chemo-Cancer Therapy under the Guidance of Bimodal Imaging. <i>Advanced Functional Materials</i> , 2016, 26, 4252-4261.	14.9	113
67	Tunable Layered (Na,Mn)V ₈ O ₂₀ ·nH ₂ O Cathode Material for High-Performance Aqueous Zinc Ion Batteries. <i>Advanced Science</i> , 2020, 7, 2000083.	11.2	113
68	Ru-Ru ₂ P ₄ NPC and NPC@RuO ₂ Synthesized via Environment-Friendly and Solid-Phase Phosphating Process by Saccharomycetes as N/P Sources and Carbon Template for Overall Water Splitting in Acid Electrolyte. <i>Advanced Functional Materials</i> , 2019, 29, 1901154.	14.9	112
69	High-Performance Symmetric Supercapacitor Constructed Using Carbon Cloth Boosted by Engineering Oxygen-Containing Functional Groups. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18044-18050.	8.0	110
70	Synthesis of scaly Sn ₃ O ₄ /TiO ₂ nanobelt heterostructures for enhanced UV-visible light photocatalytic activity. <i>Nanoscale</i> , 2015, 7, 3117-3125.	5.6	108
71	TiO ₂ @Carbon Photocatalysts: The Effect of Carbon Thickness on Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1903-1912.	8.0	108
72	Phase transformation of TiO ₂ nanobelts and TiO ₂ (B)/anatase interface heterostructure nanobelts with enhanced photocatalytic activity. <i>CrystEngComm</i> , 2011, 13, 6643.	2.6	107

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73	Hierarchical TiO ₂ nanowire/graphite fiber photoelectrocatalysis setup powered by a wind-driven nanogenerator: A highly efficient photoelectrocatalytic device entirely based on renewable energy. <i>Nano Energy</i> , 2015, 11, 19-27.	16.0	107
74	One-Dimensional Ferroelectric Nanostructures: Synthesis, Properties, and Applications. <i>Advanced Science</i> , 2016, 3, 1500358.	11.2	107
75	Ni-Co-N hybrid porous nanosheets on graphene paper for flexible and editable asymmetric all-solid-state supercapacitors. <i>Nano Energy</i> , 2019, 61, 18-26.	16.0	107
76	Zinc oxide films prepared by sol-gel method. <i>Journal of Crystal Growth</i> , 2005, 275, e943-e946.	1.5	104
77	Effects of Graphene Quantum Dots on the Self-Renewal and Differentiation of Mesenchymal Stem Cells. <i>Advanced Healthcare Materials</i> , 2016, 5, 702-710.	7.6	103
78	Molybdenum carbide on hierarchical porous carbon synthesized from Cu-MoO ₂ as efficient electrocatalysts for electrochemical hydrogen generation. <i>Nano Energy</i> , 2017, 41, 749-757.	16.0	103
79	Synthesis of Bi ₂ Se ₃ thermoelectric nanosheets and nanotubes through hydrothermal co-reduction method. <i>Journal of Solid State Chemistry</i> , 2004, 177, 4001-4006.	2.9	102
80	Cobalt-Cobalt Phosphide Nanoparticles@Nitrogen-Phosphorus Doped Carbon/Graphene Derived from Cobalt Ions Adsorbed <i>Saccharomycete</i> Yeasts as an Efficient, Stable, and Large-Current-Density Electrode for Hydrogen Evolution Reactions. <i>Advanced Functional Materials</i> , 2018, 28, 1801332.	14.9	102
81	Encapsulation of a Phase-Change Material in Nanocapsules with a Well-Defined Hole in the Wall for the Controlled Release of Drugs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 10606-10611.	13.8	102
82	Oxygen-incorporated MoX (X: S, Se or P) nanosheets via universal and controlled electrochemical anodic activation for enhanced hydrogen evolution activity. <i>Nano Energy</i> , 2019, 62, 338-347.	16.0	102
83	1D Ni-Co oxide and sulfide nanoarray/carbon aerogel hybrid nanostructures for asymmetric supercapacitors with high energy density and excellent cycling stability. <i>Nanoscale</i> , 2016, 8, 16292-16301.	5.6	101
84	Suppressing Photoinduced Charge Recombination via the Lorentz Force in a Photocatalytic System. <i>Advanced Science</i> , 2019, 6, 1901244.	11.2	101
85	Engineered Microstructure Derived Hierarchical Deformation of Flexible Pressure Sensor Induces a Supersensitive Piezoresistive Property in Broad Pressure Range. <i>Advanced Science</i> , 2020, 7, 2000154.	11.2	100
86	The hybrid nanostructure of MnCo ₂ O _{4.5} nanoneedle/carbon aerogel for symmetric supercapacitors with high energy density. <i>Nanoscale</i> , 2015, 7, 14401-14412.	5.6	99
87	Hierarchical microsphere of MoNi porous nanosheets as electrocatalyst and cocatalyst for hydrogen evolution reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 249, 98-105.	20.2	98
88	Biopolymer/Calcium Phosphate Scaffolds for Bone Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2014, 3, 469-484.	7.6	97
89	Microenvironment-Driven Bioelimination of Magnetoplasmonic Nanoassemblies and Their Multimodal Imaging-Guided Tumor Photothermal Therapy. <i>ACS Nano</i> , 2016, 10, 7094-7105.	14.6	97
90	Graphene Nanostructure-Based Tactile Sensors for Electronic Skin Applications. <i>Nano-Micro Letters</i> , 2019, 11, 71.	27.0	97

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91	Metallic Intermediate Phase Inducing Morphological Transformation in Thermal Nitridation: Ni ₃ FeN-Based Three-Dimensional Hierarchical Electrocatalyst for Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 3699-3706.	8.0	96
92	Iron oxide embedded titania nanowires – An active and stable electrocatalyst for oxygen evolution in acidic media. Nano Energy, 2018, 45, 118-126.	16.0	95
93	Lignosulphonate-cellulose derived porous activated carbon for supercapacitor electrode. Journal of Materials Chemistry A, 2015, 3, 15049-15056.	10.3	93
94	YAG:Ce nano-sized phosphor particles prepared by a solvothermal method. Materials Research Bulletin, 2004, 39, 1923-1930.	5.2	92
95	Enhanced Performance of Layered Titanate Nanowire-Based Supercapacitor Electrodes by Nickel Ion Exchange. ACS Applied Materials & Interfaces, 2014, 6, 4578-4586.	8.0	92
96	Poly(lactic Acid) Nanopillar Array-Driven Osteogenic Differentiation of Human Adipose-Derived Stem Cells Determined by Pillar Diameter. Nano Letters, 2018, 18, 2243-2253.	9.1	92
97	An Ultrarobust and High-Performance Rotational Hydrodynamic Triboelectric Nanogenerator Enabled by Automatic Mode Switching and Charge Excitation. Advanced Materials, 2022, 34, e2105882.	21.0	92
98	Flexible wire-like all-carbon supercapacitors based on porous core-shell carbon fibers. Journal of Materials Chemistry A, 2014, 2, 7250-7255.	10.3	91
99	Hydrogenated TiO ₂ nanobelts as highly efficient photocatalytic organic dye degradation and hydrogen evolution photocatalyst. Journal of Hazardous Materials, 2015, 299, 165-173.	12.4	89
100	Microstructure and domain engineering of lithium niobate crystal films for integrated photonic applications. Light: Science and Applications, 2020, 9, 197.	16.6	89
101	Nonoxidized MXene Quantum Dots Prepared by Microexplosion Method for Cancer Catalytic Therapy. Advanced Functional Materials, 2020, 30, 2000308.	14.9	87
102	Microwave-assisted hydrothermal synthesis of Sn ₃ O ₄ nanosheet/rGO planar heterostructure for efficient photocatalytic hydrogen generation. Applied Catalysis B: Environmental, 2018, 227, 470-476.	20.2	86
103	Photosensitization of TiO ₂ nanorods with CdS quantum dots for photovoltaic applications: A wet-chemical approach. Nano Energy, 2012, 1, 440-447.	16.0	85
104	Preparation of cellulose fiber-TiO ₂ nanobelt-silver nanoparticle hierarchically structured hybrid paper and its photocatalytic and antibacterial properties. Chemical Engineering Journal, 2013, 228, 272-280.	12.7	85
105	Conversion of solar power to chemical energy based on carbon nanoparticle modified photo-thermoelectric generator and electrochemical water splitting system. Nano Energy, 2018, 48, 481-488.	16.0	85
106	Tailoring the ruthenium reactive sites on N doped molybdenum carbide nanosheets via the anti-Ostwald ripening as efficient electrocatalyst for hydrogen evolution reaction in alkaline media. Applied Catalysis B: Environmental, 2020, 277, 119236.	20.2	85
107	Bone repair by periodontal ligament stem cell-seeded nanohydroxyapatite-chitosan scaffold. International Journal of Nanomedicine, 2012, 7, 5405.	6.7	83
108	Realization of Low Latent Heat of a Solar Evaporator via Regulating the Water State in Wood Channels. ACS Applied Materials & Interfaces, 2020, 12, 18504-18511.	8.0	83

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109	Ni-Ni ₃ P nanoparticles embedded into N, P-doped carbon on 3D graphene frameworks via in situ phosphatization of saccharomycetes with multifunctional electrodes for electrocatalytic hydrogen production and anodic degradation. <i>Applied Catalysis B: Environmental</i> , 2020, 261, 118147.	20.2	82
110	Core-shell structured Fe ₃ O ₄ /PANI microspheres and their Cr(VI) ion removal properties. <i>Synthetic Metals</i> , 2013, 171, 1-6.	3.9	80
111	Fluorescent graphene quantum dots as traceable, pH-sensitive drug delivery systems. <i>International Journal of Nanomedicine</i> , 2015, 10, 6709.	6.7	79
112	Surface Charge Regulation of Osteogenic Differentiation of Mesenchymal Stem Cell on Polarized Ferroelectric Crystal Substrate. <i>Advanced Healthcare Materials</i> , 2015, 4, 998-1003.	7.6	79
113	In Vivo Tumor Visualization through MRI Off-On Switching of NaGdF ₄ -CaCO ₃ Nanoconjugates. <i>Advanced Materials</i> , 2019, 31, e1901851.	21.0	79
114	A three-dimensional multilevel nanoporous NiCo ₂ /Ni hybrid for highly reversible electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16222-16230.	10.3	77
115	Charge Redistribution Caused by S,P Synergistically Active Ru Endows an Ultrahigh Hydrogen Evolution Activity of S-Doped RuP Embedded in N,P,S-Doped Carbon. <i>Advanced Science</i> , 2020, 7, 2001526.	11.2	77
116	Preparation of highly dispersed YAG nano-sized powder by co-precipitation method. <i>Materials Letters</i> , 2006, 60, 962-965.	2.6	76
117	Composite-hydroxide-mediated approach as a general methodology for synthesizing nanostructures. <i>Journal of Materials Chemistry</i> , 2009, 19, 858.	6.7	75
118	Synthesis of monodisperse and spherical YAG nanopowder by a mixed solvothermal method. <i>Journal of Alloys and Compounds</i> , 2004, 372, 300-303.	5.5	74
119	A 2,7-carbazole-based dicationic salt for fluorescence detection of nucleic acids and two-photon fluorescence imaging of RNA in nucleoli and cytoplasm. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3615.	2.8	74
120	BaTiO ₃ nanocrystal-mediated micro pseudo-electrochemical cells with ultrasound-driven piezotronic enhancement for polymerization. <i>Nano Energy</i> , 2017, 39, 461-469.	16.0	74
121	<i>In Vitro</i> Assessment of the Differentiation Potential of Bone Marrow-Derived Mesenchymal Stem Cells on Genipin-Chitosan Conjugation Scaffold with Surface Hydroxyapatite Nanostructure for Bone Tissue Engineering. <i>Tissue Engineering - Part A</i> , 2011, 17, 1341-1349.	3.1	73
122	Electrochemical Flocculation Integrated Hydrogen Evolution Reaction of Fe@N-Doped Carbon Nanotubes on Iron Foam for Ultralow Voltage Electrolysis in Neutral Media. <i>Advanced Science</i> , 2019, 6, 1901458.	11.2	73
123	1319 nm and 1338 nm dual-wavelength operation of LD end-pumped Nd:YAG ceramic laser. <i>Optics Express</i> , 2010, 18, 9098.	3.4	72
124	High-Energy Faceted SnO ₂ -Coated TiO ₂ Nanobelt Heterostructure for Near-Ambient Temperature-Responsive Ethanol Sensor. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 24950-24956.	8.0	72
125	Cr(vi), Pb(ii), Cd(ii) adsorption properties of nanostructured BiOBr microspheres and their application in a continuous filtering removal device for heavy metal ions. <i>Journal of Materials Chemistry A</i> , 2014, 2, 2599.	10.3	71
126	Hydroxyapatite nanobelt/poly(lactic acid) Janus membrane with osteoinduction/barrier dual functions for precise bone defect repair. <i>Acta Biomaterialia</i> , 2018, 71, 108-117.	8.3	71

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127	Band structure engineering of bioinspired Fe doped SrMoO ₄ for enhanced photocatalytic nitrogen reduction performance. <i>Nano Energy</i> , 2019, 66, 104187.	16.0	71
128	Hierarchical hybrid nanostructures of Sn ₃ O ₄ on N doped TiO ₂ nanotubes with enhanced photocatalytic performance. <i>Journal of Materials Chemistry A</i> , 2015, 3, 19129-19136.	10.3	70
129	High yield production of reduced TiO ₂ with enhanced photocatalytic activity. <i>Applied Surface Science</i> , 2016, 360, 738-743.	6.1	70
130	Partial Nitridation-Induced Electrochemistry Enhancement of Ternary Oxide Nanosheets for Fiber Energy Storage Device. <i>Advanced Energy Materials</i> , 2018, 8, 1800685.	19.5	70
131	A simple gas sensor based on zinc ferrite hollow spheres: Highly sensitivity, excellent selectivity and long-term stability. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 34-40.	7.8	70
132	Micro/Nanostructured Interface for Liquid Manipulation and Its Applications. <i>Small</i> , 2020, 16, e1903849.	10.0	70
133	Potential of MXene-Based Heterostructures for Energy Conversion and Storage. <i>ACS Energy Letters</i> , 2022, 7, 78-96.	17.4	69
134	Fabricating high-energy quantum dots in ultra-thin LiFePO ₄ nanosheets using a multifunctional high-energy biomolecule-ATP. <i>Energy and Environmental Science</i> , 2014, 7, 2285-2294.	30.8	68
135	Energy-efficient, fully flexible, high-performance tactile sensor based on piezotronic effect: Piezoelectric signal amplified with organic field-effect transistors. <i>Nano Energy</i> , 2020, 76, 105050.	16.0	68
136	Manipulation of charge transfer in vertically aligned epitaxial ferroelectric KNbO ₃ nanowire array photoelectrodes. <i>Nano Energy</i> , 2017, 35, 92-100.	16.0	67
137	Graphene microfiber as a scaffold for regulation of neural stem cells differentiation. <i>Scientific Reports</i> , 2017, 7, 5678.	3.3	67
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