Honggang Fu

List of Publications by Year in descending order

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265 papers	28,534 citations	3731 89 h-index	6131 159 g-index
268 all docs	268 docs citations	268 times ranked	25882 citing authors

#	Article	IF	Citations
1	Ordered Mesoporous Black TiO₂ as Highly Efficient Hydrogen Evolution Photocatalyst. Journal of the American Chemical Society, 2014, 136, 9280-9283.	13.7	878
2	Phosphorusâ€Doped Carbon Nitride Tubes with a Layered Microâ€nanostructure for Enhanced Visibleâ€Light Photocatalytic Hydrogen Evolution. Angewandte Chemie - International Edition, 2016, 55, 1830-1834.	13.8	869
3	From coconut shell to porous graphene-like nanosheets for high-power supercapacitors. Journal of Materials Chemistry A, 2013, 1, 6462.	10.3	794
4	Nitrogen-doped graphene with high nitrogen level via a one-step hydrothermal reaction of graphene oxide with urea for superior capacitive energy storage. RSC Advances, 2012, 2, 4498.	3.6	696
5	Molecule Self-Assembly Synthesis of Porous Few-Layer Carbon Nitride for Highly Efficient Photoredox Catalysis. Journal of the American Chemical Society, 2019, 141, 2508-2515.	13.7	685
6	Surface tuning for oxide-based nanomaterials as efficient photocatalysts. Chemical Society Reviews, 2013, 42, 9509.	38.1	564
7	Effects of Simultaneously Doped and Deposited Ag on the Photocatalytic Activity and Surface States of TiO2. Journal of Physical Chemistry B, 2005, 109, 2805-2809.	2.6	523
8	Integrating the active OER and HER components as the heterostructures for the efficient overall water splitting. Nano Energy, 2018, 44, 353-363.	16.0	516
9	Phosphorusâ€Modified Tungsten Nitride/Reduced Graphene Oxide as a Highâ€Performance, Nonâ€Nobleâ€Metal Electrocatalyst for the Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2015, 54, 6325-6329.	13.8	515
10	Anionâ€Modulated HER and OER Activities of 3D Niâ€“Vâ€Based Interstitial Compound Heterojunctions for Highâ€Efficiency and Stable Overall Water Splitting. Advanced Materials, 2019, 31, e1901174.	21.0	479
11	Holey Reduced Graphene Oxide Coupled with an Mo₂Nâ€“Mo₂C Heterojunction for Efficient Hydrogen Evolution. Advanced Materials, 2018, 30, 1704156.	21.0	459
12	Co Nanoislands Rooted on Coâ€“Nâ€“C Nanosheets as Efficient Oxygen Electrocatalyst for Znâ€“Air Batteries. Advanced Materials, 2019, 31, e1901666.	21.0	455
13	Wellâ€Ordered Largeâ€Pore Mesoporous Anatase TiO₂ with Remarkably High Thermal Stability and Improved Crystallinity: Preparation, Characterization, and Photocatalytic Performance. Advanced Functional Materials, 2011, 21, 1922-1930.	14.9	431
14	Facile solvothermal synthesis of hierarchical flower-like Bi₂MoO₆hollow spheres as high performance visible-light driven photocatalysts. Journal of Materials Chemistry, 2011, 21, 887-892.	6.7	427
15	Synthesis of Particulate Hierarchical Tandem Heterojunctions toward Optimized Photocatalytic Hydrogen Production. Advanced Materials, 2018, 30, e1804282.	21.0	411
16	Interfacial Engineering of MoO₂â€FeP Heterojunction for Highly Efficient Hydrogen Evolution Coupled with Biomass Electrooxidation. Advanced Materials, 2020, 32, e2000455.	21.0	401
17	Effects of Surface Oxygen Vacancies on Photophysical and Photochemical Processes of Zn-Doped TiO2Nanoparticles and Their Relationships. Journal of Physical Chemistry B, 2006, 110, 17860-17865.	2.6	397
18	Nitrogenâ€Doped Porous Graphitic Carbon as an Excellent Electrode Material for Advanced Supercapacitors. Chemistry - A European Journal, 2014, 20, 564-574.	3.3	388

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19	A Stable Bifunctional Catalyst for Rechargeable Zincâ€“Air Batteries: Ironâ€“Cobalt Nanoparticles Embedded in a Nitrogenâ€Doped 3D Carbon Matrix. Angewandte Chemie - International Edition, 2018, 57, 16166-16170.	13.8	365
20	A Promoted Charge Separation/Transfer System from Cu Single Atoms and C₃N₄ Layers for Efficient Photocatalysis. Advanced Materials, 2020, 32, e2003082.	21.0	333
21	Operando Cooperated Catalytic Mechanism of Atomically Dispersed Cuâ^'N₄ and Znâ^'N₄ for Promoting Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2021, 60, 14005-14012.	13.8	312
22	Preparation and Characterization of Stable Biphase TiO₂Photocatalyst with High Crystallinity, Large Surface Area, and Enhanced Photoactivity. Journal of Physical Chemistry C, 2008, 112, 3083-3089.	3.1	288
23	Longâ€Lived, Visibleâ€Lightâ€Excited Charge Carriers of TiO₂/BiVO₄ Nanocomposites and their Unexpected Photoactivity for Water Splitting. Advanced Energy Materials, 2014, 4, 1300995.	19.5	268
24	Porous Graphitic Carbon Nanosheets Derived from Cornstalk Biomass for Advanced Supercapacitors. ChemSusChem, 2013, 6, 880-889.	6.8	257
25	3D hierarchical flower-like TiO2 nanostructure: morphology control and its photocatalytic property. CrystEngComm, 2011, 13, 2994.	2.6	237
26	Hierarchical MoS2/Bi2MoO6 composites with synergistic effect for enhanced visible photocatalytic activity. Applied Catalysis B: Environmental, 2015, 164, 40-47.	20.2	237
27	An effective strategy for small-sized and highly-dispersed palladium nanoparticles supported on graphene with excellent performance for formic acid oxidation. Journal of Materials Chemistry, 2011, 21, 3384.	6.7	235
28	Ultrathin Porous Carbon Nitride Bundles with an Adjustable Energy Band Structure toward Simultaneous Solar Photocatalytic Water Splitting and Selective Phenylcarbinol Oxidation. Angewandte Chemie - International Edition, 2021, 60, 4815-4822.	13.8	233
29	Twoâ€Dimensional Porous Molybdenum Phosphide/Nitride Heterojunction Nanosheets for pHâ€Universal Hydrogen Evolution Reaction. Angewandte Chemie - International Edition, 2021, 60, 6673-6681.	13.8	227
30	Enhanced Photocatalytic Activity and Electron Transfer Mechanisms of Graphene/TiO₂ with Exposed {001} Facets. Journal of Physical Chemistry C, 2011, 115, 23718-23725.	3.1	223
31	Exceptional Visibleâ€Lightâ€Driven Cocatalystâ€Free Photocatalytic Activity of gâ€C₃N₄ by Well Designed Nanocomposites with Plasmonic Au and SnO₂. Advanced Energy Materials, 2016, 6, 1601190.	19.5	207
32	Effect of surface species on Cu-TiO2 photocatalytic activity. Applied Surface Science, 2008, 254, 2569-2574.	6.1	201
33	Facile strategy for controllable synthesis of stable mesoporous black TiO₂ hollow spheres with efficient solar-driven photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2016, 4, 7495-7502.	10.3	198
34	Trapping [PMo₁₂O₄₀]^{3â^'} clusters into pre-synthesized ZIF-67 toward Mo_xCo_xC particles confined in uniform carbon polyhedrons for efficient overall water splitting. Chemical Science, 2018, 9, 4746-4755.	7.4	189
35	Porous NiCoP nanosheets as efficient and stable positive electrodes for advanced asymmetric supercapacitors. Journal of Materials Chemistry A, 2018, 6, 17905-17914.	10.3	189
36	Defects-engineering of magnetic Î³-Fe2O3 ultrathin nanosheets/mesoporous black TiO2 hollow sphere heterojunctions for efficient charge separation and the solar-driven photocatalytic mechanism of tetracycline degradation. Applied Catalysis B: Environmental, 2019, 240, 319-328.	20.2	188

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37	NiSeâ€Ni_{0.85}Se Heterostructure Nanoflake Arrays on Carbon Paper as Efficient Electrocatalysts for Overall Water Splitting. Small, 2018, 14, e1800763.	10.0	185
38	Hierarchical Coreâ€“Shell Carbon Nanofiber@ZnIn₂S₄ Composites for Enhanced Hydrogen Evolution Performance. ACS Applied Materials & Interfaces, 2014, 6, 13841-13849.	8.0	179
39	Facile preparation of porous NiTiO3 nanorods with enhanced visible-light-driven photocatalytic performance. Journal of Materials Chemistry, 2012, 22, 16471.	6.7	176
40	Cubic quantum dot/hexagonal microsphere ZnIn₂S₄ heterophase junctions for exceptional visible-light-driven photocatalytic H₂ evolution. Journal of Materials Chemistry A, 2017, 5, 8451-8460.	10.3	176
41	Phosphorusâ€Doped Carbon Nitride Tubes with a Layered Microâ€nanostructure for Enhanced Visibleâ€Light Photocatalytic Hydrogen Evolution. Angewandte Chemie, 2016, 128, 1862-1866.	2.0	173
42	Synthesis and photocatalytic activity of stable nanocrystalline TiO2 with high crystallinity and large surface area. Journal of Hazardous Materials, 2009, 161, 1122-1130.	12.4	172
43	In situ controlled growth of ZnIn2S4 nanosheets on reduced graphene oxide for enhanced photocatalytic hydrogen production performance. Chemical Communications, 2013, 49, 2237.	4.1	171
44	A highly active oxygen evolution electrocatalyst: Ultrathin CoNi double hydroxide/CoO nanosheets synthesized via interface-directed assembly. Nano Research, 2016, 9, 713-725.	10.4	171
45	Facile synthesis of sheet-like ZnO assembly composed of small ZnO particles for highly efficient photocatalysis. Journal of Materials Chemistry A, 2013, 1, 5700.	10.3	170
46	Defect-mediated electronâ€“hole separation in semiconductor photocatalysis. Inorganic Chemistry Frontiers, 2018, 5, 1240-1254.	6.0	166
47	Highly concentrated, stable nitrogen-doped graphene for supercapacitors: Simultaneous doping and reduction. Applied Surface Science, 2012, 258, 3438-3443.	6.1	163
48	Co₃O₄ nanocrystal ink printed on carbon fiber paper as a large-area electrode for electrochemical water splitting. Chemical Communications, 2015, 51, 8066-8069.	4.1	163
49	Photoinduced charge property of nanosized perovskite-type LaFeO3 and its relationships with photocatalytic activity under visible irradiation. Materials Research Bulletin, 2007, 42, 203-212.	5.2	162
50	Hierarchical MoS₂@MoP coreâ€“shell heterojunction electrocatalysts for efficient hydrogen evolution reaction over a broad pH range. Nanoscale, 2016, 8, 11052-11059.	5.6	160
51	A facile one-pot route for the controllable growth of small sized and well-dispersed ZnO particles on GO-derived graphene. Journal of Materials Chemistry, 2012, 22, 11778.	6.7	159
52	Sequential two-step hydrothermal growth of MoS2/CdS core-shell heterojunctions for efficient visible light-driven photocatalytic H2 evolution. Applied Catalysis B: Environmental, 2017, 203, 955-963.	20.2	159
53	Dynamics of photogenerated charges in the phosphate modified TiO2 and the enhanced activity for photoelectrochemical water splitting. Energy and Environmental Science, 2012, 5, 6552.	30.8	143
54	Exceptional Photocatalytic Activity of 001-Facet-Exposed TiO₂ Mainly Depending on Enhanced Adsorbed Oxygen by Residual Hydrogen Fluoride. ACS Catalysis, 2013, 3, 1378-1385.	11.2	137

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55	In Situ Growth of TiO₂ in Interlayers of Expanded Graphite for the Fabrication of TiO₂â€“Graphene with Enhanced Photocatalytic Activity. Chemistry - A European Journal, 2011, 17, 8379-8387.	3.3	135
56	Enhanced Visible Activities of Î±-Fe₂O₃ by Coupling N-Doped Graphene and Mechanism Insight. ACS Catalysis, 2014, 4, 990-998.	11.2	132
57	In Situ Carbon-Coated Yolkâ€“Shell V₂O₃ Microspheres for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2015, 7, 1595-1601.	8.0	132
58	Study on the mechanisms of photoinduced carriers separation and recombination for Fe3+â€“TiO2 photocatalysts. Applied Surface Science, 2007, 253, 4390-4395.	6.1	131
59	Carbothermal synthesis of ordered mesoporous carbon-supported nano zero-valent iron with enhanced stability and activity for hexavalent chromium reduction. Journal of Hazardous Materials, 2016, 309, 249-258.	12.4	131
60	A â€œMOFs plus MOFsâ€•strategy toward Coâ€“Mo₂N tubes for efficient electrocatalytic overall water splitting. Journal of Materials Chemistry A, 2018, 6, 20100-20109.	10.3	131
61	Small-sized and high-dispersed WN from [SiO₄(W₃O₉)₄]^{4â^'} clusters loading on GO-derived graphene as promising carriers for methanol electro-oxidation. Energy and Environmental Science, 2014, 7, 1939-1949.	30.8	130
62	Facile synthesis of novel 3D nanoflower-like CuxO/multilayer graphene composites for room temperature NOx gas sensor application. Nanoscale, 2014, 6, 7369.	5.6	130
63	Interconnected 1D Co3O4 nanowires on reduced graphene oxide for enzymeless H2O2 detection. Nano Research, 2015, 8, 469-480.	10.4	129
64	Isolated Boron and Nitrogen Sites on Porous Graphitic Carbon Synthesized from Nitrogenâ€Containing Chitosan for Supercapacitors. ChemSusChem, 2014, 7, 1637-1646.	6.8	128
65	Construction of Sixâ€Oxygenâ€Coordinated Single Ni Sites on gâ€C₃N₄ with Boronâ€Oxo Species for Photocatalytic Waterâ€Activationâ€Induced CO₂ Reduction. Advanced Materials, 2021, 33, e2105482.	21.0	128
66	Mass Production of Graphene via an in Situ Self-Generating Template Route and Its Promoted Activity as Electrocatalytic Support for Methanol Electroxidization. Journal of Physical Chemistry C, 2010, 114, 8727-8733.	3.1	127
67	Facile Synthesis of High-Crystallinity Graphitic Carbon/Fe₃C Nanocomposites As Counter Electrodes for High-Efficiency Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2013, 5, 3663-3670.	8.0	127
68	Mesoporous TiO₂: Preparation, Doping, and as a Composite for Photocatalysis. ChemCatChem, 2013, 5, 885-894.	3.7	126
69	Effects of Cr-doping on the photoluminescence and ferromagnetism at room temperature in ZnO nanomaterials prepared by soft chemistry route. Materials Chemistry and Physics, 2009, 113, 103-106.	4.0	123
70	Visibleâ€Light Responsive TiO₂â€Based Materials for Efficient Solar Energy Utilization. Advanced Energy Materials, 2021, 11, 2003303.	19.5	118
71	Mesoporous SiO₂-Modified Nanocrystalline TiO₂ with High Anatase Thermal Stability and Large Surface Area as Efficient Photocatalyst. Journal of Physical Chemistry C, 2009, 113, 1006-1013.	3.1	117
72	Ion-exchanged route synthesis of Fe2Nâ€“N-doped graphitic nanocarbons composite as advanced oxygen reduction electrocatalyst. Chemical Communications, 2013, 49, 3022.	4.1	116

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73	Synthesis of large surface area LaFeO3 nanoparticles by SBA-16 template method as high active visible photocatalysts. Journal of Nanoparticle Research, 2010, 12, 967-974.	1.9	112
74	Hierarchical composites of TiO2 nanowire arrays on reduced graphene oxide nanosheets with enhanced photocatalytic hydrogen evolution performance. Journal of Materials Chemistry A, 2014, 2, 4366-4374.	10.3	112
75	Synergistic Effect of Tungsten Carbide and Palladium on Graphene for Promoted Ethanol Electrooxidation. ACS Applied Materials & Interfaces, 2013, 5, 6571-6579.	8.0	108
76	Mesoporous TiO₂/Î±-Fe₂O₃: Bifunctional Composites for Effective Elimination of Arsenite Contamination through Simultaneous Photocatalytic Oxidation and Adsorption. Journal of Physical Chemistry C, 2008, 112, 19584-19589.	3.1	107
77	Luminescence Functionalization of SBA-15 by YVO4:Eu3+as a Novel Drug Delivery System. Inorganic Chemistry, 2007, 46, 3203-3211.	4.0	106
78	Hierarchical CuS hollow nanospheres and their structure-enhanced visible light photocatalytic properties. CrystEngComm, 2013, 15, 5144.	2.6	106
79	Hierarchical flake-like Bi2MoO6/TiO2 bilayer films for visible-light-induced self-cleaning applications. Journal of Materials Chemistry A, 2013, 1, 6961.	10.3	102
80	Composites of small Ag clusters confined in the channels of well-ordered mesoporous anatase TiO2 and their excellent solar-light-driven photocatalytic performance. Nano Research, 2014, 7, 731-742.	10.4	102
81	Cluster-like molybdenum phosphide anchored on reduced graphene oxide for efficient hydrogen evolution over a broad pH range. Chemical Communications, 2016, 52, 9530-9533.	4.1	102
82	Self-floating amphiphilic black TiO2 foams with 3D macro-mesoporous architectures as efficient solar-driven photocatalysts. Applied Catalysis B: Environmental, 2017, 206, 336-343.	20.2	102
83	Enhanced photocatalytic activity of S-doped TiO2â€“ZrO2 nanoparticles under visible-light irradiation. Journal of Hazardous Materials, 2009, 166, 939-944.	12.4	101
84	3D hierarchical Vâ€“Ni-based nitride heterostructure as a highly efficient pH-universal electrocatalyst for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2019, 7, 15823-15830.	10.3	100
85	Growth of small sized CeO2 particles in the interlayers of expanded graphite for high-performance room temperature NOx gas sensors. Journal of Materials Chemistry A, 2013, 1, 12742.	10.3	96
86	Graphene Quantumâ€Dotâ€Modified Hexagonal Tubular Carbon Nitride for Visibleâ€Light Photocatalytic Hydrogen Evolution. ChemCatChem, 2018, 10, 1330-1335.	3.7	95
87	Alumina decorated TiO2 nanotubes with ordered mesoporous walls as high sensitivity NOx gas sensors at room temperature. Nanoscale, 2013, 5, 8569.	5.6	94
88	In situ synthesis of a NiS/Ni₃S₂ nanorod composite array on Ni foil as a FTO-free counter electrode for dye-sensitized solar cells. Nanoscale, 2015, 7, 1623-1626.	5.6	94
89	Magnetic Fe2O3/mesoporous black TiO2 hollow sphere heterojunctions with wide-spectrum response and magnetic separation. Applied Catalysis B: Environmental, 2018, 221, 235-242.	20.2	92
90	Structural Design Strategy and Active Site Regulation of Highâ€Efficient Bifunctional Oxygen Reaction Electrocatalysts for Znâ€“Air Battery. Small, 2021, 17, e2006766.	10.0	89

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91	Preparation of Large-Pore Mesoporous Nanocrystalline TiO2 Thin Films with Tailored Pore Diameters. Journal of Physical Chemistry B, 2005, 109, 18719-18722.	2.6	87
92	Synthesis of nanocrystalline anatase TiO2 by one-pot two-phase separated hydrolysis-solvothermal processes and its high activity for photocatalytic degradation of rhodamine B. Journal of Hazardous Materials, 2010, 176, 139-145.	12.4	87
93	Strongly coupled Ag/TiO2 heterojunctions for effective and stable photothermal catalytic reduction of 4-nitrophenol. Nano Research, 2018, 11, 126-141.	10.4	87
94	A hierarchical porous carbon material from a loofah sponge network for high performance supercapacitors. RSC Advances, 2015, 5, 42430-42437.	3.6	86
95	Effective Electrocatalytic Hydrogen Evolution in Neutral Medium Based on 2D MoP/MoS₂ Heterostructure Nanosheets. ACS Applied Materials & Interfaces, 2019, 11, 25986-25995.	8.0	86
96	Magnetically separable porous graphitic carbon with large surface area as excellent adsorbents for metal ions and dye. Journal of Materials Chemistry, 2011, 21, 7232.	6.7	85
97	Vanadiumâ€Incorporated CoP₂ with Lattice Expansion for Highly Efficient Acidic Overall Water Splitting. Angewandte Chemie - International Edition, 2022, 61, .	13.8	85
98	Controlled synthesis of thorny anatase TiO₂tubes for construction of Agâ€“AgBr/TiO₂composites as highly efficient simulated solar-light photocatalyst. Journal of Materials Chemistry, 2012, 22, 2081-2088.	6.7	84
99	Smallâ€Sized and Contacting Ptâ€“WC Nanostructures on Graphene as Highly Efficient Anode Catalysts for Direct Methanol Fuel Cells. Chemistry - A European Journal, 2012, 18, 7443-7451.	3.3	83
100	A novel soft template strategy to fabricate mesoporous carbon/graphene composites as high-performance supercapacitor electrodes. RSC Advances, 2012, 2, 8359.	3.6	82
101	Porous Cobalt Titanate Nanorod: A New Candidate for Visible Lightâ€Driven Photocatalytic Water Oxidation. ChemCatChem, 2014, 6, 265-270.	3.7	81
102	Selective Hydrogenation of Cinnamaldehyde to Cinnamal Alcohol over Platinum/Graphene Catalysts. ChemCatChem, 2014, 6, 3246-3253.	3.7	80
103	In situ growth of Bi₂MoO₆on reduced graphene oxide nanosheets for improved visible-light photocatalytic activity. CrystEngComm, 2014, 16, 842-849.	2.6	80
104	Relationships of surface oxygen vacancies with photoluminescence and photocatalytic performance of ZnO nanoparticles. Science in China Series B: Chemistry, 2005, 48, 25-30.	0.8	79
105	Bifunctional Ag/Fe/N/C Catalysts for Enhancing Oxygen Reduction via Cathodic Biofilm Inhibition in Microbial Fuel Cells. ACS Applied Materials & Interfaces, 2016, 8, 6992-7002.	8.0	78
106	Co-vacancy-rich Co1â€“x S nanosheets anchored on rGO for high-efficiency oxygen evolution. Nano Research, 2017, 10, 1819-1831.	10.4	78
107	Assembly of TiO2 ultrathin nanosheets with surface lattice distortion for solar-light-driven photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 239, 317-323.	20.2	77
108	From graphite to porous graphene-like nanosheets for high rate lithium-ion batteries. Nano Research, 2015, 8, 2998-3010.	10.4	76

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109	Enhanced photogenerated carrier separation in CdS quantum dot sensitized ZnFe₂O₄/ZnIn₂S₄ nanosheet stereoscopic films for exceptional visible light photocatalytic H₂ evolution performance. Nanoscale, 2017, 9, 5912-5921.	5.6	76
110	Small-sized tungsten nitride anchoring into a 3D CNT-rGO framework as a superior bifunctional catalyst for the methanol oxidation and oxygen reduction reactions. Nano Research, 2016, 9, 329-343.	10.4	75
111	Dual-valence nickel nanosheets covered with thin carbon as bifunctional electrocatalysts for full water splitting. Journal of Materials Chemistry A, 2016, 4, 7297-7304.	10.3	73
112	Assembly of Î²-Cyclodextrins Acting as Molecular Bricks onto Multiwall Carbon Nanotubes. Journal of Physical Chemistry C, 2008, 112, 951-957.	3.1	72
113	Coâ€“VN encapsulated in bamboo-like N-doped carbon nanotubes for ultrahigh-stability of oxygen reduction reaction. Nanoscale, 2018, 10, 4311-4319.	5.6	72
114	Ni₃S₂ Nanosheets in Situ Epitaxially Grown on Nanorods as High Active and Stable Homojunction Electrocatalyst for Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 2474-2481.	6.7	72
115	Hierarchical whisker-on-sheet NiCoP with adjustable surface structure for efficient hydrogen evolution reaction. Nanoscale, 2018, 10, 7619-7629.	5.6	72
116	Highâ€Efficient, Stable Electrocatalytic Hydrogen Evolution in Acid Media by Amorphous Fe_xP Coating Fe₂N Supported on Reduced Graphene Oxide. Small, 2018, 14, e1801717.	10.0	72
117	Highly crystalline, small sized, monodisperse Î±-NiS nanocrystal ink as an efficient counter electrode for dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 15905-15912.	10.3	69
118	GO-induced assembly of gelatin toward stacked layer-like porous carbon for advanced supercapacitors. Nanoscale, 2016, 8, 2418-2427.	5.6	69
119	Inorganic acid-derived hydrogen-bonded organic frameworks to form nitrogen-rich carbon nitrides for photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2017, 5, 21979-21985.	10.3	69
120	B and N isolate-doped graphitic carbon nanosheets from nitrogen-containing ion-exchanged resins for enhanced oxygen reduction. Scientific Reports, 2014, 4, 5184.	3.3	68
121	Nitrogen-doped graphene supported Pd@PdO core-shell clusters for C-C coupling reactions. Nano Research, 2014, 7, 1280-1290.	10.4	66
122	Exceptional visible-light photoelectrocatalytic activity of In2O3/In2S3/CdS ternary stereoscopic porous heterostructure film for the degradation of persistent 4-fluoro-3-methylphenol. Applied Catalysis B: Environmental, 2018, 225, 477-486.	20.2	66
123	A dual-active Co-CoO heterojunction coupled with Ti3C2-MXene for highly-performance overall water splitting. Nano Research, 2022, 15, 238-247.	10.4	66
124	Engineering oxygen vacancy on rutile TiO2 for efficient electron-hole separation and high solar-driven photocatalytic hydrogen evolution. Science China Materials, 2018, 61, 822-830.	6.3	65
125	CoO-Mo2N hollow heterostructure for high-efficiency electrocatalytic hydrogen evolution reaction. NPG Asia Materials, 2019, 11, .	7.9	65
126	Co₃O₄nanosheets as a high-performance catalyst for oxygen evolution proceeding via a double two-electron process. Chemical Communications, 2016, 52, 6705-6708.	4.1	64

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127	A Stable Bifunctional Catalyst for Rechargeable Zincâ€“Air Batteries: Ironâ€“Cobalt Nanoparticles Embedded in a Nitrogenâ€Doped 3D Carbon Matrix. Angewandte Chemie, 2018, 130, 16398-16402.	2.0	64
128	CoSe₂/N-Doped Carbon Hybrid Derived from ZIF-67 as High-Efficiency Counter Electrode for Dye-Sensitized Solar Cells. ACS Sustainable Chemistry and Engineering, 2019, 7, 2784-2791.	6.7	64
129	NaYF4:Er3+/Yb3+â€“graphene composites: preparation, upconversion luminescence, and application in dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 20381.	6.7	63
130	N-Doped carbon coating enhances the bifunctional oxygen reaction activity of CoFe nanoparticles for a highly stable Znâ€“air battery. Journal of Materials Chemistry A, 2020, 8, 21189-21198.	10.3	63
131	Electronic Tuning of Ni by Mo Species for Highly Efficient Hydroisomerization of n-Alkanes Comparable to Pt-Based Catalysts. ACS Catalysis, 2020, 10, 10449-10458.	11.2	63
132	Synthesis of High-Activity TiO₂-Based Photocatalysts by Compounding a Small Amount of Porous Nanosized LaFeO₃ and the Activity-Enhanced Mechanisms. Journal of Physical Chemistry C, 2011, 115, 12375-12380.	3.1	62
133	Preparation of La-Mn-O Perovskite Catalyst by Microwave Irradiation Method and its Application to Methane Combustion. Catalysis Letters, 2010, 135, 152-158.	2.6	61
134	Synergetic enhancement of surface reactions and charge separation over holey C3N4/TiO2 2D heterojunctions. Science Bulletin, 2021, 66, 275-283.	9.0	61
135	A Floating Porous Crystalline TiO₂ Ceramic with Enhanced Photocatalytic Performance for Wastewater Decontamination. European Journal of Inorganic Chemistry, 2013, 2013, 2411-2417.	2.0	59
136	Hierarchical Composite of Ag/AgBr Nanoparticles Supported on Bi₂MoO₆ Hollow Spheres for Enhanced Visibleâ€Light Photocatalytic Performance. ChemPlusChem, 2013, 78, 117-123.	2.8	58
137	Synergistic effect of Mo₂N and Pt for promoted selective hydrogenation of cinnamaldehyde over Ptâ€“Mo₂N/SBA-15. Catalysis Science and Technology, 2016, 6, 2403-2412.	4.1	58
138	Novel heterogeneous CdS nanoparticles/NiTiO3 nanorods with enhanced visible-light-driven photocatalytic activity. RSC Advances, 2013, 3, 18305.	3.6	56
139	Porous cobalt/tungsten nitride polyhedra as efficient bifunctional electrocatalysts for overall water splitting. Journal of Materials Chemistry A, 2020, 8, 22938-22946.	10.3	56
140	In situ simultaneous synthesis of WC/graphitic carbon nanocomposite as a highly efficient catalyst support for DMFC. Chemical Communications, 2009, , 3104.	4.1	55
141	Zinc assisted epitaxial growth of N-doped CNTs-based zeolitic imidazole frameworks derivative for high efficient oxygen reduction reaction in Zn-air battery. Chemical Engineering Journal, 2021, 414, 127569.	12.7	55
142	Inâ€…Situ Fabrication of Ag/Ag₃PO₄/Graphene Triple Heterostructure Visibleâ€Light Photocatalyst through Grapheneâ€Assisted Reduction Strategy. ChemCatChem, 2013, 5, 1359-1367.	3.7	54
143	Synergism of molybdenum nitride and palladium for high-efficiency formic acid electrooxidation. Journal of Materials Chemistry A, 2018, 6, 7623-7630.	10.3	54
144	Superhydrophilic anatase TiO2 film with the micro- and nanometer-scale hierarchical surface structure. Materials Letters, 2008, 62, 3503-3505.	2.6	53

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