Ping Xu

List of Publications by Year
in descending order

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241 papers	21,163 citations	7551 77 h-index	11288 136 g-index
245 all docs	245 docs citations	245 times ranked	18523 citing authors

#	Article	IF	Citations
1	Contributions of Phase, Sulfur Vacancies, and Edges to the Hydrogen Evolution Reaction Catalytic Activity of Porous Molybdenum Disulfide Nanosheets. Journal of the American Chemical Society, 2016, 138, 7965-7972.	6.6	1,055
2	Shell Thickness-Dependent Microwave Absorption of Coreâ€“Shell Fe₃O₄@C Composites. ACS Applied Materials & Interfaces, 2014, 6, 12997-13006.	4.0	853
3	Rational design of core-shell Co@C microspheres for high-performance microwave absorption. Carbon, 2017, 111, 722-732.	5.4	649
4	The electromagnetic property of chemically reduced graphene oxide and its application as microwave absorbing material. Applied Physics Letters, 2011, 98, .	1.5	597
5	Metal organic framework-derived Fe/C nanocubes toward efficient microwave absorption. Journal of Materials Chemistry A, 2015, 3, 13426-13434.	5.2	560
6	Efficient Electrocatalytic and Photoelectrochemical Hydrogen Generation Using MoS2 and Related Compounds. CheM, 2016, 1, 699-726.	5.8	462
7	Constructing Uniform Coreâ€“Shell PPy@PANI Composites with Tunable Shell Thickness toward Enhancement in Microwave Absorption. ACS Applied Materials & Interfaces, 2015, 7, 20090-20099.	4.0	424
8	Synergistic Phase and Disorder Engineering in 1Tâ€MoSe₂ Nanosheets for Enhanced Hydrogenâ€Evolution Reaction. Advanced Materials, 2017, 29, 1700311.	11.1	411
9	Graphene/Grapheneâ€Tube Nanocomposites Templated from Cageâ€Containing Metalâ€Organic Frameworks for Oxygen Reduction in Liâ€“O₂ Batteries. Advanced Materials, 2014, 26, 1378-1386.	11.1	398
10	Synthesis of Electromagnetic Functionalized Nickel/Polypyrrole Core/Shell Composites. Journal of Physical Chemistry B, 2008, 112, 10443-10448.	1.2	342
11	2D Transition Metal Dichalcogenides: Design, Modulation, and Challenges in Electrocatalysis. Advanced Materials, 2021, 33, e1907818.	11.1	284
12	Rational design of yolk-shell C@C microspheres for the effective enhancement in microwave absorption. Carbon, 2016, 98, 599-606.	5.4	278
13	Tuning Mixed Nickel Iron Phosphosulfide Nanosheet Electrocatalysts for Enhanced Hydrogen and Oxygen Evolution. ACS Catalysis, 2017, 7, 8549-8557.	5.5	268
14	MOFs-Derived Hollow Co/C Microspheres with Enhanced Microwave Absorption Performance. ACS Sustainable Chemistry and Engineering, 2018, 6, 8904-8913.	3.2	264
15	Core-shell FeCo@carbon nanoparticles encapsulated in polydopamine-derived carbon nanocages for efficient microwave absorption. Carbon, 2019, 145, 701-711.	5.4	262
16	Prussian blue analogues derived porous nitrogen-doped carbon microspheres as high-performance metal-free peroxymonosulfate activators for non-radical-dominated degradation of organic pollutants. Journal of Materials Chemistry A, 2018, 6, 884-895.	5.2	253
17	Pea-like Fe/Fe₃C Nanoparticles Embedded in Nitrogen-Doped Carbon Nanotubes with Tunable Dielectric/Magnetic Loss and Efficient Electromagnetic Absorption. ACS Applied Materials & Interfaces, 2019, 11, 4268-4277.	4.0	246
18	Electromagnetic functionalized Co/C composites by in situ pyrolysis of metal-organic frameworks (ZIF-67). Journal of Alloys and Compounds, 2016, 681, 384-393.	2.8	237

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19	Morphology-Controlled Synthesis and Electromagnetic Properties of Porous Fe₃O₄ Nanostructures from Iron Alkoxide Precursors. Journal of Physical Chemistry C, 2011, 115, 12350-12357.	1.5	236
20	Understanding the Phase-Induced Electrocatalytic Oxygen Evolution Reaction Activity on FeOOH Nanostructures. ACS Catalysis, 2019, 9, 10705-10711.	5.5	233
21	Recent Advances in Plasmonic Nanostructures for Enhanced Photocatalysis and Electrocatalysis. Advanced Materials, 2021, 33, e2000086.	11.1	232
22	Advanced Electrocatalysis for Energy and Environmental Sustainability via Water and Nitrogen Reactions. Advanced Materials, 2021, 33, e2000381.	11.1	231
23	Controlled Synthesis and Morphology-Dependent Electromagnetic Properties of Hierarchical Cobalt Assemblies. Journal of Physical Chemistry C, 2010, 114, 14826-14830.	1.5	205
24	Controlled Synthesis of Hierarchical Nickel and Morphology-Dependent Electromagnetic Properties. Journal of Physical Chemistry C, 2010, 114, 3196-3203.	1.5	204
25	Waxberry-like hierarchical Ni@C microspheres with high-performance microwave absorption. Journal of Materials Chemistry C, 2019, 7, 5037-5046.	2.7	202
26	A carbon-nanotube-supported graphene-rich non-precious metal oxygen reduction catalyst with enhanced performance durability. Chemical Communications, 2013, 49, 3291.	2.2	196
27	Mechanistic understanding of surface plasmon assisted catalysis on a single particle: cyclic redox of 4-aminothiophenol. Scientific Reports, 2013, 3, 2997.	1.6	194
28	S, N Dual-Doped Graphene-like Carbon Nanosheets as Efficient Oxygen Reduction Reaction Electrocatalysts. ACS Applied Materials & Interfaces, 2017, 9, 398-405.	4.0	194
29	How to Reliably Report the Overpotential of an Electrocatalyst. ACS Energy Letters, 2020, 5, 1083-1087.	8.8	193
30	The electromagnetic properties and microwave absorption of mesoporous carbon. Materials Chemistry and Physics, 2012, 135, 884-891.	2.0	185
31	Multifunctional polymerâ€“metal nanocomposites via direct chemical reduction by conjugated polymers. Chemical Society Reviews, 2014, 43, 1349-1360.	18.7	184
32	Direct Transformation from Graphitic C₃N₄ to Nitrogen-Doped Graphene: An Efficient Metal-Free Electrocatalyst for Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2015, 7, 19626-19634.	4.0	182
33	Synthesis and Magnetic Properties of BaFe12O19 Hexaferrite Nanoparticles by a Reverse Microemulsion Technique. Journal of Physical Chemistry C, 2007, 111, 5866-5870.	1.5	177
34	Laser wavelength- and power-dependent plasmon-driven chemical reactions monitored using single particle surface enhanced Raman spectroscopy. Chemical Communications, 2013, 49, 3389.	2.2	165
35	Significantly Increased Raman Enhancement on MoX₂ (X = S, Se) Monolayers upon Phase Transition. Advanced Functional Materials, 2017, 27, 1606694.	7.8	158
36	Synthesis of Electromagnetic Functionalized Fe₃O₄ Microspheres/Polyaniline Composites by Two-Step Oxidative Polymerization. Journal of Physical Chemistry B, 2012, 116, 9523-9531.	1.2	156

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37	Heterogeneous Interface Induced the Formation of Hierarchically Hollow Carbon Microcubes against Electromagnetic Pollution. Small, 2020, 16, e2003407.	5.2	156
38	Synthesis and Characterization of Novel Coralloid Polyaniline/BaFe₁₂O₁₉ Nanocomposites. Journal of Physical Chemistry C, 2007, 111, 12603-12608.	1.5	153
39	Highly Efficient Visible-Light-Driven Photocatalytic Hydrogen Production on CdS/Cu₇S₄/g-C₃N₄ Ternary Heterostructures. ACS Applied Materials & Interfaces, 2018, 10, 20404-20411.	4.0	153
40	Synthesis of pomegranate-like Mo2C@C nanospheres for highly efficient microwave absorption. Chemical Engineering Journal, 2019, 372, 312-320.	6.6	152
41	Microwave absorption enhancement of Fe₃O₄/polyaniline core/shell hybrid microspheres with controlled shell thickness. Journal of Applied Polymer Science, 2013, 130, 1909-1916.	1.3	134
42	Interfacially Engineered Sandwichâ€Like rGO/Carbon Microspheres/rGO Composite as an Efficient and Durable Microwave Absorber. Advanced Materials Interfaces, 2016, 3, 1500684.	1.9	131
43	Polyaniline: A New Metal-Free Catalyst for Peroxymonosulfate Activation with Highly Efficient and Durable Removal of Organic Pollutants. Environmental Science & Technology, 2019, 53, 9771-9780.	4.6	129
44	Low Ru loading RuO2/(Co,Mn)3O4 nanocomposite with modulated electronic structure for efficient oxygen evolution reaction in acid. Applied Catalysis B: Environmental, 2021, 297, 120442.	10.8	128
45	Human-Hair-Derived N, S-Doped Porous Carbon: An Enrichment and Degradation System for Wastewater Remediation in the Presence of Peroxymonosulfate. ACS Sustainable Chemistry and Engineering, 2019, 7, 2718-2727.	3.2	124
46	Recent Advances in Magnetic Field-Enhanced Electrocatalysis. ACS Applied Energy Materials, 2020, 3, 10303-10316.	2.5	124
47	Rationally designed hierarchical N-doped carbon nanotubes wrapping waxberry-like Ni@C microspheres for efficient microwave absorption. Journal of Materials Chemistry A, 2021, 9, 5086-5096.	5.2	124
48	Facile synthesis of 3D flower-like Ni microspheres with enhanced microwave absorption properties. Journal of Materials Chemistry C, 2018, 6, 9615-9623.	2.7	118
49	Ultrasmall Mo₂C Nanoparticle-Decorated Carbon Polyhedrons for Enhanced Microwave Absorption. ACS Applied Nano Materials, 2018, 1, 5366-5376.	2.4	117
50	Recent progress in the applications of graphene in surface-enhanced Raman scattering and plasmon-induced catalytic reactions. Journal of Materials Chemistry C, 2015, 3, 9024-9037.	2.7	113
51	Synthesis of Electromagnetic Functionalized Barium Ferrite Nanoparticles Embedded in Polypyrrole. Journal of Physical Chemistry B, 2008, 112, 2775-2781.	1.2	111
52	Space-Confined Synthesis of Coreâ€“Shell BaTiO₃@Carbon Microspheres as a High-Performance Binary Dielectric System for Microwave Absorption. ACS Applied Materials & Interfaces, 2019, 11, 31182-31190.	4.0	110
53	Recent Advances in Conjugated Polymer-Based Microwave Absorbing Materials. Polymers, 2017, 9, 29.	2.0	107
54	Metal organic framework-derived CoPS/N-doped carbon for efficient electrocatalytic hydrogen evolution. Nanoscale, 2018, 10, 7291-7297.	2.8	107

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55	Surfactant-Assisted Solvothermal Synthesis of Ba(CoTi)_xFe_{12â^'2x}O₁₉ Nanoparticles and Enhancement in Microwave Absorption Properties of Polyaniline. Journal of Physical Chemistry C, 2010, 114, 19600-19606.	1.5	106
56	Acid-directed synthesis of SERS-active hierarchical assemblies of silver nanostructures. Journal of Materials Chemistry, 2011, 21, 2495-2501.	6.7	106
57	One-step synthesis of Mn3O4/reduced graphene oxide nanocomposites for oxygen reduction in nonaqueous Liâ€“O2 batteries. Chemical Communications, 2013, 49, 10838.	2.2	106
58	Highâ€Performance Direct Methanol Fuel Cells with Preciousâ€Metalâ€Free Cathode. Advanced Science, 2016, 3, 1600140.	5.6	105
59	Ternary Mo2C/Co/C composites with enhanced electromagnetic waves absorption. Chemical Engineering Journal, 2020, 387, 124159.	6.6	105
60	Metalâ€“Organic Frameworks Derived Interconnected Bimetallic Metaphosphate Nanoarrays for Efficient Electrocatalytic Oxygen Evolution. Advanced Functional Materials, 2020, 30, 1910498.	7.8	104
61	Highly Sensitive Surface-Enhanced Raman Spectroscopy (SERS) Platforms Based on Silver Nanostructures Fabricated on Polyaniline Membrane Surfaces. ACS Applied Materials & Interfaces, 2012, 4, 2752-2756.	4.0	103
62	Ru nanoassembly catalysts for hydrogen evolution and oxidation reactions in electrolytes at various pH values. Applied Catalysis B: Environmental, 2019, 258, 117952.	10.8	102
63	Improved Interface Charge Transfer and Redistribution in CuOâ€CoOOH pâ€n Heterojunction Nanoarray Electrocatalyst for Enhanced Oxygen Evolution Reaction. Advanced Science, 2021, 8, e2103314.	5.6	100
64	Facile One-Pot Synthesis of Zn/Mg-MOF-74 with Unsaturated Coordination Metal Centers for Efficient CO₂ Adsorption and Conversion to Cyclic Carbonates. ACS Applied Materials & Interfaces, 2021, 13, 61334-61345.	4.0	99
65	Dual functions of glucose induced composition-controllable Co/C microspheres as high-performance microwave absorbing materials. Carbon, 2020, 168, 404-414.	5.4	97
66	One-pot interfacial synthesis of Au nanoparticles and Auâ€“polyaniline nanocomposites for catalytic applications. CrystEngComm, 2012, 14, 1542.	1.3	95
67	Solvent-Free Synthesis of Ultrafine Tungsten Carbide Nanoparticles-Decorated Carbon Nanosheets for Microwave Absorption. Nano-Micro Letters, 2020, 12, 153.	14.4	93
68	Structure-Dependent Electrocatalytic Properties of Cu₂O Nanocrystals for Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2013, 117, 13872-13878.	1.5	92
69	Phaseâ€Junction Electrocatalysts towards Enhanced Hydrogen Evolution Reaction in Alkaline Media. Angewandte Chemie - International Edition, 2021, 60, 259-267.	7.2	91
70	The contribution of doped-Al to the colossal permittivity properties of Al_xNb_{0.03}Ti_{0.97â^'x}O₂ rutile ceramics. Journal of Materials Chemistry C, 2016, 4, 6798-6805.	2.7	90
71	A study of the magnetic and electromagnetic properties of Î³-Fe2O3â€“multiwalled carbon nanotubes (MWCNT) and Fe/Fe3Câ€“MWCNT composites. Materials Chemistry and Physics, 2009, 114, 556-560.	2.0	89
72	Bifunctional Nitrogen-Doped Microporous Carbon Microspheres Derived from Poly(o-methylaniline) for Oxygen Reduction and Supercapacitors. ACS Applied Materials & Interfaces, 2016, 8, 3601-3608.	4.0	89

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73	Surface plasmon-driven photocatalysis in ambient, aqueous and high-vacuum monitored by SERS and TERS. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2016, 27, 100-112.	5.6	88
74	Synthesis and microwave absorption enhancement of yolkâ€“shell Fe3O4@C microspheres. Journal of Materials Science, 2017, 52, 6349-6361.	1.7	87
75	Unraveling the Raman Enhancement Mechanism on 1Tâ€²â€Phase ReS₂ Nanosheets. Small, 2018, 14, e1704079.	5.2	87
76	Stepwise Electrochemical Construction of FeOOH/Ni(OH)₂ on Ni Foam for Enhanced Electrocatalytic Oxygen Evolution. ACS Applied Energy Materials, 2019, 2, 3927-3935.	2.5	87
77	Optimizing Composition and Morphology for Large-Grain Perovskite Solar Cells via Chemical Control. Chemistry of Materials, 2015, 27, 5570-5576.	3.2	82
78	Rational design and synthesis of SnO 2 -encapsulated Î± -Fe 2 O 3 nanocubes as a robust and stable photo-Fenton catalyst. Applied Catalysis B: Environmental, 2017, 210, 23-33.	10.8	80
79	Phenolic resin reinforcement: A new strategy for hollow NiCo@C microboxes against electromagnetic pollution. Carbon, 2021, 174, 673-682.	5.4	78
80	A crystallineâ€“amorphous Niâ€“Ni(OH)₂ coreâ€“shell catalyst for the alkaline hydrogen evolution reaction. Journal of Materials Chemistry A, 2020, 8, 23323-23329.	5.2	77
81	Two-Dimensional High-Entropy Metal Phosphorus Trichalcogenides for Enhanced Hydrogen Evolution Reaction. ACS Nano, 2022, 16, 3593-3603.	7.3	77
82	Facile Fabrication of Homogeneous 3D Silver Nanostructures on Gold-Supported Polyaniline Membranes as Promising SERS Substrates. Langmuir, 2010, 26, 8882-8886.	1.6	76
83	Promoting electrocatalytic water oxidation through tungsten-modulated oxygen vacancies on hierarchical FeNi-layered double hydroxide. Nano Energy, 2021, 80, 105540.	8.2	76
84	Understanding the Effect of Second Metal on CoM (M = Ni, Cu, Zn) Metalâ€“Organic Frameworks for Electrocatalytic Oxygen Evolution Reaction. Small, 2021, 17, e2105150.	5.2	76
85	Improved SOFC performance with continuously graded anode functional layer. Electrochemistry Communications, 2009, 11, 1120-1123.	2.3	75
86	A novel water-stable MOF Zn(Py)(Atz) as heterogeneous catalyst for chemical conversion of CO2 with various epoxides under mild conditions. Journal of CO2 Utilization, 2020, 35, 216-224.	3.3	75
87	A novel incorporating style of polyaniline/TiO2 composites as effective visible photocatalysts. Journal of Molecular Catalysis A, 2012, 357, 19-25.	4.8	73
88	Gas transport in porous electrodes of solid oxide fuel cells: A review on diffusion and diffusivity measurement. Journal of Power Sources, 2013, 237, 64-73.	4.0	73
89	Enhanced Electrocatalytic Oxygen Evolution Activity by Tuning Both the Oxygen Vacancy and Orbital Occupancy of Bâ€Site Metal Cation in NdNiO₃. Advanced Functional Materials, 2019, 29, 1902449.	7.8	72
90	Study of the effects of nanometer Î²-Ni(OH)2 in nickel hydroxide electrodes. Electrochimica Acta, 2005, 50, 2763-2769.	2.6	71

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91	Prussian Blue Microcrystals with Morphology Evolution as a High-Performance Photo-Fenton Catalyst for Degradation of Organic Pollutants. ACS Applied Materials & Interfaces, 2019, 11, 1174-1184.	4.0	70
92	Porous Zn(Bmic)(AT) MOF with Abundant Amino Groups and Open Metal Sites for Efficient Capture and Transformation of CO₂. Inorganic Chemistry, 2019, 58, 13917-13926.	1.9	68
93	Super-Poissonian Statistics of Photon Emission from Single CdSe-CdS Core-Shell Nanocrystals Coupled to Metal Nanostructures. Physical Review Letters, 2013, 110, 117401.	2.9	66
94	Preparation and microwave absorption properties of Niâ€“B alloy-coated Fe3O4 particles. Journal of Alloys and Compounds, 2008, 464, 352-356.	2.8	65
95	Improving the intrinsic electrocatalytic hydrogen evolution activity of few-layer NiPS₃ by cobalt doping. Chemical Communications, 2017, 53, 8199-8202.	2.2	64
96	Regulating Electron Redistribution of Intermetallic Iridium Oxide by Incorporating Ru for Efficient Acidic Water Oxidation. Advanced Energy Materials, 2021, 11, .	10.2	64
97	Synthesis of polyaniline nanofibers with high electrical conductivity from CTABâ€“SDBS mixed surfactants. Materials Letters, 2011, 65, 3601-3604.	1.3	61
98	Ultrasmall MnO Nanoparticles Supported on Nitrogen-Doped Carbon Nanotubes as Efficient Anode Materials for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 38401-38408.	4.0	61
99	Inâ€…Situ Surfaceâ€Enhanced Raman Spectroscopy Study of Plasmonâ€Driven Catalytic Reactions of 4â€Nitrothiophenol under a Controlled Atmosphere. ChemCatChem, 2015, 7, 1004-1010.	1.8	60
100	Synthesis and characterization of Coâ€“Sn substituted barium ferrite particles by a reverse microemulsion technique. Materials Research Bulletin, 2011, 46, 643-648.	2.7	59
101	Phenyl-Bridged Graphitic Carbon Nitride with a Porous and Hollow Sphere Structure to Enhance Dissociation of Photogenerated Charge Carriers and Visible-Light-Driven H₂ Generation. ACS Applied Materials & Interfaces, 2020, 12, 41527-41537.	4.0	59
102	Magnetic field assisted electrocatalytic oxygen evolution reaction of nickel-based materials. Journal of Materials Chemistry A, 2022, 10, 1760-1767.	5.2	57
103	Self-supported Pt nanoclusters via galvanic replacement from Cu2O nanocubes as efficient electrocatalysts. Nanoscale, 2013, 5, 7397.	2.8	56
104	Amino Acid-Assisted Synthesis of Hierarchical Silver Microspheres for Single Particle Surface-Enhanced Raman Spectroscopy. Journal of Physical Chemistry C, 2013, 117, 10007-10012.	1.5	55
105	Crystallineâ€Amorphous Ni₂P₄O₁₂/NiMoO_x Nanoarrays for Alkaline Water Electrolysis: Enhanced Catalytic Activity via In Situ Surface Reconstruction. Small, 2022, 18, e2105972.	5.2	55
106	Facile Synthesis of Polyanilineâ€Polypyrrole Nanofibers for Application in Chemical Deposition of Metal Nanoparticles. Macromolecular Rapid Communications, 2008, 29, 1392-1397.	2.0	54
107	In Situ Growth of Amorphous Fe(OH)₃ on Nickel Nitrate Hydroxide Nanoarrays for Enhanced Electrocatalytic Oxygen Evolution. ACS Applied Materials & Interfaces, 2020, 12, 12668-12676.	4.0	51
108	Enhanced photocatalytic activity on polarized ferroelectric KNbO₃. RSC Advances, 2016, 6, 108883-108887.	1.7	50

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109	Homogeneous Metal Nitrate Hydroxide Nanoarrays Grown on Nickel Foam for Efficient Electrocatalytic Oxygen Evolution. Small, 2018, 14, e1803783.	5.2	50
110	Highâ€Performance SERS Substrate Based on Hierarchical 3D Cu Nanocrystals with Efficient Morphology Control. Small, 2018, 14, e1802477.	5.2	50
111	Polymer-bubbling for one-step synthesis of three-dimensional cobalt/carbon foams against electromagnetic pollution. Journal of Materials Science and Technology, 2021, 93, 7-16.	5.6	50
112	Template synthesis of nitrogen-doped carbon nanocagesâ€“encapsulated carbon nanobubbles as catalyst for activation of peroxymonosulfate. Inorganic Chemistry Frontiers, 2018, 5, 1849-1860.	3.0	49
113	Recent Advances in Plasmon-Promoted Organic Transformations Using Silver-Based Catalysts. ACS Applied Materials & Interfaces, 2020, 12, 54266-54284.	4.0	49
114	A High-Performance Zinc-Organic Framework with Accessible Open Metal Sites Catalyzes CO₂ and Styrene Oxide into Styrene Carbonate under Mild Conditions. ACS Sustainable Chemistry and Engineering, 2021, 9, 2795-2803.	3.2	49
115	Understanding and Controlled Growth of Silver Nanoparticles Using Oxidized N-Methyl-pyrrolidone as a Reducing Agent. Journal of Physical Chemistry C, 2010, 114, 36-40.	1.5	48
116	Conjugated polymer-mediated synthesis of sulfur- and nitrogen-doped carbon nanotubes as efficient anode materials for sodium ion batteries. Nano Research, 2018, 11, 2573-2585.	5.8	47
117	Effect of stoichiometry on the phase formation and magnetic properties of BaFe12O19 nanoparticles by reverse micelle technique. Materials Letters, 2008, 62, 1305-1308.	1.3	46
118	Synthesis of homogeneous silver nanosheet assemblies for surface enhanced Raman scattering applications. Journal of Materials Chemistry, 2010, 20, 7222.	6.7	46
119	Fabrication of Thorny Au Nanostructures on Polyaniline Surfaces for Sensitive Surface-Enhanced Raman Spectroscopy. ACS Applied Materials & Interfaces, 2013, 5, 49-54.	4.0	46
120	Origin of the Ultrafast Response of the Lateral Photovoltaic Effect in Amorphous MoS₂/Si Junctions. ACS Applied Materials & Interfaces, 2017, 9, 18362-18368.	4.0	46
121	Metal-free nitrogen-doped carbon nanoribbons as highly efficient electrocatalysts for oxygen reduction reaction. Carbon, 2017, 124, 34-41.	5.4	46
122	Ultrafast Surfaceâ€Plasmonâ€Induced Photodimerization of pâ€Aminothiophenol on Ag/TiO₂ Nanoarrays. ChemCatChem, 2016, 8, 1819-1824.	1.8	45
123	Preparation of YSZ thin films for intermediate temperature solid oxide fuel cells by dip-coating method. Journal of Membrane Science, 2008, 320, 500-504.	4.1	44
124	Effect of equivalent and non-equivalent Al substitutions on the structure and electrochemical properties of LiNi0.5Mn0.5O2. Journal of Power Sources, 2008, 176, 325-331.	4.0	44
125	Conjugated polymer-mediated synthesis of nitrogen-doped carbon nanoribbons for oxygen reduction reaction. Carbon, 2017, 124, 630-636.	5.4	44
126	Ultrafine CoO nanoparticles as an efficient cocatalyst for enhanced photocatalytic hydrogen evolution. Nanoscale, 2019, 11, 15633-15640.	2.8	44

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127	Synthesis and characterization of nanostructured polypyrroles: Morphology-dependent electrochemical responses and chemical deposition of Au nanoparticles. Polymer, 2009, 50, 2624-2629.	1.8	41
128	Field-assisted synthesis of SERS-active silver nanoparticles using conducting polymers. Nanoscale, 2010, 2, 1436.	2.8	41
129	Facile Synthesis and Electrical Properties of Silver Wires through Chemical Reduction by Polyaniline. Journal of Physical Chemistry C, 2010, 114, 22147-22154.	1.5	41
130	Polymer-assisted preparation of metal nanoparticles with controlled size and morphology. Journal of Materials Chemistry, 2011, 21, 2550-2554.	6.7	41
131	Heteroatom-Doped Carbon Nanostructures Derived from Conjugated Polymers for Energy Applications. Polymers, 2016, 8, 366.	2.0	41
132	The design of a novel and resistant Zn(PZDC)(ATZ) MOF catalyst for the chemical fixation of CO₂ under solvent-free conditions. Inorganic Chemistry Frontiers, 2019, 6, 317-325.	3.0	41
133	Phase transition induced Raman enhancement on vanadium dioxide (VO₂) nanosheets. Journal of Materials Chemistry C, 2018, 6, 10855-10860.	2.7	40
134	Dual hydrogen-bond donor group-containing Zn-MOF for the highly effective coupling of CO₂and epoxides under mild and solvent-free conditions. Inorganic Chemistry Frontiers, 2020, 7, 1995-2005.	3.0	40
135	Mixed Titanium Oxide Strategy for Enhanced Photocatalytic Hydrogen Evolution. ACS Applied Materials & Interfaces, 2019, 11, 18475-18482.	4.0	39
136	Controlled Synthesis of Hollow Bimetallic Prussian Blue Analog for Conversion into Efficient Oxygen Evolution Electrocatalyst. ACS Sustainable Chemistry and Engineering, 2020, 8, 1319-1328.	3.2	39
137	Magnetic Field Enhanced Electrocatalytic Oxygen Evolution of NiFeâ€LDH/Co₃O₄ pâ€n Heterojunction Supported on Nickel Foam. Small Methods, 2022, 6, e2200084.	4.6	39
138	Anion-Induced Size Selection of Î²-Mo₂C Supported on Nitrogen-Doped Carbon Nanotubes for Electrocatalytic Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2018, 6, 11922-11929.	3.2	38
139	Cycloaddition of Carbon Dioxide to Epoxides for the Synthesis of Cyclic Carbonates with a Mixed Catalyst of Layered Double Hydroxide and Tetrabutylammonium Bromide at Ambient Temperature. Advanced Synthesis and Catalysis, 2019, 361, 335-344.	2.1	38
140	Anchoring porous carbon nanoparticles on carbon nanotubes as a high-performance composite with a unique core-sheath structure for electromagnetic pollution precaution. Journal of Materials Chemistry A, 2021, 9, 22489-22500.	5.2	38
141	Fabrication of uniform Ru-doped NiFe₂O₄ nanosheets as an efficient hydrogen evolution electrocatalyst. Chemical Communications, 2019, 55, 14649-14652.	2.2	37
142	Highly Selective Electrocatalytic Reduction of CO₂ into Methane on Cuâ€“Bi Nanoalloys. Journal of Physical Chemistry Letters, 2020, 11, 7261-7266.	2.1	37
143	Hollow FeCo-FeCoP@C nanocubes embedded in nitrogen-doped carbon nanocages for efficient overall water splitting. Journal of Energy Chemistry, 2021, 53, 1-8.	7.1	37
144	Mechanistic Study of Silver Nanoparticle Formation on Conducting Polymer Surfaces. Langmuir, 2011, 27, 4979-4985.	1.6	36

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145	FeMoO₄ nanorods for efficient ambient electrochemical nitrogen reduction. Chemical Communications, 2020, 56, 6834-6837.	2.2	36
146	Novel HBD-Containing Zn (dobdc) (datz) as efficiently heterogeneous catalyst for CO2 chemical conversion under mild conditions. Green Energy and Environment, 2021, 6, 66-74.	4.7	36
147	Effect of ultrasonic irradiation on the structure and electrochemical properties of cathode material LiNi0.5Mn0.5O2 for lithium batteries. Solid State Ionics, 2007, 178, 1230-1234.	1.3	35
148	Sustainability Perspective-Oriented Synthetic Strategy for Zinc Single-Atom Catalysts Boosting Electrocatalytic Reduction of Carbon Dioxide and Oxygen. ACS Sustainable Chemistry and Engineering, 2020, 8, 13813-13822.	3.2	35
149	Zn-Doped CoS₂ Nanoarrays for an Efficient Oxygen Evolution Reaction: Understanding the Doping Effect for a Precatalyst. ACS Applied Materials & Interfaces, 2022, 14, 14235-14242.	4.0	35
150	Mild hydrothermal synthesis of hexagonal CuS nanoplates. Journal of Crystal Growth, 2008, 310, 5437-5440.	0.7	34
151	Î³-irradiation induced one-step synthesis of electromagnetic functionalized reduced graphene oxideâ€“Ni nanocomposites. RSC Advances, 2014, 4, 30467-30470.	1.7	34
152	Precursor-directed synthesis of porous cobalt assemblies with tunable close-packed hexagonal and face-centered cubic phases for the effective enhancement in microwave absorption. Journal of Materials Science, 2017, 52, 4399-4411.	1.7	34
153	A confined â€œmicroreactorâ€•synthesis strategy to three dimensional nitrogen-doped graphene for high-performance sodium ion battery anodes. Journal of Power Sources, 2018, 378, 105-111.	4.0	34
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