Yunchen Du

List of Publications by Citations

146	9,551	53	95
papers	citations	h-index	g-index
155	11,989	8.3	6.66
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
146	Shell thickness-dependent microwave absorption of core-shell Fe3O4@C composites. *ACS Applied Materials & Interfaces*, **2014**, 6, 12997-3006	9.5	700
145	The electromagnetic property of chemically reduced graphene oxide and its application as microwave absorbing material. *Applied Physics Letters*, **2011**, 98, 072906	3.4	520
144	Rational design of core-shell Co@C microspheres for high-performance microwave absorption. *Carbon*, **2017**, 111, 722-732	10.4	493
143	Metal organic framework-derived Fe/C nanocubes toward efficient microwave absorption. *Journal of Materials Chemistry A*, **2015**, 3, 13426-13434	13	424
142	Constructing Uniform Core-Shell PPy@PANI Composites with Tunable Shell Thickness toward Enhancement in Microwave Absorption. *ACS Applied Materials & Interfaces*, **2015**, 7, 20090-9	9.5	343
141	Magnetic CoFe2O4 nanoparticles supported on titanate nanotubes (CoFe2O4/TNTs) as a novel heterogeneous catalyst for peroxymonosulfate activation and degradation of organic pollutants. *Journal of Hazardous Materials*, **2016**, 308, 58-66	12.8	268
140	Rational design of yolk-shell C@C microspheres for the effective enhancement in microwave absorption. *Carbon*, **2016**, 98, 599-606	10.4	209
139	Non-radical-dominated catalytic degradation of bisphenol A by ZIF-67 derived nitrogen-doped carbon nanotubes frameworks in the presence of peroxymonosulfate. *Chemical Engineering Journal* , **2018**, 336, 721-731	14.7	209
138	Controlled Synthesis and Morphology-Dependent Electromagnetic Properties of Hierarchical Cobalt Assemblies. *Journal of Physical Chemistry C*, **2010**, 114, 14826-14830	3.8	186
137	Controlled Synthesis of Hierarchical Nickel and Morphology-Dependent Electromagnetic Properties. *Journal of Physical Chemistry C*, **2010**, 114, 3196-3203	3.8	186
136	Electromagnetic functionalized Co/C composites by in situ pyrolysis of metal-organic frameworks (ZIF-67). *Journal of Alloys and Compounds*, **2016**, 681, 384-393	5.7	177
135	MOFs-Derived Hollow Co/C Microspheres with Enhanced Microwave Absorption Performance. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 8904-8913	8.3	170
134	The electromagnetic properties and microwave absorption of mesoporous carbon. *Materials Chemistry and Physics*, **2012**, 135, 884-891	4.4	164
133	Prussian blue analogues derived magnetic FeCo alloy/carbon composites with tunable chemical composition and enhanced microwave absorption. *Journal of Colloid and Interface Science*, **2018**, 514, 10-20	9.3	162
132	Core-shell FeCo@carbon nanoparticles encapsulated in polydopamine-derived carbon nanocages for efficient microwave absorption. *Carbon*, **2019**, 145, 701-711	10.4	159
131	Multifunctional polymer-metal nanocomposites via direct chemical reduction by conjugated polymers. *Chemical Society Reviews*, **2014**, 43, 1349-60	58.5	159
130	Pea-like Fe/FeC Nanoparticles Embedded in Nitrogen-Doped Carbon Nanotubes with Tunable Dielectric/Magnetic Loss and Efficient Electromagnetic Absorption. *ACS Applied Materials & Interfaces*, **2019**, 11, 4268-4277	9.5	158

129	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	13	157
128	Synthesis of electromagnetic functionalized Fe3O4 microspheres/polyaniline composites by two-step oxidative polymerization. *Journal of Physical Chemistry B*, **2012**, 116, 9523-31	3.4	142
127	Waxberry-like hierarchical Ni@C microspheres with high-performance microwave absorption. *Journal of Materials Chemistry C*, **2019**, 7, 5037-5046	7.1	127
126	Microwave absorption enhancement of Fe3O4/polyaniline core/shell hybrid microspheres with controlled shell thickness. *Journal of Applied Polymer Science*, **2013**, 130, 1909-1916	2.9	118
125	Understanding the Phase-Induced Electrocatalytic Oxygen Evolution Reaction Activity on FeOOH Nanostructures. *ACS Catalysis*, **2019**, 9, 10705-10711	13.1	113
124	Solvent-free preparation of nanosized sulfated zirconia with Brønsted acidic sites from a simple calcination. *Journal of Physical Chemistry B*, **2005**, 109, 2567-72	3.4	113
123	Recent Advances in Plasmonic Nanostructures for Enhanced Photocatalysis and Electrocatalysis. *Advanced Materials*, **2021**, 33, e2000086	24	112
122	Interfacially Engineered Sandwich-Like rGO/Carbon Microspheres/rGO Composite as an Efficient and Durable Microwave Absorber. *Advanced Materials Interfaces*, **2016**, 3, 1500684	4.6	107
121	Synthesis and characterization of polyaniline nanoparticles with enhanced microwave absorption. *RSC Advances*, **2013**, 3, 12694	3.7	105
120	Highly Efficient Visible-Light-Driven Photocatalytic Hydrogen Production on CdS/CuS/g-CN Ternary Heterostructures. *ACS Applied Materials & Interfaces*, **2018**, 10, 20404-20411	9.5	104
119	One-step synthesis of novel Fe3C@nitrogen-doped carbon nanotubes/graphene nanosheets for catalytic degradation of Bisphenol A in the presence of peroxymonosulfate. *Chemical Engineering Journal*, **2019**, 356, 1022-1031	14.7	102
118	Surfactant-Assisted Solvothermal Synthesis of Ba(CoTi)xFe12−2xO19 Nanoparticles and Enhancement in Microwave Absorption Properties of Polyaniline. *Journal of Physical Chemistry C*, **2010**, 114, 19600-19606	3.8	94
117	Highly sensitive surface-enhanced Raman spectroscopy (SERS) platforms based on silver nanostructures fabricated on polyaniline membrane surfaces. *ACS Applied Materials & Interfaces*, **2012**, 4, 2752-6	9.5	91
116	MOFs-derived multi-chamber carbon microspheres with enhanced microwave absorption. *Carbon*, **2020**, 157, 478-485	10.4	89
115	Synthesis of pomegranate-like Mo2C@C nanospheres for highly efficient microwave absorption. *Chemical Engineering Journal*, **2019**, 372, 312-320	14.7	85
114	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	10.3	85
113	Fabrication of Three-Dimensional Flower-like Heterogeneous FeO/Fe Particles with Tunable Chemical Composition and Microwave Absorption Performance. *ACS Applied Materials & Interfaces*, **2019**, 11, 19267-19276	9.5	84
112	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	8.3	81

111	Nitrogen, phosphorus, and sulfur tri-doped hollow carbon shells derived from ZIF-67@poly (cyclotriphosphazene-co-4, 4?-sulfonyldiphenol) as a robust catalyst of peroxymonosulfate activation for degradation of bisphenol A. *Carbon*, **2018**, 137, 291-303	10.4	76
110	Bifunctional Nitrogen-Doped Microporous Carbon Microspheres Derived from Poly(o-methylaniline) for Oxygen Reduction and Supercapacitors. *ACS Applied Materials & Interfaces*, **2016**, 8, 3601-8	9.5	75
109	Facile synthesis of 3D flower-like Ni microspheres with enhanced microwave absorption properties. *Journal of Materials Chemistry C*, **2018**, 6, 9615-9623	7.1	74
108	How to Reliably Report the Overpotential of an Electrocatalyst. *ACS Energy Letters*, **2020**, 5, 1083-1087	20.1	70
107	Recent Advances in Conjugated Polymer-Based Microwave Absorbing Materials. *Polymers*, **2017**, 9,	4.5	68
106	Heterogeneous Interface Induced the Formation of Hierarchically Hollow Carbon Microcubes against Electromagnetic Pollution. *Small*, **2020**, 16, e2003407	11	68
105	Synthesis and microwave absorption enhancement of yolk□shell Fe3O4@C microspheres. *Journal of Materials Science*, **2017**, 52, 6349-6361	4.3	66
104	Degradation of organic pollutants by NiFe2O4/peroxymonosulfate: efficiency, influential factors and catalytic mechanism. *RSC Advances*, **2016**, 6, 11040-11048	3.7	62
103	Metal□Organic Frameworks Derived Interconnected Bimetallic Metaphosphate Nanoarrays for Efficient Electrocatalytic Oxygen Evolution. *Advanced Functional Materials*, **2020**, 30, 1910498	15.6	60
102	Ultrasmall Mo2C Nanoparticle-Decorated Carbon Polyhedrons for Enhanced Microwave Absorption. *ACS Applied Nano Materials*, **2018**, 1, 5366-5376	5.6	60
101	Space-Confined Synthesis of Core-Shell BaTiO@Carbon Microspheres as a High-Performance Binary Dielectric System for Microwave Absorption. *ACS Applied Materials & Interfaces*, **2019**, 11, 31182-31190	9.5	58
100	Ru nanoassembly catalysts for hydrogen evolution and oxidation reactions in electrolytes at various pH values. *Applied Catalysis B: Environmental*, **2019**, 258, 117952	21.8	58
99	Unraveling the Raman Enhancement Mechanism on 1T'-Phase ReS Nanosheets. *Small*, **2018**, 14, e1704079	11	56
98	Rational design and synthesis of SnO 2 -encapsulated □Fe 2 O 3 nanocubes as a robust and stable photo-Fenton catalyst. *Applied Catalysis B: Environmental*, **2017**, 210, 23-33	21.8	54
97	Amino Acid-Assisted Synthesis of Hierarchical Silver Microspheres for Single Particle Surface-Enhanced Raman Spectroscopy. *Journal of Physical Chemistry C*, **2013**, 117, 10007-10012	3.8	53
96	Solvent-Free Synthesis of Ultrafine Tungsten Carbide Nanoparticles-Decorated Carbon Nanosheets for Microwave Absorption. *Nano-Micro Letters*, **2020**, 12, 153	19.5	53
95	Cobalt ferrite nanoparticles supported on electrospun carbon fiber as a magnetic heterogeneous catalyst for activating peroxymonosulfate. *Chemosphere*, **2018**, 208, 502-511	8.4	53
94	Reduced graphene oxide decorated with carbon nanopolyhedrons as an efficient and lightweight microwave absorber. *Journal of Colloid and Interface Science*, **2018**, 528, 174-183	9.3	53

93	FeCo alloy nanoparticles supported on ordered mesoporous carbon for enhanced microwave absorption. *Journal of Materials Science*, **2017**, 52, 13636-13649	4.3	52
92	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	9.5	51
91	Enhanced degradation of paracetamol in water using sulfate radical-based advanced oxidation processes catalyzed by 3-dimensional Co3O4 nanoflower. *Chemical Engineering Journal*, **2019**, 373, 1329-1337	14.7	51
90	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	13	51
89	Synthesis and characterization of Co-Sn substituted barium ferrite particles by a reverse microemulsion technique. *Materials Research Bulletin*, **2011**, 46, 643-648	5.1	48
88	Urea-assisted synthesis of hydrothermally stable Zr-SBA-15 and catalytic properties over their sulfated samples. *Microporous and Mesoporous Materials*, **2009**, 121, 185-193	5.3	46
87	Ti-containing hierarchical Beta with highly active sites for deep desulfurization of fuels under mild conditions. *Catalysis Science and Technology*, **2016**, 6, 7615-7622	5.5	45
86	Ternary Mo2C/Co/C composites with enhanced electromagnetic waves absorption. *Chemical Engineering Journal*, **2020**, 387, 124159	14.7	44
85	Fabrication of thorny Au nanostructures on polyaniline surfaces for sensitive surface-enhanced Raman spectroscopy. *ACS Applied Materials & Interfaces*, **2013**, 5, 49-54	9.5	43
84	Dual functions of glucose induced composition-controllable Co/C microspheres as high-performance microwave absorbing materials. *Carbon*, **2020**, 168, 404-414	10.4	42
83	CoMoO4 as a novel heterogeneous catalyst of peroxymonosulfate activation for the degradation of organic dyes. *RSC Advances*, **2017**, 7, 36193-36200	3.7	41
82	Pure carbon microwave absorbers from anion-exchange resin pyrolysis. *Synthetic Metals*, **2010**, 160, 2191-2196	3.8	41
81	ZIF-8 derived nitrogen-doped porous carbon as metal-free catalyst of peroxymonosulfate activation. *Environmental Science and Pollution Research*, **2017**, 24, 16276-16288	5.1	40
80	Degradation of shale gas produced water by magnetic porous MFe2O4 (M = Cu, Ni, Co and Zn) heterogeneous catalyzed ozone. *Chemical Engineering Journal*, **2018**, 345, 98-106	14.7	39
79	Surface functionalization of carbonyl iron with aluminum phosphate coating toward enhanced anti-oxidative ability and microwave absorption properties. *Applied Surface Science*, **2018**, 427, 594-602	6.7	37
78	Ultrafast Surface-Plasmon-Induced Photodimerization of p-Aminothiophenol on Ag/TiO2 Nanoarrays. *ChemCatChem*, **2016**, 8, 1819-1824	5.2	37
77	Conjugated polymer-mediated synthesis of nitrogen-doped carbon nanoribbons for oxygen reduction reaction. *Carbon*, **2017**, 124, 630-636	10.4	35
76	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	10	34

75	Template synthesis of nitrogen-doped carbon nanocages encapsulated carbon nanobubbles as catalyst for activation of peroxymonosulfate. *Inorganic Chemistry Frontiers*, **2018**, 5, 1849-1860	6.8	33
74	The search of promoters for silica condensation and rational synthesis of hydrothermally stable and well ordered mesoporous silica materials with high degree of silica condensation at conventional temperature. *Microporous and Mesoporous Materials*, **2008**, 112, 225-234	5.3	33
73	Solvent-free synthesis of hexagonal barium ferrite (BaFe12O19) particles. *Journal of Materials Science*, **2010**, 45, 2442-2448	4.3	32
72	Cobalt-impregnated biochar produced from CO-mediated pyrolysis of Co/lignin as an enhanced catalyst for activating peroxymonosulfate to degrade acetaminophen. *Chemosphere*, **2019**, 226, 924-933	8.4	31
71	A crystalline amorphous Ni Ni(OH)2 core shell catalyst for the alkaline hydrogen evolution reaction. *Journal of Materials Chemistry A*, **2020**, 8, 23323-23329	13	31
70	Heteroatom-Doped Carbon Nanostructures Derived from Conjugated Polymers for Energy Applications. *Polymers*, **2016**, 8,	4.5	31
69	rradiation induced one-step synthesis of electromagnetic functionalized reduced graphene oxide Ni nanocomposites. *RSC Advances*, **2014**, 4, 30467-30470	3.7	30
68	Ordered mesoporous sulfated silica-zirconia materials with high zirconium contents in the structure. *Journal of Porous Materials*, **2006**, 13, 163-171	2.4	28
67	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	9.5	28
66	Homogeneous Metal Nitrate Hydroxide Nanoarrays Grown on Nickel Foam for Efficient Electrocatalytic Oxygen Evolution. *Small*, **2018**, 14, e1803783	11	28
65	Mixed Titanium Oxide Strategy for Enhanced Photocatalytic Hydrogen Evolution. *ACS Applied Materials & Interfaces*, **2019**, 11, 18475-18482	9.5	27
64	Precursor-directed synthesis of quasi-spherical barium ferrite particles with good dispersion and magnetic properties. *CrystEngComm*, **2013**, 15, 808-815	3.3	27
63	Anion-Induced Size Selection of Mo2C Supported on Nitrogen-Doped Carbon Nanotubes for Electrocatalytic Hydrogen Evolution. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 11922-11929	8.3	25
62	Ultrafine CoO nanoparticles as an efficient cocatalyst for enhanced photocatalytic hydrogen evolution. *Nanoscale*, **2019**, 11, 15633-15640	7.7	25
61	Phenolic resin reinforcement: A new strategy for hollow NiCo@C microboxes against electromagnetic pollution. *Carbon*, **2021**, 174, 673-682	10.4	25
60	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	4.3	24
59	Fabrication of uniform Ru-doped NiFeO nanosheets as an efficient hydrogen evolution electrocatalyst. *Chemical Communications*, **2019**, 55, 14649-14652	5.8	24
58	Cobalt-embedded carbon nanofiber derived from a coordination polymer as a highly efficient heterogeneous catalyst for activating oxone in water. *Chemosphere*, **2018**, 195, 272-281	8.4	24

57	In Situ Growth of Amorphous Fe(OH) on Nickel Nitrate Hydroxide Nanoarrays for Enhanced Electrocatalytic Oxygen Evolution. *ACS Applied Materials & Interfaces*, **2020**, 12, 12668-12676	9.5	23
56	Highly efficient synthesis of Fe-containing mesoporous materials by using semi-fluorinated surfactant and their high activities in Friedel□rafts alkylations. *Catalysis Today*, **2008**, 131, 70-75	5.3	23
55	Preparation of reduced graphene oxide coated flaky carbonyl iron composites and their excellent microwave absorption properties.. *RSC Advances*, **2018**, 8, 2971-2977	3.7	22
54	An in situ SERS study of substrate-dependent surface plasmon induced aromatic nitration. *Journal of Materials Chemistry C*, **2015**, 3, 5285-5291	7.1	21
53	Composition Optimization and Microstructure Design in MOFs-Derived Magnetic Carbon-Based Microwave Absorbers: A Review. *Nano-Micro Letters*, **2021**, 13, 208	19.5	21
52	Differential shrinkage induced formation of yolk-shell carbon microspheres toward enhanced microwave absorption. *Applied Physics Letters*, **2017**, 111, 133103	3.4	20
51	Magnetic and electromagnetic properties of composites of iron oxide and Co□ alloy prepared by chemical reduction. *Journal of Magnetism and Magnetic Materials*, **2011**, 323, 14-21	2.8	20
50	Phase transition induced Raman enhancement on vanadium dioxide (VO2) nanosheets. *Journal of Materials Chemistry C*, **2018**, 6, 10855-10860	7.1	20
49	Mesostructured Sulfated Tin Oxide and its High Catalytic Activity in Esterification and Friedel□rafts Acylation. *Catalysis Letters*, **2006**, 108, 155-158	2.8	18
48	Fast fabrication of homogeneous silver nanostructures on hydrazine treated polyaniline films for SERS applications. *CrystEngComm*, **2012**, 14, 4952	3.3	17
47	Polydopamine Microsphere-Incorporated Electrospun Fibers as Novel Adsorbents for Dual-Responsive Adsorption of Methylene Blue. *ACS Applied Materials & Interfaces*, **2020**, 12, 49723-49736	9.5	17
46	Pearson's principle-inspired strategy for the synthesis of amorphous transition metal hydroxide hollow nanocubes for electrocatalytic oxygen evolution. *Materials Chemistry Frontiers*, **2018**, 2, 1523-1528	7.8	16
45	Coordination polymer-derived porous Co3O4 nanosheet as an effective catalyst for activating peroxymonosulfate to degrade sulfosalicylic acid. *Applied Surface Science*, **2020**, 532, 147382	6.7	16
44	Synthesis of Sulfated Silica-Doped Tin Oxides and Their High Activities in Transesterification. *Catalysis Letters*, **2008**, 124, 133-138	2.8	15
43	Hydrothermal synthesis of ternary MoS2xSe2(1□) nanosheets for electrocatalytic hydrogen evolution. *Inorganic Chemistry Frontiers*, **2018**, 5, 1386-1390	6.8	14
42	Facile Synthesis of Yolk□Shell Mn3O4 Microspheres as a High-Performance Peroxymonosulfate Activator for Bisphenol A Degradation. *Industrial & Engineering Chemistry Research*, **2019**, 58, 21304-21311	3.9	14
41	Ordered mesoporous silica materials (SBA-15) with good heat-resistant magnetism. *Journal of Magnetism and Magnetic Materials*, **2008**, 320, 1932-1936	2.8	14
40	A review on recent advances in carbon-based dielectric system for microwave absorption. *Journal of Materials Science*, **2021**, 56, 10782-10811	4.3	14

39	Enhanced degradation of 5-sulfosalicylic acid using peroxymonosulfate activated by ordered porous silica-confined Co3O4 prepared via a solvent-free confined space strategy. *Separation and Purification Technology*, **2020**, 249, 116972	8.3	13
38	Construction of core-shell ZnS@In2S3 rhombic dodecahedron Z-scheme heterojunction structure: Enhanced photocatalytic activity and mechanism insight. *Chemical Engineering Journal*, **2021**, 423, 130138	14.7	12
37	Performance Vs Convenience of Magnetic Carbon-Metal Nanocomposites: A Low-Cost and Facile Citrate-Derived Strategy for Feco Alloy/Carbon Composites with High-Performance Microwave Absorption. *Comments on Inorganic Chemistry*, **2017**, 37, 301-326	3.9	11
36	Chemical deposition of Ag nanostructures on polypyrrole films as active SERS substrates. *RSC Advances*, **2014**, 4, 7202	3.7	11
35	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*,	13	11
34	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	9.1	11
33	Microwave absorption performance of in situ synthesized Fe3O4-SiO2 hybrid fibres with enhanced environmental stability. *Ceramics International*, **2018**, 44, 6673-6680	5.1	10
32	Mesoporous aluminophosphates and Fe-aluminophosphates with highly thermal stability and large surface area templated from semi-fluorinated surfactant. *Microporous and Mesoporous Materials*, **2008**, 114, 250-256	5.3	10
31	Fabrication of PPy Nanosphere/rGO Composites via a Facile Self-Assembly Strategy for Durable Microwave Absorption. *Polymers*, **2018**, 10,	4.5	10
30	O, S-Dual-Vacancy Defects Mediated Efficient Charge Separation in ZnInS/Black TiO Heterojunction Hollow Spheres for Boosting Photocatalytic Hydrogen Production. *ACS Applied Materials & Interfaces*, **2021**, 13, 37545-37552	9.5	10
29	Galvanic replacement mediated synthesis of rGO□Mn3O4□Pt nanocomposites for the oxygen reduction reaction. *RSC Advances*, **2016**, 6, 89124-89129	3.7	9
28	Response to □comment on □the electromagnetic property of chemically reduced graphene oxide and its application as microwave absorbing material□[Appl. Phys. Lett. 100, 046101 (2012)]. *Applied Physics Letters*, **2012**, 100, 046102	3.4	9
27	Fabrication of H-TiO2/CdS/Cu2-xS Ternary Heterostructures for Enhanced Photocatalytic Hydrogen Production. *ChemistrySelect*, **2017**, 2, 2681-2686	1.8	8
26	In-situ construction of Mo3S4/Cd0.5Zn0.5S heterojunction: An efficient and stable photocatalyst for H2 evolution. *International Journal of Hydrogen Energy*, **2020**, 45, 21014-21023	6.7	7
25	MoP4 Nanoparticles as a Novel and Efficient Cocatalyst for Enhanced Photocatalytic Hydrogen Evolution. *ChemCatChem*, **2019**, 11, 6244-6251	5.2	7
24	Gamma irradiation induced synthesis of electromagnetic functionalized aligned CoxNi1□ alloy nanobundles. *RSC Advances*, **2016**, 6, 72263-72268	3.7	7
23	Magnetic cobalt-embedded carbon nitride composite derived from one-dimensional coordination polymer as an efficient catalyst for activating oxone to degrade methyltheobromine in water. *Science of the Total Environment*, **2019**, 678, 466-475	10.2	6
22	Development of 3-dimensional CoO catalysts with various morphologies for activation of Oxone to degrade 5-sulfosalicylic acid in water. *Science of the Total Environment*, **2020**, 724, 138032	10.2	6

21	Crystalline-Amorphous Ni P O /NiMoO Nanoarrays for Alkaline Water Electrolysis: Enhanced Catalytic Activity via In Situ Surface Reconstruction.. *Small*, **2022**, e2105972	11	6
20	Ordered mesoporous silica-based materials with very high content of substituted heteroatoms from a pH-adjustor of urea. *Studies in Surface Science and Catalysis*, **2007**, 170, 1734-1739	1.8	5
19	Cotton cloth supported tungsten carbide/carbon nanocomposites as a Janus film for solar driven interfacial water evaporation. *Journal of Materials Chemistry A*,	13	5
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17	Site-Selective Chlorination of Graphene through Laser-Induced In Situ Decomposition of AgCl Nanoparticles. *ChemNanoMat*, **2016**, 2, 515-519	3.5	3
16	Cornstalk-derived macroporous carbon materials with enhanced microwave absorption. *Journal of Materials Science: Materials in Electronics*, **2020**, 1	2.1	3
15	In Situ Raman Monitoring of Silver(I)-Aided Laser-Driven Cleavage Reaction of Cyclobutane. *ChemPhysChem*, **2016**, 17, 46-50	3.2	3
14	Treatment of shale gas produced water by magnetic CuFeO/TNTs hybrid heterogeneous catalyzed ozone: Efficiency and mechanisms. *Journal of Hazardous Materials*, **2022**, 423, 127124	12.8	3
13	Surface reconstruction of phosphorus-doped cobalt molybdate microarrays in electrochemical water splitting. *Chemical Engineering Journal*, **2022**, 446, 137094	14.7	3
12	TiO2-loaded epoxy resin with improved electrical characteristics as promising insulating materials. *Plastics, Rubber and Composites*, **2020**, 49, 179-186	1.5	2
11	Fe3+-Exchanged Titanate Nanotubes: A New Kind of Highly Active Heterogeneous Catalyst for Friedel-Crafts Type Benzylation. *Journal of Nanomaterials*, **2015**, 2015, 1-9	3.2	2
10	In-situ interstitial zinc doping-mediated efficient charge separation for ZnIn2S4 nanosheets visible-light photocatalysts towards optimized overall water splitting. *Chemical Engineering Journal*, **2022**, 435, 135074	14.7	2
9	Porous cauliflower-like molybdenum disulfide/cadmium sulfide hybrid micro/nano structure: Enhanced visible light absorption ability and photocatalytic activity. *Journal of Colloid and Interface Science*, **2021**, 590, 352-364	9.3	2
8	SnO2 shells-induced rich Co2+ sites and oxygen vacancies in FexCo3-xO4 nanocubes: Enhanced peroxymonosulfate activation performance for water remediation. *Chemical Engineering Journal*, **2022**, 439, 135682	14.7	2
7	High-efficient electromagnetic absorption and composites of carbon microspheres. *Journal of Applied Physics*, **2021**, 130, 230902	2.5	2
6	Hierarchical carbon nanotubes@Ni/C foams for high-performance microwave absorption. *Carbon*, **2022**, 196, 867-876	10.4	2
5	Design and Size Control of Uniform Zeolite Nanocrystals Synthesized in Adjustable Confined Voids Formed by Recyclable Monodisperse Polymer Spheres. *Angewandte Chemie*, **2005**, 117, 2619-2624	3.6	1
4	CdS@Polydopamine@SnO2-x sandwich structure with electrostatic repulsion effect and oxygen deficiency: enhanced photocatalytic hydrogen evolution activity and inhibited photo-corrosion. *Chemical Engineering Journal*, **2022**, 434, 134602	14.7	1

3	Fe3C/Fe nanoparticles decorated three-dimensional nitrogen-doped carbon foams for highly efficient bisphenol A removal through peroxymonosulfate activation. *Chemical Engineering Journal*, **2022**, 437, 135472	14.7	1
2	A review of recent advancements in Ni-related materials used for microwave absorption. *Journal Physics D: Applied Physics*, **2021**, 54, 473003	3	0
1	Design and Size Control of Uniform Zeolite Nanocrystals Synthesized in Adjustable Confined Voids Formed by Recyclable Monodisperse Polymer Spheres. *Angewandte Chemie*, **2006**, 118, 5860-5860	3.6	