Yunjin Yao

List of Publications by Year
in descending order

50 papers	6,105 citations	159585 30 h-index	223800 46 g-index
50 all docs	50 docs citations	50 times ranked	7255 citing authors

#	Article	IF	Citations
1	Nonprecious bimetallic Fe, Mo-embedded N-enriched porous biochar for efficient oxidation of aqueous organic contaminants. Journal of Hazardous Materials, 2022, 422, 126776.	12.4	53
2	Pyrite-embedded porous carbon nanocatalysts assembled in polyvinylidene difluoride membrane for organic pollutant oxidation. Journal of Colloid and Interface Science, 2022, 608, 2942-2954.	9.4	9
3	Synthesis and characterization of iron-nitrogen-doped biochar catalysts for organic pollutant removal and hexavalent chromium reduction. Journal of Colloid and Interface Science, 2022, 610, 334-346.	9.4	34
4	Fe, Cu-coordinated ZIF-derived bimetal encapsulated Nâ€‘doped carbon nanotube for efficient remediation of various aqueous pollutants. Chemical Engineering Journal, 2021, 426, 131801.	12.7	25
5	Nonprecious bimetallic (Mo, Fe)-N/C nanostructures loaded on PVDF membrane for toxic CrVI reduction from water. Journal of Hazardous Materials, 2020, 389, 121844.	12.4	19
6	Phase change on stainless-steel mesh for promoting sulfate radical formation via peroxymonosulfate oxidation. Applied Catalysis B: Environmental, 2020, 278, 119333.	20.2	25
7	Nano-Fe0 embedded in N-doped carbon architectures for enhanced oxidation of aqueous contaminants. Chemical Engineering Science, 2020, 227, 115941.	3.8	17
8	Zn-MoS2 nanocatalysts anchored in porous membrane for accelerated catalytic conversion of water contaminants. Chemical Engineering Journal, 2020, 398, 125455.	12.7	29
9	Metal-free catalysts of graphitic carbon nitrideâ€“covalent organic frameworks for efficient pollutant destruction in water. Journal of Colloid and Interface Science, 2019, 554, 376-387.	9.4	69
10	Electronic structure modulation of covalent organic frameworks by single-atom Fe doping for enhanced oxidation of aqueous contaminants. Chemical Engineering Science, 2019, 209, 115211.	3.8	69
11	Tannic acid-Fe coordination derived Fe/N-doped carbon hybrids for catalytic oxidation processes. Applied Surface Science, 2019, 489, 44-54.	6.1	40
12	Ni0 encapsulated in N-doped carbon nanotubes for catalytic reduction of highly toxic hexavalent chromium. Applied Surface Science, 2018, 440, 421-431.	6.1	44
13	Nitrogen-doped carbon encapsulating molybdenum carbide and nickel nanostructures loaded with PVDF membrane for hexavalent chromium reduction. Chemical Engineering Journal, 2018, 344, 535-544.	12.7	40
14	Magnetic Recoverable F-N Co-Doped ZnFe₂O₄/C/TiO₂ Nanocomposites with UV-Vis Light Photocatalytic Activity. Environmental Engineering Science, 2018, 35, 37-45.	1.6	12
15	Activation of persulfates by catalytic nickel nanoparticles supported on N-doped carbon nanofibers for degradation of organic pollutants in water. Journal of Colloid and Interface Science, 2018, 529, 100-110.	9.4	53
16	Iron encapsulated in 3D N-doped carbon nanotube/porous carbon hybrid from waste biomass for enhanced oxidative activity. Environmental Science and Pollution Research, 2017, 24, 7679-7692.	5.3	30
17	Strontium-doped perovskite oxide La1-xSrxMnO3 (x = 0, 0.2, 0.6) as a highly efficient electrocatalyst for nonaqueous Li-O2 batteries. Electrochimica Acta, 2017, 232, 296-302.	5.2	52
18	Heteroatoms doped metal ironâ€“polyvinylidene fluoride (PVDF) membrane for enhancing oxidation of organic contaminants. Journal of Hazardous Materials, 2017, 338, 265-275.	12.4	62

#	Article	IF	Citations
19	Synthesis of â€œsea urchinâ€•like carbon nanotubes/porous carbon superstructures derived from waste biomass for treatment of various contaminants. Applied Catalysis B: Environmental, 2017, 219, 563-571.	20.2	134
20	Fe, Co, Ni nanocrystals encapsulated in nitrogen-doped carbon nanotubes as Fenton-like catalysts for organic pollutant removal. Journal of Hazardous Materials, 2016, 314, 129-139.	12.4	344
21	Enhanced photo-Fenton-like process over Z-scheme CoFe2O4/g-C3N4 Heterostructures under natural indoor light. Environmental Science and Pollution Research, 2016, 23, 21833-21845.	5.3	124
22	Iron encapsulated in boron and nitrogen codoped carbon nanotubes as synergistic catalysts for Fenton-like reaction. Water Research, 2016, 101, 281-291.	11.3	257
23	Spectral Inspections on Molecular Configurations of Nile Blue A Adsorbed on the Elementary Clay Sheets. Journal of Physical Chemistry B, 2015, 119, 13302-13308.	2.6	15
24	One-pot approach for synthesis of N-doped TiO2/ZnFe2O4 hybrid as an efficient photocatalyst for degradation of aqueous organic pollutants. Journal of Hazardous Materials, 2015, 291, 28-37.	12.4	173
25	LiNi1/3Co1/3Mn1/3O2 coated by Al2O3 from urea homogeneous precipitation method: improved Li storage performance and mechanism exploring. Journal of Solid State Electrochemistry, 2015, 19, 1523-1533.	2.5	21
26	Characterization and reactivity of Î³-Al2O3 supported Pdâ€“Ni bimetallic nanocatalysts for selective hydrogenation of cyclopentadiene. Chinese Chemical Letters, 2015, 26, 709-713.	9.0	15
27	Sulfate radicals induced from peroxymonosulfate by cobalt manganese oxides (Co x Mn 3â˜'x O 4) for Fenton-Like reaction in water. Journal of Hazardous Materials, 2015, 296, 128-137.	12.4	363
28	Magnetic coreâ€“shell CuFe2O4@C3N4 hybrids for visible light photocatalysis of Orange II. Journal of Hazardous Materials, 2015, 297, 224-233.	12.4	337
29	Facile synthesis of magnetic ZnFe2O4â€“reduced graphene oxide hybrid and its photo-Fenton-like behavior under visible iradiation. Environmental Science and Pollution Research, 2014, 21, 7296-7306.	5.3	94
30	Magnetic recoverable MnFe2O4 and MnFe2O4-graphene hybrid as heterogeneous catalysts of peroxymonosulfate activation for efficient degradation of aqueous organic pollutants. Journal of Hazardous Materials, 2014, 270, 61-70.	12.4	439
31	Magnetic ZnFe₂O₄â€“C₃N₄ Hybrid for Photocatalytic Degradation of Aqueous Organic Pollutants by Visible Light. Industrial & Engineering Chemistry Research, 2014, 53, 17294-17302.	3.7	215
32	Mass Transfer Performance for Low SO₂ Absorption into Aqueous N,Nâ€²-Bis(2-hydroxypropyl)piperazine Solution in a Î¸-Ring Packed Column. Industrial & Engineering Chemistry Research, 2014, 53, 4462-4468.	3.7	13
33	Conformational Change of Bovine Serum Albumin Molecules at Neutral pH in Ultra-Diluted Aqueous Solutions. Journal of Physical Chemistry B, 2014, 118, 12207-12214.	2.6	15
34	One-pot hydrothermal synthesis of Co(OH)2 nanoflakes on graphene sheets and their fast catalytic oxidation of phenol in liquid phase. Journal of Colloid and Interface Science, 2013, 402, 230-236.	9.4	43
35	Synthesis of porous reduced graphene oxide as metal-free carbon for adsorption and catalytic oxidation of organics in water. Journal of Materials Chemistry A, 2013, 1, 5854.	10.3	187
36	Synthesis of Magnetic Cobalt Nanoparticles Anchored on Graphene Nanosheets and Catalytic Decomposition of Orange II. Industrial & Engineering Chemistry Research, 2013, 52, 17341-17350.	3.7	134

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37	Different types of MnO2 recovered from spent LiMn2O4 batteries and their application in electrochemical capacitors. Journal of Materials Science, 2013, 48, 2512-2519.	3.7	16
38	Supported Ionic-Liquid â€œSemi-Heterogeneous Catalystâ€: An Interfacial Chemical Study. Journal of Physical Chemistry C, 2013, 117, 7026-7038.	3.1	18
39	Facile Synthesis of Mn₃O₄â€“Reduced Graphene Oxide Hybrids for Catalytic Decomposition of Aqueous Organics. Industrial & Engineering Chemistry Research, 2013, 52, 3637-3645.	3.7	171
40	Hydrothermal Synthesis of Co₃O₄â€“Graphene for Heterogeneous Activation of Peroxymonosulfate for Decomposition of Phenol. Industrial & Engineering Chemistry Research, 2012, 51, 14958-14965.	3.7	231
41	Removal of simulated radionuclide Ce(III) from aqueous solution by as-synthesized chrysotile nanotubes. Chemical Engineering Journal, 2012, 213, 22-30.	12.7	19
42	Magnetic CoFe₂O₄â€“Graphene Hybrids: Facile Synthesis, Characterization, and Catalytic Properties. Industrial & Engineering Chemistry Research, 2012, 51, 6044-6051.	3.7	205
43	Synthesis, characterization, and adsorption properties of magnetic Fe3O4@graphene nanocomposite. Chemical Engineering Journal, 2012, 184, 326-332.	12.7	549
44	Fabrication of Fe3O4/SiO2 core/shell nanoparticles attached to graphene oxide and its use as an adsorbent. Journal of Colloid and Interface Science, 2012, 379, 20-26.	9.4	194
45	Equilibrium and kinetic studies of methyl orange adsorption on multiwalled carbon nanotubes. Chemical Engineering Journal, 2011, 170, 82-89.	12.7	415
46	Adsorption behavior of methylene blue on carbon nanotubes. Bioresource Technology, 2010, 101, 3040-3046.	9.6	675
47	Studies of the equilibrium of the adsorption of Cu(II) onto as-produced and purified carbon nanotubes. , 2010, , .		0
48	CVD synthesis and purification of multi-walled carbon nanotubes. , 2008, , .		2
49	CVD synthesis and hydrogen storage properties of multi-walled carbon nanotubes. , 2008, , .		2
50	Hydrogen Storage Using Carbon Nanotubes. , 0, , .		3