

Yunjin Yao

List of Publications by Year in descending order

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Version: 2024-02-01

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	Adsorption behavior of methylene blue on carbon nanotubes. <i>Bioresource Technology</i> , 2010, 101, 3040-3046.	9.6	675
2	Synthesis, characterization, and adsorption properties of magnetic Fe ₃ O ₄ @graphene nanocomposite. <i>Chemical Engineering Journal</i> , 2012, 184, 326-332.	12.7	549
3	Magnetic recoverable MnFe ₂ O ₄ and MnFe ₂ O ₄ -graphene hybrid as heterogeneous catalysts of peroxymonosulfate activation for efficient degradation of aqueous organic pollutants. <i>Journal of Hazardous Materials</i> , 2014, 270, 61-70.	12.4	439
4	Equilibrium and kinetic studies of methyl orange adsorption on multiwalled carbon nanotubes. <i>Chemical Engineering Journal</i> , 2011, 170, 82-89.	12.7	415
5	Sulfate radicals induced from peroxymonosulfate by cobalt manganese oxides (Co _x Mn _{3-<i>x</i>} O ₄) for Fenton-Like reaction in water. <i>Journal of Hazardous Materials</i> , 2015, 296, 128-137.	12.4	363
6	Fe, Co, Ni nanocrystals encapsulated in nitrogen-doped carbon nanotubes as Fenton-like catalysts for organic pollutant removal. <i>Journal of Hazardous Materials</i> , 2016, 314, 129-139.	12.4	344
7	Magnetic core-shell CuFe ₂ O ₄ @C ₃ N ₄ hybrids for visible light photocatalysis of Orange II. <i>Journal of Hazardous Materials</i> , 2015, 297, 224-233.	12.4	337
8	Iron encapsulated in boron and nitrogen codoped carbon nanotubes as synergistic catalysts for Fenton-like reaction. <i>Water Research</i> , 2016, 101, 281-291.	11.3	257
9	Hydrothermal Synthesis of Co ₃ O ₄ @Graphene for Heterogeneous Activation of Peroxymonosulfate for Decomposition of Phenol. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 14958-14965.	3.7	231
10	Magnetic ZnFe ₂ O ₄ @C ₃ N ₄ Hybrid for Photocatalytic Degradation of Aqueous Organic Pollutants by Visible Light. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 17294-17302.	3.7	215
11	Magnetic CoFe ₂ O ₄ @Graphene Hybrids: Facile Synthesis, Characterization, and Catalytic Properties. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 6044-6051.	3.7	205
12	Fabrication of Fe ₃ O ₄ /SiO ₂ core/shell nanoparticles attached to graphene oxide and its use as an adsorbent. <i>Journal of Colloid and Interface Science</i> , 2012, 379, 20-26.	9.4	194
13	Synthesis of porous reduced graphene oxide as metal-free carbon for adsorption and catalytic oxidation of organics in water. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5854.	10.3	187
14	One-pot approach for synthesis of N-doped TiO ₂ /ZnFe ₂ O ₄ hybrid as an efficient photocatalyst for degradation of aqueous organic pollutants. <i>Journal of Hazardous Materials</i> , 2015, 291, 28-37.	12.4	173
15	Facile Synthesis of Mn ₃ O ₄ @Reduced Graphene Oxide Hybrids for Catalytic Decomposition of Aqueous Organics. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 3637-3645.	3.7	171
16	Synthesis of Magnetic Cobalt Nanoparticles Anchored on Graphene Nanosheets and Catalytic Decomposition of Orange II. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 17341-17350.	3.7	134
17	Synthesis of sea urchin-like carbon nanotubes/porous carbon superstructures derived from waste biomass for treatment of various contaminants. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 563-571.	20.2	134
18	Enhanced photo-Fenton-like process over Z-scheme CoFe ₂ O ₄ /g-C ₃ N ₄ Heterostructures under natural indoor light. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21833-21845.	5.3	124

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19	Facile synthesis of magnetic ZnFe ₂ O ₄ @reduced graphene oxide hybrid and its photo-Fenton-like behavior under visible irradiation. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7296-7306.	5.3	94
20	Metal-free catalysts of graphitic carbon nitride@covalent organic frameworks for efficient pollutant destruction in water. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 376-387.	9.4	69
21	Electronic structure modulation of covalent organic frameworks by single-atom Fe doping for enhanced oxidation of aqueous contaminants. <i>Chemical Engineering Science</i> , 2019, 209, 115211.	3.8	69
22	Heteroatoms doped metal iron@polyvinylidene fluoride (PVDF) membrane for enhancing oxidation of organic contaminants. <i>Journal of Hazardous Materials</i> , 2017, 338, 265-275.	12.4	62
23	Activation of persulfates by catalytic nickel nanoparticles supported on N-doped carbon nanofibers for degradation of organic pollutants in water. <i>Journal of Colloid and Interface Science</i> , 2018, 529, 100-110.	9.4	53
24	Nonprecious bimetallic Fe, Mo-embedded N-enriched porous biochar for efficient oxidation of aqueous organic contaminants. <i>Journal of Hazardous Materials</i> , 2022, 422, 126776.	12.4	53
25	Strontium-doped perovskite oxide La _{1-x} Sr _x MnO ₃ (x = 0, 0.2, 0.6) as a highly efficient electrocatalyst for nonaqueous Li-O ₂ batteries. <i>Electrochimica Acta</i> , 2017, 232, 296-302.	5.2	52
26	NiO encapsulated in N-doped carbon nanotubes for catalytic reduction of highly toxic hexavalent chromium. <i>Applied Surface Science</i> , 2018, 440, 421-431.	6.1	44
27	One-pot hydrothermal synthesis of Co(OH) ₂ nanoflakes on graphene sheets and their fast catalytic oxidation of phenol in liquid phase. <i>Journal of Colloid and Interface Science</i> , 2013, 402, 230-236.	9.4	43
28	Nitrogen-doped carbon encapsulating molybdenum carbide and nickel nanostructures loaded with PVDF membrane for hexavalent chromium reduction. <i>Chemical Engineering Journal</i> , 2018, 344, 535-544.	12.7	40
29	Tannic acid-Fe coordination derived Fe/N-doped carbon hybrids for catalytic oxidation processes. <i>Applied Surface Science</i> , 2019, 489, 44-54.	6.1	40
30	Synthesis and characterization of iron-nitrogen-doped biochar catalysts for organic pollutant removal and hexavalent chromium reduction. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 334-346.	9.4	34
31	Iron encapsulated in 3D N-doped carbon nanotube/porous carbon hybrid from waste biomass for enhanced oxidative activity. <i>Environmental Science and Pollution Research</i> , 2017, 24, 7679-7692.	5.3	30
32	Zn-MoS ₂ nanocatalysts anchored in porous membrane for accelerated catalytic conversion of water contaminants. <i>Chemical Engineering Journal</i> , 2020, 398, 125455.	12.7	29
33	Phase change on stainless-steel mesh for promoting sulfate radical formation via peroxymonosulfate oxidation. <i>Applied Catalysis B: Environmental</i> , 2020, 278, 119333.	20.2	25
34	Fe, Cu-coordinated ZIF-derived bimetal encapsulated N-doped carbon nanotube for efficient remediation of various aqueous pollutants. <i>Chemical Engineering Journal</i> , 2021, 426, 131801.	12.7	25
35	LiNi _{1/3} Co _{1/3} Mn _{1/3} O ₂ coated by Al ₂ O ₃ from urea homogeneous precipitation method: improved Li storage performance and mechanism exploring. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 1523-1533.	2.5	21
36	Removal of simulated radionuclide Ce(III) from aqueous solution by as-synthesized chrysotile nanotubes. <i>Chemical Engineering Journal</i> , 2012, 213, 22-30.	12.7	19

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37	Nonprecious bimetallic (Mo, Fe)-N/C nanostructures loaded on PVDF membrane for toxic CrVI reduction from water. <i>Journal of Hazardous Materials</i> , 2020, 389, 121844.	12.4	19
38	Supported Ionic-Liquid "Semi-Heterogeneous Catalyst" An Interfacial Chemical Study. <i>Journal of Physical Chemistry C</i> , 2013, 117, 7026-7038.	3.1	18
39	Nano-FeO embedded in N-doped carbon architectures for enhanced oxidation of aqueous contaminants. <i>Chemical Engineering Science</i> , 2020, 227, 115941.	3.8	17
40	Different types of MnO ₂ recovered from spent LiMn ₂ O ₄ batteries and their application in electrochemical capacitors. <i>Journal of Materials Science</i> , 2013, 48, 2512-2519.	3.7	16
41	Conformational Change of Bovine Serum Albumin Molecules at Neutral pH in Ultra-Diluted Aqueous Solutions. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12207-12214.	2.6	15
42	Spectral Inspections on Molecular Configurations of Nile Blue A Adsorbed on the Elementary Clay Sheets. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13302-13308.	2.6	15
43	Characterization and reactivity of γ -Al ₂ O ₃ supported Pd-Ni bimetallic nanocatalysts for selective hydrogenation of cyclopentadiene. <i>Chinese Chemical Letters</i> , 2015, 26, 709-713.	9.0	15
44	Mass Transfer Performance for Low SO ₂ Absorption into Aqueous γ -Bis(2-hydroxypropyl)piperazine Solution in a γ -Ring Packed Column. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4462-4468.	3.7	13
45	Magnetic Recoverable F-N Co-Doped ZnFe ₂ O ₄ /C/TiO ₂ Nanocomposites with UV-Vis Light Photocatalytic Activity. <i>Environmental Engineering Science</i> , 2018, 35, 37-45.	1.6	12
46	Pyrite-embedded porous carbon nanocatalysts assembled in polyvinylidene difluoride membrane for organic pollutant oxidation. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 2942-2954.	9.4	9
47	Hydrogen Storage Using Carbon Nanotubes. , 0, , .		3
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	Studies of the equilibrium of the adsorption of Cu(II) onto as-produced and purified carbon nanotubes. , 2010, , .		0