

Xi-Lin Wu

List of Publications by Year in descending order

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64
papers

5,277
citations

109321

35
h-index

114465

63
g-index

66
all docs

66
docs citations

66
times ranked

7501
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzyme-mimicking single-atom FeN ₄ sites for enhanced photo-Fenton-like reactions. Applied Catalysis B: Environmental, 2022, 310, 121327.	20.2	57
2	Iron-modulated nickel cobalt phosphide embedded in carbon to boost power density of hybrid sodium-air battery. Applied Catalysis B: Environmental, 2021, 285, 119786.	20.2	32
3	Molecular Engineering toward Pyrrolic N-Rich M ₄ (M = Cr, Mn, Fe, Co, Cu) Single-Atom Sites for Enhanced Heterogeneous Fenton-Like Reaction. Advanced Functional Materials, 2021, 31, 2007877.	14.9	139
4	Facile Preparation of Activated Carbon from Peanut Shell for Determination of Bisphenol A in Human Urine by High-Performance Liquid Chromatography. Journal of Nanoscience and Nanotechnology, 2021, 21, 1439-1445.	0.9	4
5	Regulating Intrinsic Electronic Structures of Transition-Metal-Based Catalysts and the Potential Applications for Electrocatalytic Water Splitting. , 2021, 3, 752-780.		62
6	Precise regulation of pyrrole-type single-atom Mn ₄ sites for superior pH-universal oxygen reduction. , 2021, 3, 856-865.		60
7	Stable and recyclable Fe ₃ C@CN catalyst supported on carbon felt for efficient activation of peroxymonosulfate. Journal of Colloid and Interface Science, 2021, 599, 219-226.	9.4	34
8	Efficient electrocatalytic water splitting by bimetallic cobalt iron boride nanoparticles with controlled electronic structure. Journal of Colloid and Interface Science, 2021, 604, 650-659.	9.4	32
9	Hollow-structured amorphous prussian blue decorated on graphitic carbon nitride for photo-assisted activation of peroxymonosulfate. Journal of Colloid and Interface Science, 2021, 603, 856-863.	9.4	23
10	Back Cover Image, Volume 3, Number 6, November 2021. , 2021, 3, ii.		0
11	Dual active sites of the Co ₂ N and single-atom Co ₄ embedded in nitrogen-rich nanocarbons: a robust electrocatalyst for oxygen reduction reactions. Nanotechnology, 2020, 31, 165401.	2.6	16
12	One-Pot and Surfactant-Free Synthesis of Ultrafine PtSn Nanoparticles Supported on Onion-Like Nanocarbons Toward Efficient Methanol and Ethylene Glycol Oxidation Reactions. Journal of Nanoscience and Nanotechnology, 2020, 20, 2408-2415.	0.9	3
13	Heteroatomic Interface Engineering of MOF-Derived Metal-Embedded P- and N-Codoped Zn Node Porous Polyhedral Carbon with Enhanced Sodium-Ion Storage. ACS Applied Energy Materials, 2020, 3, 8892-8902.	5.1	20
14	A Universal Principle to Accurately Synthesize Atomically Dispersed Metal ₄ Sites for CO ₂ Electroreduction. Nano-Micro Letters, 2020, 12, 108.	27.0	65
15	Semi-sacrificial template synthesis of single-atom Ni sites supported on hollow carbon nanospheres for efficient and stable electrochemical CO ₂ reduction. Inorganic Chemistry Frontiers, 2020, 7, 1719-1725.	6.0	31
16	Effects of molecular weight distribution of soluble microbial products (SMPs) on membrane fouling in a membrane bioreactor (MBR): Novel mechanistic insights. Chemosphere, 2020, 248, 126013.	8.2	97
17	Efficient degradation and mineralization of antibiotics via heterogeneous activation of peroxymonosulfate by using graphene supported single-atom Cu catalyst. Chemical Engineering Journal, 2020, 394, 124904.	12.7	117
18	Functionalization of carbon nanomaterials by means of phytic acid for uranium enrichment. Science of the Total Environment, 2019, 694, 133697.	8.0	36

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19	Enhanced catalytic degradation of bisphenol A by hemin-MOFs supported on boron nitride via the photo-assisted heterogeneous activation of persulfate. <i>Separation and Purification Technology</i> , 2019, 229, 115822.	7.9	68
20	Organic dye doped graphitic carbon nitride with a tailored electronic structure for enhanced photocatalytic hydrogen production. <i>Catalysis Science and Technology</i> , 2019, 9, 502-508.	4.1	45
21	Characterization of molybdenum disulfide nanomaterial and its excellent sorption abilities for two heavy metals in aqueous media. <i>Separation Science and Technology</i> , 2019, 54, 847-859.	2.5	9
22	Insight into the mechanisms for hexavalent chromium reduction and sulfisoxazole degradation catalyzed by graphitic carbon nitride: The Yin and Yang in the photo-assisted processes. <i>Chemosphere</i> , 2019, 221, 166-174.	8.2	63
23	Nitrogen Doped Nanoporous Carbon Derived from <i>Zizania Latifolia</i> for Adsorptive Removal of Bisphenol A. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 1026-1034.	0.9	4
24	Impact of key geochemical parameters on the highly efficient sequestration of Pb(II) and Cd(II) in water using g-C ₃ N ₄ nanosheets. <i>Journal of Molecular Liquids</i> , 2018, 258, 40-47.	4.9	18
25	Decontamination performance of magnetic graphene oxide towards nickel ions and its underlying mechanism investigation by XAFS. <i>Journal of Molecular Liquids</i> , 2018, 258, 48-56.	4.9	4
26	Highly efficient scavenging of P(V), Cr(VI), Re(VII) anions onto g-C ₃ N ₄ nanosheets from aqueous solutions as impacted via water chemistry. <i>Journal of Molecular Liquids</i> , 2018, 258, 275-284.	4.9	13
27	Application of biochar derived from rice straw for the removal of Th(IV) from aqueous solution. <i>Separation Science and Technology</i> , 2018, 53, 1511-1521.	2.5	6
28	Highly efficient capture of Eu(III), La(III), Nd(III), Th(IV) from aqueous solutions using g-C ₃ N ₄ nanosheets. <i>Journal of Molecular Liquids</i> , 2018, 252, 351-361.	4.9	35
29	Use of molybdenum disulfide nanosheets embellished nanoiron for effective capture of chromium (VI) ions from aqueous solution. <i>Journal of Molecular Liquids</i> , 2018, 259, 376-383.	4.9	14
30	Enhanced visible-light-driven photocatalysis from WS ₂ quantum dots coupled to BiOCl nanosheets: synergistic effect and mechanism insight. <i>Catalysis Science and Technology</i> , 2018, 8, 201-209.	4.1	95
31	New insights into bisphenols removal by nitrogen-rich nanocarbons: Synergistic effect between adsorption and oxidative degradation. <i>Journal of Hazardous Materials</i> , 2018, 345, 123-130.	12.4	93
32	Sustainable biodegradation of phenol by immobilized <i>Bacillus</i> sp. SAS19 with porous carbonaceous gels as carriers. <i>Journal of Environmental Management</i> , 2018, 222, 185-189.	7.8	68
33	Macroscopic, theoretical simulation and spectroscopic investigation on the immobilization mechanisms of Ni(II) at cryptomelane/water interfaces. <i>Chemosphere</i> , 2018, 210, 392-400.	8.2	6
34	Quantification of interfacial interactions between a rough sludge floc and membrane surface in a membrane bioreactor. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 710-718.	9.4	69
35	Quantitative evaluation of the interfacial interactions between a randomly rough sludge floc and membrane surface in a membrane bioreactor based on fractal geometry. <i>Bioresource Technology</i> , 2017, 234, 198-207.	9.6	19
36	Magnetic ZnFe ₂ O ₄ @chitosan encapsulated in graphene oxide for adsorptive removal of organic dye. <i>RSC Advances</i> , 2017, 7, 28145-28151.	3.6	22

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37	Facile large scale fabrication of magnetic carbon nano-onions for efficient removal of bisphenol A. <i>Materials Chemistry and Physics</i> , 2017, 198, 186-192.	4.0	33
38	Effect of calcium ions on fouling properties of alginate solution and its mechanisms. <i>Journal of Membrane Science</i> , 2017, 525, 320-329.	8.2	131
39	Self-templated synthesis of novel carbon nanoarchitectures for efficient electrocatalysis. <i>Scientific Reports</i> , 2016, 6, 28049.	3.3	7
40	Facile synthesis of Fe ₃ O ₄ -graphene@mesoporous SiO ₂ nanocomposites for efficient removal of Methylene Blue. <i>Applied Surface Science</i> , 2016, 378, 80-86.	6.1	88
41	Bimetallic AuPd nanoclusters supported on graphitic carbon nitride: One-pot synthesis and enhanced electrocatalysis for oxygen reduction and hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 8839-8846.	7.1	45
42	Bamboo-like carbon nanotubes derived from colloidal polymer nanoplates for efficient removal of bisphenol A. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15450-15456.	10.3	55
43	Green-assembly of three-dimensional porous graphene hydrogels for efficient removal of organic dyes. <i>Journal of Colloid and Interface Science</i> , 2016, 484, 254-262.	9.4	80
44	Membrane fouling in a membrane bioreactor: High filtration resistance of gel layer and its underlying mechanism. <i>Water Research</i> , 2016, 102, 82-89.	11.3	209
45	Morphology and Thermal Properties of Precision Polymers: The Crystallization of Butyl Branched Polyethylene and Polyphosphoesters. <i>Macromolecules</i> , 2016, 49, 1321-1330.	4.8	38
46	An ultra-sensitive electrochemical sensor for hydrazine based on AuPd nanorod alloy nanochains. <i>Electrochimica Acta</i> , 2016, 195, 68-76.	5.2	64
47	Oxygen deficient ZnO nanosheets with high visible light photocatalytic activity. <i>Nanoscale</i> , 2015, 7, 7216-7223.	5.6	190
48	Biocompatible G-Fe ₃ O ₄ /CA nanocomposites for the removal of Methylene Blue. <i>Journal of Molecular Liquids</i> , 2015, 212, 63-69.	4.9	53
49	Biomass-derived multifunctional magnetite carbon aerogel nanocomposites for recyclable sequestration of ionizable aromatic organic pollutants. <i>Chemical Engineering Journal</i> , 2014, 245, 210-216.	12.7	31
50	Synthesis of Alumina-Modified Cigarette Soot Carbon As an Adsorbent for Efficient Arsenate Removal. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 16051-16060.	3.7	40
51	Carbonaceous hydrogels and aerogels for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4852-4864.	10.3	137
52	Highly efficient removal of humic acid from aqueous solutions by Mg/Al layered double hydroxides@Fe ₃ O ₄ nanocomposites. <i>RSC Advances</i> , 2014, 4, 21802.	3.6	43
53	Biomembrane derived porous carbon film supported Au nanoparticles for highly reproducible surface-enhanced Raman scattering. <i>New Journal of Chemistry</i> , 2013, 37, 3131.	2.8	5
54	Coexistence of adsorption and coagulation processes of both arsenate and NOM from contaminated groundwater by nanocrystallined Mg/Al layered double hydroxides. <i>Water Research</i> , 2013, 47, 4159-4168.	11.3	150

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55	Biomass-Derived Sponge-like Carbonaceous Hydrogels and Aerogels for Supercapacitors. ACS Nano, 2013, 7, 3589-3597.	14.6	557
56	One-Pot Synthesis of Water-Swellable Mg-Al Layered Double Hydroxides and Graphene Oxide Nanocomposites for Efficient Removal of As(V) from Aqueous Solutions. ACS Applied Materials & Interfaces, 2013, 5, 3304-3311.	8.0	310
57	Synthesizing the Composites of Graphene Oxide-Wrapped Polyaniline Hollow Microspheres for High-Performance Supercapacitors. Science of Advanced Materials, 2013, 5, 1686-1693.	0.7	13
58	Spherical Ni(OH) ₂ nanoarchitecture grown on graphene as advanced electrochemical pseudocapacitor materials. Chemical Communications, 2012, 48, 2773.	4.1	223
59	Stable Organic-Inorganic Hybrid of Polyaniline/Zirconium Phosphate for Efficient Removal of Organic Pollutants in Water Environment. ACS Applied Materials & Interfaces, 2012, 4, 2686-2692.	8.0	144
60	One-step hydrothermal synthesis of N-doped TiO ₂ /C nanocomposites with high visible light photocatalytic activity. Nanoscale, 2012, 4, 576-584.	5.6	332
61	Terbium-based infinite coordination polymer hollow microspheres: preparation and white-light emission. Journal of Materials Chemistry, 2011, 21, 16574.	6.7	111
62	Synthesis of Magnetite/Graphene Oxide Composite and Application for Cobalt(II) Removal. Journal of Physical Chemistry C, 2011, 115, 25234-25240.	3.1	386
63	Water-dispersible magnetite-graphene-LDH composites for efficient arsenate removal. Journal of Materials Chemistry, 2011, 21, 17353.	6.7	240
64	Impact of solution chemistry conditions on the sorption behavior of Cu(II) on Lin'an montmorillonite. Desalination, 2011, 269, 84-91.	8.2	78