

Xiangjun Yang

List of Publications by Year in descending order

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56
papers

2,151
citations

172386

29
h-index

233338

45
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56
all docs

56
docs citations

56
times ranked

2486
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective Adsorption and Removal of Phosphate from Aqueous Solutions and Eutrophic Water by Fe-based MOFs of MIL-101. <i>Scientific Reports</i> , 2017, 7, 3316.	1.6	190
2	Gold coating for a high performance Li ₄ Ti ₅ O ₁₂ nanorod aggregates anode in lithium-ion batteries. <i>Journal of Power Sources</i> , 2014, 245, 624-629.	4.0	127
3	General design of hollow porous CoFe ₂ O ₄ nanocubes from metal-organic frameworks with extraordinary lithium storage. <i>Nanoscale</i> , 2014, 6, 15168-15174.	2.8	122
4	Highly efficient capture of phosphate from water via cerium-doped metal-organic frameworks. <i>Journal of Cleaner Production</i> , 2020, 265, 121782.	4.6	111
5	Hollow NiO nanotubes synthesized by bio-templates as the high performance anode materials of lithium-ion batteries. <i>Electrochimica Acta</i> , 2013, 114, 42-47.	2.6	93
6	Magnetic metal-organic framework (Fe ₃ O ₄ @ZIF-8) core-shell composite for the efficient removal of Pb(II) and Cu(II) from water. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105959.	3.3	75
7	Hollow nanotubular SiO _x templated by cellulose fibers for lithium ion batteries. <i>Electrochimica Acta</i> , 2012, 74, 271-274.	2.6	67
8	Morphology-controlled synthesis of SnO ₂ /C hollow core-shell nanoparticle aggregates with improved lithium storage. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3652.	5.2	65
9	Self-assembled hierarchical yolk-shell structured NiO@C from metal-organic frameworks with outstanding performance for lithium storage. <i>Chemical Communications</i> , 2014, 50, 9485-9488.	2.2	59
10	Tuning the morphology and adsorption capacity of Al-MIL-101 analogues with Fe ³⁺ for phosphorus removal from water. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 321-329.	5.0	59
11	Surface modification of hollow magnetic Fe ₃ O ₄ @NH ₂ -MIL-101(Fe) derived from metal-organic frameworks for enhanced selective removal of phosphates from aqueous solution. <i>Scientific Reports</i> , 2016, 6, 30651.	1.6	57
12	High-performance lanthanum-based metal-organic framework with ligand tuning of the microstructures for removal of fluoride from water. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 1762-1775.	5.0	53
13	Cerium-doped MIL-101-NH ₂ (Fe) as superior adsorbent for simultaneous capture of phosphate and As(V) from Yangzonghai coastal spring water. <i>Journal of Hazardous Materials</i> , 2022, 423, 126981.	6.5	46
14	Rh ₂ S ₃ /N-Doped Carbon Hybrids as pH-Universal Bifunctional Electrocatalysts for Energy-Saving Hydrogen Evolution. <i>Small Methods</i> , 2020, 4, 2000208.	4.6	45
15	Simultaneous separation of copper from nickel in ammoniacal solutions using supported liquid membrane containing synergistic mixture of M5640 and TRPO. <i>Chemical Engineering Research and Design</i> , 2017, 117, 460-471.	2.7	43
16	Hollow nanotubular SnO ₂ with improved lithium storage. <i>Journal of Power Sources</i> , 2012, 219, 280-284.	4.0	42
17	Simultaneous extraction and recovery of gold(I) from alkaline solutions using an environmentally benign polymer inclusion membrane with ionic liquid as the carrier. <i>Separation and Purification Technology</i> , 2019, 222, 136-144.	3.9	42
18	Morphology-controlled synthesis of cage-bell Pd@CeO ₂ structured nanoparticle aggregates as catalysts for the low-temperature oxidation of CO. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7494.	5.2	41

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19	Fe ₃ O ₄ @PDA@MnO ₂ core-shell nanocomposites for sensitive electrochemical detection of trace Pb(II) in water. <i>Journal of Electroanalytical Chemistry</i> , 2020, 864, 114065.	1.9	41
20	Hierarchical hollow Fe ₂ O ₃ @MIL-101(Fe)/C derived from metal-organic frameworks for superior sodium storage. <i>Scientific Reports</i> , 2016, 6, 25556.	1.6	40
21	Core-shell TiO ₂ microsphere with enhanced photocatalytic activity and improved lithium storage. <i>Journal of Solid State Chemistry</i> , 2013, 201, 137-143.	1.4	38
22	Hydrophobic ionic liquids as novel extractants for gold(I) recovery from alkaline cyanide solutions. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 1102-1109.	1.6	35
23	Facilitated transport of phenol through supported liquid membrane containing bis(2-ethylhexyl) sulfoxide (BESO) as the carrier. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 93, 79-86.	1.8	33
24	Arsenic pollution and its treatment in Yangzonghai lake in China: In situ remediation. <i>Ecotoxicology and Environmental Safety</i> , 2015, 122, 178-185.	2.9	32
25	Synergistic extraction of gold(I) from aurocyanide solution with the mixture of primary amine N1923 and bis(2-ethylhexyl) sulfoxide in supported liquid membrane. <i>Journal of Membrane Science</i> , 2017, 540, 174-182.	4.1	32
26	Tuning microscopic structure of Al-based metal-organic frameworks by changing organic linkers for efficient phosphorus removal. <i>Journal of Cleaner Production</i> , 2021, 292, 125998.	4.6	32
27	Efficient extraction of gold(I) from alkaline aurocyanide solution using green ionic liquid-based aqueous biphasic systems. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 176-185.	2.7	31
28	Phosphorus removal by in situ sprayed ferric chloride in Dianchi Lake: Efficiency, stability, and mechanism. <i>Chemical Engineering Research and Design</i> , 2019, 131, 320-328.	2.7	31
29	PVP-capped silver nanoparticles as catalysts for polymerization of alkylsilanes to siloxane composite microspheres. <i>Journal of Materials Chemistry</i> , 2006, 16, 3606.	6.7	30
30	A novel sandwich supported liquid membrane system for simultaneous separation of copper, nickel and cobalt in ammoniacal solution. <i>Separation and Purification Technology</i> , 2017, 173, 323-329.	3.9	28
31	Template-Free Fabrication of Hollow NiO-Carbon Hybrid Nanoparticle Aggregates with Improved Lithium Storage. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 374-381.	1.2	26
32	Modification of high-sulfur polymer using a mixture porogen and its application as advanced adsorbents for Au(III) from wastewater. <i>Journal of Molecular Liquids</i> , 2021, 328, 115437.	2.3	26
33	A Hydrothermal Synthesis of Fe ₃ O ₄ @C Hybrid Nanoparticle and Magnetic Adsorptive Performance to Remove Heavy Metal Ions in Aqueous Solution. <i>Nanoscale Research Letters</i> , 2018, 13, 178.	3.1	25
34	Environmentally benign hydrophobic deep eutectic solvents for palladium(II) extraction from hydrochloric acid solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 121, 92-100.	2.7	25
35	Extraction of Au(I) from aurocyanide solution by using a synergistic system of primary amine N1923/bis(2-ethylhexyl) sulfoxide: A mechanism study. <i>Hydrometallurgy</i> , 2016, 162, 16-24.	1.8	24
36	Solvent extraction of gold(I) from alkaline cyanide solutions by the cetylpyridinium bromide/tributylphosphate system. <i>Minerals Engineering</i> , 2009, 22, 1068-1072.	1.8	22

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37	Efficient separation of copper and nickel from ammonium chloride solutions through the antagonistic effect of TRPO on Acorga M5640. <i>Hydrometallurgy</i> , 2016, 163, 18-23.	1.8	22
38	Improved transport of gold(I) from aurocyanide solution using a green ionic liquid-based polymer inclusion membrane with in-situ electrodeposition. <i>Chemical Engineering Research and Design</i> , 2020, 153, 136-145.	2.7	21
39	Tuning the structure flexibility of metal-organic frameworks via adjusting precursor anionic species for selective removal of phosphorus. <i>Chemical Engineering Research and Design</i> , 2020, 143, 322-331.	2.7	21
40	Structure-tunable trivalent Fe-Al-based bimetallic organic frameworks for arsenic removal from contaminated water. <i>Journal of Molecular Liquids</i> , 2022, 346, 117101.	2.3	21
41	Effect of ferric chloride on phosphorus immobilization and speciation in Dianchi Lake sediments. <i>Ecotoxicology and Environmental Safety</i> , 2020, 197, 110637.	2.9	18
42	2D SnO ₂ nanorod networks templated by garlic skins for lithium ion batteries. <i>Materials Research Bulletin</i> , 2013, 48, 1518-1522.	2.7	17
43	Ionic liquid as adjuvant in an aqueous biphasic system composed of polyethylene glycol for green separation of Pd(II) from hydrochloric solution. <i>Separation and Purification Technology</i> , 2020, 246, 116898.	3.9	17
44	Outstanding performance of thiophene-based metal-organic frameworks for fluoride capture from wastewater. <i>Separation and Purification Technology</i> , 2022, 298, 121567.	3.9	15
45	Morphology-controlled synthesis of Ti ³⁺ self-doped yolk-shell structure titanium oxide with superior photocatalytic activity under visible light. <i>Journal of Solid State Chemistry</i> , 2014, 213, 98-103.	1.4	14
46	Efficient recovery of Au(III) through PVDF-based polymer inclusion membranes containing hydrophobic deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2021, 343, 117670.	2.3	14
47	A High-Performance Guanidinium-Based Aqueous Biphasic System for Green Separation of Palladium from Acid Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 1633-1643.	3.2	14
48	Equilibrium and mechanism studies of gold(I) extraction from alkaline aurocyanide solution by using fluorine-free ionic liquids. <i>Rare Metals</i> , 2021, 40, 1987-1994.	3.6	12
49	Phenol Removal from Aqueous System by Bis(2-ethylhexyl) Sulfoxide Extraction. <i>Separation Science and Technology</i> , 2014, 49, 2495-2501.	1.3	11
50	Separation of Ni ²⁺ from ammonia solution through a supported liquid membrane impregnated with Acorga M5640. <i>Chemical Papers</i> , 2017, 71, 597-606.	1.0	11
51	Facile fabrication of La/Ca bimetal-organic frameworks for economical and efficient remove phosphorus from water. <i>Journal of Molecular Liquids</i> , 2022, 356, 119024.	2.3	11
52	Solvent extraction of phenol from aqueous solution with benzyl 2-ethylhexyl sulfoxide as a novel extractant. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1787-1792.	0.9	9
53	Stripping of Au(I) from a Loaded Cetyltrimethylammonium Bromide/Tributyl Phosphate Organic Solution: Conversion and Reduction. <i>Solvent Extraction and Ion Exchange</i> , 2008, 26, 556-569.	0.8	7
54	Highly efficient and selective membrane separation of copper from nickel in ammoniacal solution using mixtures of M5640 and BESO as membrane carriers. <i>RSC Advances</i> , 2020, 10, 18860-18867.	1.7	6

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55	Commentary on "Arsenic mobility in the arsenic-contaminated Yangzonghai Lake in China" by Changliang Yang et al. [Ecotoxicology and Environmental Safety, 107(2014)321-327]. Ecotoxicology and Environmental Safety, 2015, 120, 463-467.	2.9	1
56	Improvement of the process of removing phosphorus from high-phosphorus distillery effluent by ferric chloride using response surface methodology and three-step method. Water Science and Technology, 2019, 79, 2046-2055.	1.2	1