

# Liming Yang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2490155/publications.pdf>

Version: 2024-02-01

79  
papers

5,549  
citations

76326

40  
h-index

79698

73  
g-index

79  
all docs

79  
docs citations

79  
times ranked

5413  
citing authors

#	ARTICLE	IF	CITATIONS
1	Resourceful treatment of harsh high-nitrogen rare earth element tailings (REEs) wastewater by carbonate activated Chlorococcum sp. microalgae. <i>Journal of Hazardous Materials</i> , 2022, 423, 127000.	12.4	28
2	Tuning the Sb(V) adsorption performance of La-MOFs via ligand engineering effect: Combined experiments with theoretical calculations. <i>Chemical Engineering Journal</i> , 2022, 435, 134874.	12.7	19
3	Efficient nitric oxide electroreduction toward ambient ammonia synthesis catalyzed by a CoP nanoarray. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 1366-1372.	6.0	58
4	Corrected response surface methodology for microalgae towards optimized ammonia nitrogen removal: A case of rare earth mining tailings wastewater in Southern Jiangxi, China. <i>Journal of Cleaner Production</i> , 2022, 343, 130998.	9.3	20
5	Perfluorinated conjugated microporous polymer for targeted capture of Ag(I) from contaminated water. <i>Environmental Research</i> , 2022, 211, 113007.	7.5	5
6	An all-in-one photocatalyst: Photocatalytic reduction of Cr(VI) and anchored adsorption of Cr(III) over mesoporous titanium@ sulfonated carbon hollow hemispheres. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107864.	6.7	7
7	Specific spatial transfer PdCl <sub>4</sub> <sup>2-</sup> to [X-Pd-Y] by strong coordination interaction in a 3D palladium ion-imprinted polymer with footprint cavity. <i>Chemical Engineering Journal</i> , 2021, 405, 126613.	12.7	11
8	Rationally designed conjugated microporous polymers for contaminants adsorption. <i>Science of the Total Environment</i> , 2021, 750, 141683.	8.0	45
9	Defect-rich porous carbon with anti-interference capability for adsorption of bisphenol A via long-range hydrophobic interaction synergized with short-range dispersion force. <i>Journal of Hazardous Materials</i> , 2021, 403, 123705.	12.4	66
10	Enhancing nitrate removal from wastewater by integrating heterotrophic and autotrophic denitrification coupled manganese oxidation process (IHAD-MnO): Internal carbon utilization performance. <i>Environmental Research</i> , 2021, 194, 110744.	7.5	19
11	Progress toward Hydrogels in Removing Heavy Metals from Water: Problems and Solutions—A Review. <i>ACS ES&amp;T Water</i> , 2021, 1, 1098-1116.	4.6	33
12	Hydroxypropyl amine surfactant: A novel flotation collector for efficient separation of scheelite from calcite. <i>Minerals Engineering</i> , 2021, 167, 106898.	4.3	22
13	A critical review of the recovery of rare earth elements from wastewater by algae for resources recycling technologies. <i>Resources, Conservation and Recycling</i> , 2021, 169, 105519.	10.8	54
14	Electrochemical approach toward reduced graphene oxide-based electrodes for environmental applications: A review. <i>Science of the Total Environment</i> , 2021, 778, 146301.	8.0	29
15	Electrochemical recovery and high value-added reutilization of heavy metal ions from wastewater: Recent advances and future trends. <i>Environment International</i> , 2021, 152, 106512.	10.0	81
16	Weak electric field enabling enhanced selectivity of tannic acid-graphene aerogels for Pb <sup>2+</sup> harvesting from wastewater. <i>Chemical Engineering Journal</i> , 2021, 416, 129144.	12.7	19
17	High exposure effect of the adsorption site significantly enhanced the adsorption capacity and removal rate: A case of adsorption of hexavalent chromium by quaternary ammonium polymers (QAPs). <i>Journal of Hazardous Materials</i> , 2021, 416, 125829.	12.4	36
18	Insights into ion imprinted membrane with a delayed permeation mechanism for enhancing Cd <sup>2+</sup> selective separation. <i>Journal of Hazardous Materials</i> , 2021, 416, 125772.	12.4	20

#	ARTICLE	IF	CITATIONS
19	Tandem type PRBs-like technology implanted with targeted functional materials for efficient resourceful treatment of heavy metal ions from mining wastewater. <i>Chemical Engineering Journal</i> , 2021, 420, 130506.	12.7	9
20	Conducting polymer hydrogels as a sustainable platform for advanced energy, biomedical and environmental applications. <i>Science of the Total Environment</i> , 2021, 786, 147430.	8.0	19
21	Selective removal and recovery of La(III) using a phosphonic-based ion imprinted polymer: Adsorption performance, regeneration, and mechanism. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106701.	6.7	26
22	Functionalization of UiO-66-NH <sub>2</sub> with rhodanine via amidation: Towarding a robust adsorbent with dual coordination sites for selective capture of Ag(I) from wastewater. <i>Chemical Engineering Journal</i> , 2020, 382, 123009.	12.7	55
23	Au-Cu nanoalloy/TiO <sub>2</sub> /MoS <sub>2</sub> ternary hybrid with enhanced photocatalytic hydrogen production. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153440.	5.5	29
24	Evaluating the adsorptivity of organo-functionalized silica nanoparticles towards heavy metals: Quantitative comparison and mechanistic insight. <i>Journal of Hazardous Materials</i> , 2020, 387, 121676.	12.4	111
25	Bacteria-affinity aminated carbon nanotubes bridging reduced graphene oxide for highly efficient microbial electrocatalysis. <i>Environmental Research</i> , 2020, 191, 110212.	7.5	7
26	A novel collector with wide pH adaptability and high selectivity towards flotation separation of scheelite from calcite. <i>Minerals Engineering</i> , 2020, 158, 106606.	4.3	22
27	Potential Difference Driving Electron Transfer via Defective Carbon Nanotubes toward Selective Oxidation of Organic Micropollutants. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8464-8472.	10.0	288
28	Electrodeposited graphene hybridized graphitic carbon nitride anchoring ultrafine palladium nanoparticles for remarkable methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 21483-21492.	7.1	19
29	Efficient antimony removal by self-assembled core-shell nanocomposite of Co <sub>3</sub> O <sub>4</sub> @rGO and the analysis of its adsorption mechanism. <i>Environmental Research</i> , 2020, 187, 109657.	7.5	39
30	Three-dimensional electrode interface assembled from rGO nanosheets and carbon nanotubes for highly electrocatalytic oxygen reduction. <i>Chemical Engineering Journal</i> , 2019, 378, 122127.	12.7	32
31	Lattice-Defect-Enhanced Adsorption of Arsenic on Zirconia Nanospheres: A Combined Experimental and Theoretical Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 29736-29745.	8.0	121
32	Successful isolation of a tolerant co-flocculating microalgae towards highly efficient nitrogen removal in harsh rare earth element tailings (REEs) wastewater. <i>Water Research</i> , 2019, 166, 115076.	11.3	79
33	Protonation of rhodanine polymers for enhancing the capture and recovery of Ag <sup>+</sup> from highly acidic wastewater. <i>Environmental Science: Nano</i> , 2019, 6, 3307-3315.	4.3	62
34	Tannic acid-based adsorbent with superior selectivity for lead(II) capture: Adsorption site and selective mechanism. <i>Chemical Engineering Journal</i> , 2019, 364, 160-166.	12.7	93
35	Building electrode with three-dimensional macroporous interface from biocompatible polypyrrole and conductive graphene nanosheets to achieve highly efficient microbial electrocatalysis. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111444.	10.1	81
36	Optimization of adsorption configuration by DFT calculation for design of adsorbent: A case study of palladium ion-imprinted polymers. <i>Journal of Hazardous Materials</i> , 2019, 379, 120791.	12.4	57

#	ARTICLE	IF	CITATIONS
37	One-step reductive synthesis of Ti <sup>3+</sup> self-doped elongated anatase TiO <sub>2</sub> nanowires combined with reduced graphene oxide for adsorbing and degrading waste engine oil. <i>Journal of Hazardous Materials</i> , 2019, 378, 120752.	12.4	27
38	Exceptional adsorption of arsenic by zirconium metal-organic frameworks: Engineering exploration and mechanism insight. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 223-234.	9.4	213
39	Cobalt silicate hydroxide nanosheets in hierarchical hollow architecture with maximized cobalt active site for catalytic oxidation. <i>Chemical Engineering Journal</i> , 2019, 359, 79-87.	12.7	136
40	Ultrafine palladium nanoparticles supported on 3D self-supported Ni foam for cathodic dechlorination of florfenicol. <i>Chemical Engineering Journal</i> , 2019, 359, 894-901.	12.7	136
41	Palladium ion-imprinted polymers with PHEMA polymer brushes: Role of grafting polymerization degree in anti-interference. <i>Chemical Engineering Journal</i> , 2019, 359, 176-185.	12.7	114
42	Enhanced photocatalytic activity of hierarchical titanium dioxide microspheres with combining carbon nanotubes as "e-bridge". <i>Journal of Hazardous Materials</i> , 2019, 367, 550-558.	12.4	38
43	Direct Z-scheme MoSe <sub>2</sub> decorating TiO <sub>2</sub> nanotube arrays photocatalyst for water decontamination. <i>Electrochimica Acta</i> , 2019, 298, 663-669.	5.2	71
44	Ultra-high capacity of lanthanum-doped UiO-66 for phosphate capture: Unusual doping of lanthanum by the reduction of coordination number. <i>Chemical Engineering Journal</i> , 2019, 358, 321-330.	12.7	270
45	PtRu nanoalloys loaded on graphene and TiO <sub>2</sub> nanotubes co-modified Ti wire as an active and stable methanol oxidation electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 7338-7346.	7.1	23
46	Identification and Regulation of Active Sites on Nanodiamonds: Establishing a Highly Efficient Catalytic System for Oxidation of Organic Contaminants. <i>Advanced Functional Materials</i> , 2018, 28, 1705295.	14.9	370
47	New insight on the adsorption capacity of metallogels for antimonite and antimonate removal: From experimental to theoretical study. <i>Journal of Hazardous Materials</i> , 2018, 346, 218-225.	12.4	35
48	A novel non-imprinted adsorbent with superior selectivity towards high-performance capture of Ag(I). <i>Chemical Engineering Journal</i> , 2018, 348, 224-231.	12.7	41
49	Ni <sub>5</sub> P <sub>4</sub> -NiP <sub>2</sub> nanosheet matrix enhances electron-transfer kinetics for hydrogen recovery in microbial electrolysis cells. <i>Applied Energy</i> , 2018, 209, 56-64.	10.1	39
50	Thiol-Functionalized Zr-Based Metal-Organic Framework for Capture of Hg(II) through a Proton Exchange Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8494-8502.	6.7	140
51	Mesoporous TiO <sub>2</sub> with WO <sub>3</sub> functioning as dopant and light-sensitizer: A highly efficient photocatalyst for degradation of organic compound. <i>Journal of Hazardous Materials</i> , 2018, 358, 44-52.	12.4	41
52	Au Cu alloys deposited on titanium dioxide nanosheets for efficient photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15155-15163.	7.1	19
53	Electrocatalytic dechlorination of halogenated antibiotics via synergistic effect of chlorine-cobalt bond and atomic H*. <i>Journal of Hazardous Materials</i> , 2018, 358, 294-301.	12.4	44
54	Titanium dioxide nano-heterostructure with nanoparticles decorating nanowires for high-performance photocatalysis. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 10359-10367.	7.1	18

#	ARTICLE	IF	CITATIONS
55	Hierarchical reduced graphene oxide supported dealloyed platinum-copper nanoparticles for highly efficient methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6705-6712.	7.1	36
56	Recovery of Silver from Wastewater Using a New Magnetic Photocatalytic Ion-Imprinted Polymer. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2090-2097.	6.7	70
57	Capturing Cadmium(II) Ion from Wastewater Containing Solid Particles and Floccules Using Ion-Imprinted Polymers with Broom Effect. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 2350-2358.	3.7	7
58	Silica hydrogel-mediated dissolution-recrystallization strategy for synthesis of ultrathin $\text{Fe}_2\text{O}_3$ nanosheets with highly exposed (1 1 0) facets: A superior photocatalyst for degradation of bisphenol S. <i>Chemical Engineering Journal</i> , 2017, 323, 64-73.	12.7	100
59	One-step hydrothermal fabrication of visible-light-responsive $\text{AgInS}_2/\text{SnIn}_4\text{S}_8$ heterojunction for highly-efficient photocatalytic treatment of organic pollutants and real pharmaceutical industry wastewater. <i>Applied Catalysis B: Environmental</i> , 2017, 219, 163-172.	20.2	84
60	A novel magnetic and hydrophilic ion-imprinted polymer as a selective sorbent for the removal of cobalt ions from industrial wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2268-2277.	6.7	42
61	Capturing Lithium from Wastewater Using a Fixed Bed Packed with 3-D $\text{MnO}_2$ Ion Cages. <i>Environmental Science &amp; Technology</i> , 2016, 50, 13002-13012.	10.0	102
62	An ion-imprinted polymer based on the novel functional monomer for selective removal of Ni(II) from aqueous solution. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 4776-4785.	6.7	15
63	Novel thymine-functionalized MIL-101 prepared by post-synthesis and enhanced removal of $\text{Hg}^{2+}$ from water. <i>Journal of Hazardous Materials</i> , 2016, 306, 313-322.	12.4	117
64	Facile preparation of a novel $\text{Hg}^{2+}$ -ion-imprinted polymer based on magnetic hybrids for rapid and highly selective removal of $\text{Hg}^{2+}$ from aqueous solutions. <i>RSC Advances</i> , 2016, 6, 14916-14926.	3.6	43
65	Polyaniline-Reduced Graphene Oxide Hybrid Nanosheets with Nearly Vertical Orientation Anchoring Palladium Nanoparticles for Highly Active and Stable Electrocatalysis. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 169-176.	8.0	61
66	Three-dimensional Nitrogen-Doped Reduced Graphene Oxide-Carbon Nanotubes Architecture Supporting Ultrafine Palladium Nanoparticles for Highly Efficient Methanol Electrooxidation. <i>Chemistry - A European Journal</i> , 2015, 21, 16631-16638.	3.3	32
67	Vertically oriented reduced graphene oxide supported dealloyed palladium-copper nanoparticles for methanol electrooxidation. <i>Journal of Power Sources</i> , 2015, 278, 725-732.	7.8	61
68	Recovery of Lithium from Wastewater Using Development of Li Ion-Imprinted Polymers. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 460-467.	6.7	133
69	Removal of Cadmium(II) from Wastewater Using Novel Cadmium Ion-Imprinted Polymers. <i>Journal of Chemical &amp; Engineering Data</i> , 2015, 60, 3253-3261.	1.9	66
70	Removal of Antimonite ( $\text{Sb(III)}$ ) and Antimonate ( $\text{Sb(V)}$ ) from Aqueous Solution Using Carbon Nanofibers That Are Decorated with Zirconium Oxide ( $\text{ZrO}_2$ ). <i>Environmental Science &amp; Technology</i> , 2015, 49, 11115-11124.	10.0	233
71	Ag-bridged $\text{Ag}_2\text{O}$ nanowire network/ $\text{TiO}_2$ nanotube array p-n heterojunction as a highly efficient and stable visible light photocatalyst. <i>Journal of Hazardous Materials</i> , 2015, 285, 319-324.	12.4	98
72	Magnetic ion-imprinted and -SH functionalized polymer for selective removal of $\text{Pb(II)}$ from aqueous samples. <i>Applied Surface Science</i> , 2014, 292, 438-446.	6.1	104

#	ARTICLE	IF	CITATIONS
73	Synthesis of magnetic ion-imprinted fluorescent CdTe quantum dots by chemical etching and their visualization application for selective removal of Cd(II) from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 462, 186-193.	4.7	36
74	Palladium Nanoparticles Supported on Vertically Oriented Reduced Graphene Oxide for Methanol Electro-Oxidation. <i>ChemSusChem</i> , 2014, 7, 2907-2913.	6.8	40
75	Nanocomposites of graphene oxide-hydrated zirconium oxide for simultaneous removal of As(III) and As(V) from water. <i>Chemical Engineering Journal</i> , 2013, 220, 98-106.	12.7	235
76	Novel ion-imprinted polymer using crown ether as a functional monomer for selective removal of Pb(ii) ions in real environmental water samples. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8280.	10.3	119
77	A magnetic copper(II)-imprinted polymer for the selective enrichment of trace copper(II) ions in environmental water. <i>Mikrochimica Acta</i> , 2012, 179, 283-289.	5.0	35
78	Selective Separation of Cu(II) from Aqueous Solution with a Novel Cu(II) Surface Magnetic Ion-Imprinted Polymer. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 6355-6361.	3.7	79
79	Novel Cu (II) magnetic ion imprinted materials prepared by surface imprinted technique combined with a sol-gel process. <i>Journal of Hazardous Materials</i> , 2011, 192, 949-955.	12.4	105