

Fei-Peng Jiao

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2337746/publications.pdf>

Version: 2024-02-01

68
papers

1,815
citations

304368

22
h-index

276539

41
g-index

68
all docs

68
docs citations

68
times ranked

2308
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene nanosheets as novel adsorbents in adsorption, preconcentration and removal of gases, organic compounds and metal ions. <i>Science of the Total Environment</i> , 2015, 502, 70-79.	3.9	196
2	Removal of mercury by adsorption: a review. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5056-5076.	2.7	171
3	A magnetic pH-induced textile fabric with switchable wettability for intelligent oil/water separation. <i>Chemical Engineering Journal</i> , 2018, 347, 52-63.	6.6	131
4	Reduced graphene oxide modified NiFe-calcinated layered double hydroxides for enhanced photocatalytic removal of methylene blue. <i>Applied Surface Science</i> , 2018, 434, 251-259.	3.1	102
5	A novel electrochemical sensor based on self-assembled platinum nanochains - Multi-walled carbon nanotubes-graphene nanoparticles composite for simultaneous determination of dopamine and ascorbic acid. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 167-175.	2.9	76
6	Layered double hydroxides materials for photo(electro-) catalytic applications. <i>Chemical Engineering Journal</i> , 2020, 397, 125407.	6.6	71
7	A novel electrochemical chiral interface based on the synergistic effect of polysaccharides for the recognition of tyrosine enantiomers. <i>Talanta</i> , 2019, 195, 628-637.	2.9	64
8	Removal, recovery and enrichment of metals from aqueous solutions using carbon nanotubes. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 299, 1155-1163.	0.7	62
9	A Critical Review on Black Phosphorus-Based Photocatalytic CO ₂ Reduction Application. <i>Small</i> , 2021, 17, e2102155.	5.2	60
10	Three-dimensional porous graphene oxide-maize amylopectin composites with controllable pore-sizes and good adsorption-desorption properties: Facile fabrication and reutilization, and the adsorption mechanism. <i>Ecotoxicology and Environmental Safety</i> , 2019, 176, 11-19.	2.9	58
11	Preparation of a polystyrene-based super-hydrophilic mesh and evaluation of its oil/water separation performance. <i>Journal of Membrane Science</i> , 2020, 597, 117747.	4.1	50
12	Novel high-gluten flour physically cross-linked graphene oxide composites: Hydrothermal fabrication and adsorption properties for rare earth ions. <i>Ecotoxicology and Environmental Safety</i> , 2018, 166, 1-10.	2.9	47
13	A novel and label-free biosensors for uracil-DNA glycosylase activity based on the electrochemical oxidation of guanine bases at the graphene modified electrode. <i>Talanta</i> , 2016, 147, 98-102.	2.9	44
14	The Roles and Working Mechanism of Salt-Type Additives on the Performance of High-Voltage Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16298-16307.	4.0	37
15	Activation of Peroxymonosulfate by Fe ₃ O ₄ @Cs/WO ₃ /NiAl Layered Double Hydroxide Composites for the Degradation of 2,4-Dichlorophenoxyacetic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 16308-16317.	1.8	33
16	Cracked-earth-like titanium carbide MXene membranes with abundant hydroxyl groups for oil-in-water emulsion separation. <i>Journal of Colloid and Interface Science</i> , 2022, 607, 378-388.	5.0	32
17	Highly-sensitive and selective determination of bisphenol A in milk samples based on self-assembled graphene nanoplatelets-multiwalled carbon nanotube-chitosan nanostructure. <i>Materials Science and Engineering C</i> , 2019, 103, 109848.	3.8	31
18	Integration of Microfiltration and Visible-Light-Driven Photocatalysis on a ZnWO ₄ Nanoparticle/Nickel-Aluminum-Layered Double Hydroxide Membrane for Enhanced Water Purification. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 6479-6487.	1.8	31

#	ARTICLE	IF	CITATIONS
19	Enhanced photocatalytic degradation of rhodamine B, methylene blue and 4-nitrophenol under visible light irradiation using TiO ₂ /MgZnAl layered double hydroxide. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 7002-7014.	1.1	29
20	Effect of Hydrogenation on Ring C of Flavonols on Their Affinity for Bovine Serum Albumin. <i>Journal of Solution Chemistry</i> , 2010, 39, 533-542.	0.6	27
21	Effective photocatalytic degradation of methylene blue by Cu ₂ O/MgAl layered double hydroxides. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 115, 581-596.	0.8	23
22	Preparation and characterization of magnetic Fe ₃ O ₄ @sulfonated β -cyclodextrin intercalated layered double hydroxides for methylene blue removal. <i>Desalination and Water Treatment</i> , 2016, 57, 25830-25841.	1.0	23
23	Synthesis, characterization and enhanced visible light photocatalytic activity of Bi ₂ WO ₆ /Ni-Al layered double hydroxide composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 14008-14021.	1.1	22
24	Co-SBA-15-Immobilized NDHPI as a New Composite Catalyst for Toluene Aerobic Oxidation. <i>Catalysis Letters</i> , 2017, 147, 856-864.	1.4	21
25	Highly efficient degradation of 2-chlorophenol and methylene blue with Rb _{0.27} WO ₃ /NiFe-CLDH composites under visible light irradiation. <i>Advanced Powder Technology</i> , 2018, 29, 2491-2500.	2.0	21
26	Sensitive characterization of polyphenolic antioxidants in <i>Polygonatum odoratum</i> by selective solid phase extraction and high performance liquid chromatography-diode array detector-quadrupole time-of-flight tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 112, 15-22.	1.4	20
27	Fabrication of SnWO ₄ /ZnFe-layered double hydroxide composites with enhanced photocatalytic degradation of methyl orange. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 12269-12281.	1.1	20
28	Heterogeneous co-activation of peroxymonosulfate by CuCoFe calcined layered double hydroxides and ultraviolet irradiation for the efficient removal of p-nitrophenol. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19009-19019.	1.1	19
29	In situ synthesis of monolithic molecularly imprinted stationary phases for liquid chromatographic enantioseparation of dibenzoyl tartaric acid enantiomers. <i>Journal of Porous Materials</i> , 2012, 19, 587-595.	1.3	17
30	Swelling Force in Lithium-Ion Power Batteries. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 12313-12318.	1.8	15
31	Fabrication of g-C ₃ N ₄ @NiFe-LDH heterostructured nanocomposites for highly efficient photocatalytic removal of rhodamine B. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21880-21896.	1.1	15
32	GRAPHENE AS TUNABLE STATIONARY PHASE ADDITIVE FOR ENANTIOSEPARATION. <i>Nano</i> , 2013, 08, 1350069.	0.5	14
33	Enhanced visible light photocatalytic degradation of rhodamine B by Z-scheme CuWO ₄ /g-C ₃ N ₄ heterojunction. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 2731-2743.	1.1	14
34	Extraction of Phenylalanine Enantiomers by Aqueous Two Phase Systems Containing Combinatorial Chiral Selector. <i>Chinese Journal of Chemistry</i> , 2012, 30, 965-969.	2.6	13
35	The construction of NiFeS _x /g-C ₃ N ₄ composites with high photocatalytic activity towards the degradation of refractory pollutants. <i>Dalton Transactions</i> , 2021, 50, 2436-2447.	1.6	13
36	Sustained release of naproxen in a new kind delivery system of carbon nanotubes hydrogel. <i>Iranian Journal of Pharmaceutical Research</i> , 2013, 12, 581-6.	0.3	13

#	ARTICLE	IF	CITATIONS
37	Enantioseparation of phenylsuccinic acid enantiomers based on aqueous two-phase system with ethanol/ammonium sulfate: phase diagrams optimization and partitioning experiments. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2015, 81, 475-484.	0.9	12
38	Adsorption of glutamic acid from aqueous solution with calcined layered double Mg-Fe-CO ₃ hydroxide. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 3971-3978.	1.7	11
39	Preparation of CuOx@ZnFe-LDH composites and photocatalytic degradation of 4-nitrophenol by activated persulfate. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19461-19471.	1.1	10
40	Facile fabrication of versatile superhydrophobic coating for efficient oil/water separation. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 363-372.	1.3	10
41	Biphasic recognition enantioseparation of ofloxacin enantiomers by an aqueous two-phase system. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 2234-2239.	1.6	9
42	NiFe-Layered Double Hydroxides as a Novel Hole Repository Layer for Reinforced Visible-Light Photocatalytic Activity for Degradation of Refractory Pollutants. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13834-13845.	1.8	9
43	Enantioseparation of Ofloxacin Enantiomers by Mixed Extractants in Biphasic System. <i>Separation Science and Technology</i> , 2012, 47, 1971-1976.	1.3	8
44	Enantioselective extraction of phenylsuccinic acid in aqueous two-phase systems based on acetone and β -cyclodextrin derivative: Modeling and optimization through response surface methodology. <i>Journal of Chromatography A</i> , 2016, 1467, 490-496.	1.8	8
45	Flexible Mesoporous Membranes with Revivability and Superwettability for Sustainable Oil-Water Separation. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 11645-11655.	1.8	8
46	Tannin-Based Spontaneous Adhesion Superhydrophilic Coatings for Efficient Oil-in-Water Emulsion Separation and Dye Removal. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 4418-4427.	1.8	8
47	Enantioselective Extraction of Racemic Mandelic Acid by Di(2-ethylhexyl) Phosphoric Acid and Tartaric Acid Derivatives as Mixed Complex Chiral Selectors. <i>Solvent Extraction and Ion Exchange</i> , 2009, 27, 447-458.	0.8	7
48	Enantioseparation of Phenylsuccinic Acid Enantiomers Using Aqueous Two-Phase Flotation and Their Determination by HPLC and UV Detection. <i>Chromatographia</i> , 2014, 77, 679-685.	0.7	7
49	Thermodynamic and kinetic studies of effective adsorption of 2,4,6-trichlorophenol onto calcine Mg/Al-CO ₃ layered double hydroxide. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016, 31, 1211-1218.	0.4	7
50	Fabrication of diiodocarbene functionalized oxidized multi-walled carbon nanotube and its aqueous adsorption performance toward Pb(II). <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	7
51	Co-precipitation synthesis of reusable ZnAl-CLDH/ZIF-8 heterojunction for enhanced photodegradation of organic dye. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 28051-28064.	1.1	6
52	Hollow fiber liquid-supported membrane technology for enantioseparation of racemic salbutamol by combinatorial chiral selectors. <i>Central South University</i> , 2006, 13, 39-43.	0.5	5
53	Syntheses and applications of Eu(III) complexes of 2-thienyltrifluoroacetate, terephthalic acid and phenanthroline as light conversion agents. <i>Central South University</i> , 2007, 14, 62-67.	0.5	5
54	Human plasma protein binding of water soluble flavonoids extracted from citrus peels. <i>Journal of Central South University</i> , 2014, 21, 2645-2651.	1.2	5

#	ARTICLE	IF	CITATIONS
55	Solvothermal Synthesis of Cs _{0.33} WO ₃ /LDHs Composite as a Novel Visible-Light-Driven Photocatalyst. <i>Photochemistry and Photobiology</i> , 2018, 94, 219-227.	1.3	5
56	Enantioseparation of Racemic Mixtures Based on Solvent Sublation. <i>Chirality</i> , 2012, 24, 661-667.	1.3	4
57	Improved photocatalytic activity of Bi ₂ O ₃ composites derived from a layered precursor. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 110, 529-541.	0.8	4
58	Enantioseparation of Phenylsuccinic Acid Enantiomers by Solvent Sublation with Collaborative Selectors. <i>Journal of Solution Chemistry</i> , 2017, 46, 2159-2170.	0.6	4
59	Photocatalytic fixation of nitrogen to ammonia by NiFe-LDH-derived sulfide microspheres. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 13396-13408.	1.1	4
60	Recent progress on removal of indoor air pollutants by catalytic oxidation. <i>Reviews on Environmental Health</i> , 2020, 35, 311-321.	1.1	4
61	High Resolution of Racemic Mandelic Acid through a Method of Bubble Fractionation. <i>Chinese Journal of Chemistry</i> , 2010, 28, 673-677.	2.6	3
62	Bismuth sulfide bridged Bi ₂ S ₃ /sulfuretted ZnAl-LDHs heterojunctions for synergetic enhancement of photodegradation activity towards tetracycline degradation. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 871-883.	1.1	3
63	Superhydrophobic micro/nanostructured copper mesh with self-cleaning property for effective oil/water separation. <i>Chinese Journal of Chemical Physics</i> , 2019, 32, 635-642.	0.6	2
64	Synthesis of BiOI/ZnCo-CLDH hybrid photocatalyst with highly efficient degradation of rhodamine B and tetracycline hydrochloride. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 11489-11502.	1.1	2
65	Resolution of Racemic Ofloxacin Based on Co-Technology of Bubble Fractionation and Extraction. <i>Chromatographia</i> , 2011, 73, 423-429.	0.7	1
66	Preparation of Octadecyl Bonded Silica Based on Multi-Walled Carbon Nanotubes for the Preconcentration and Determination of Three Parabens in Environmental Water. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 12223-12230.	0.9	1
67	Evaluation of Sulfonic Cellulose Membranes on Oil-Water Separation: Performance and Modeling of Flux. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 13013-13022.	1.8	1
68	Fast and Reliable Method for Evaluation of Charging Rate Avoiding Li Deposition. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 5161-5166.	1.8	0