Fei-Peng Jiao

List of Publications by Year
in descending order

68	1,815	304368 22	276539 41
papers	citations	h-index	g-index

68	68	68	2308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cracked-earth-like titanium carbide MXene membranes with abundant hydroxyl groups for oil-in-water emulsion separation. Journal of Colloid and Interface Science, 2022, 607, 378-388.	5.0	32
2	Bismuth sulfide bridged Bi2S3/sulfuretted ZnAl-LDHs heterojunctions for synergetic enhancement of photodegradation activity towards tetracycline degradation. Journal of Materials Science: Materials in Electronics, 2022, 33, 871-883.	1.1	3
3	Tannin-Based Spontaneous Adhesion Superhydrophilic Coatings for Efficient Oil-in-Water Emulsion Separation and Dye Removal. Industrial & Engineering Chemistry Research, 2022, 61, 4418-4427.	1.8	8
4	Facile fabrication of versatile superhydrophobic coating for efficient oil/water separation. Journal of Dispersion Science and Technology, 2021, 42, 363-372.	1.3	10
5	Enhanced visible light photocatalytic degradation of rhodamine B by Z-scheme CuWO4/g-C3N4 heterojunction. Journal of Materials Science: Materials in Electronics, 2021, 32, 2731-2743.	1.1	14
6	The construction of NiFeS_x/g-C₃N₄ composites with high photocatalytic activity towards the degradation of refractory pollutants. Dalton Transactions, 2021, 50, 2436-2447.	1.6	13
7	Photocatalytic fixation of nitrogen to ammonia by NiFe-LDH-derived sulfide microspheres. Journal of Materials Science: Materials in Electronics, 2021, 32, 13396-13408.	1.1	4
8	Synthesis of BiOI/ZnCo-CLDH hybrid photocatalyst with highly efficient degradation of rhodamine B and tetracycline hydrochloride. Journal of Materials Science: Materials in Electronics, 2021, 32, 11489-11502.	1.1	2
9	Fast and Reliable Method for Evaluation of Charging Rate Avoiding Li Deposition. Industrial & Engineering Chemistry Research, 2021, 60, 5161-5166.	1.8	0
10	A Critical Review on Black Phosphorusâ€Based Photocatalytic CO₂ Reduction Application. Small, 2021, 17, e2102155.	5.2	60
11	Evaluation of Sulfonic Cellulose Membranes on Oilâ€“Water Separation: Performance and Modeling of Flux. Industrial & Engineering Chemistry Research, 2021, 60, 13013-13022.	1.8	1
12	Fabrication of g-C3N4@NiFe-LDH heterostructured nanocomposites for highly efficient photocatalytic removal of rhodamine B. Journal of Materials Science: Materials in Electronics, 2021, 32, 21880-21896.	1.1	15
13	NiFe-Layered Double Hydroxides as a Novel Hole Repository Layer for Reinforced Visible-Light Photocatalytic Activity for Degradation of Refractory Pollutants. Industrial & Engineering Chemistry Research, 2021, 60, 13834-13845.	1.8	9
14	Co-precipitation synthesis of reusable ZnAl-CLDH/ZIF-8 heterojunction for enhanced photodegradation of organic dye. Journal of Materials Science: Materials in Electronics, 2021, 32, 28051-28064.	1.1	6
15	Preparation of a polystyrene-based super-hydrophilic mesh and evaluation of its oil/water separation performance. Journal of Membrane Science, 2020, 597, 117747.	4.1	50
16	Layered double hydroxides materials for photo(electro-) catalytic applications. Chemical Engineering Journal, 2020, 397, 125407.	6.6	71
17	Flexible Mesoporous Membranes with Revivability and Superwettability for Sustainable Oilâ€“Water Separation. Industrial & Engineering Chemistry Research, 2020, 59, 11645-11655.	1.8	8
18	The Roles and Working Mechanism of Salt-Type Additives on the Performance of High-Voltage Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2020, 12, 16298-16307.	4.0	37

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19	Integration of Microfiltration and Visible-Light-Driven Photocatalysis on a ZnWO₄ Nanoparticle/Nickelâ€“Aluminum-Layered Double Hydroxide Membrane for Enhanced Water Purification. Industrial & Engineering Chemistry Research, 2020, 59, 6479-6487.	1.8	31
20	Swelling Force in Lithium-Ion Power Batteries. Industrial & Engineering Chemistry Research, 2020, 59, 12313-12318.	1.8	15
21	Fabrication of SnWO4/ZnFe-layered double hydroxide composites with enhanced photocatalytic degradation of methyl orange. Journal of Materials Science: Materials in Electronics, 2020, 31, 12269-12281.	1.1	20
22	Recent progress on removal of indoor air pollutants by catalytic oxidation. Reviews on Environmental Health, 2020, 35, 311-321.	1.1	4
23	Heterogeneous co-activation of peroxymonosulfate by CuCoFe calcined layered double hydroxides and ultraviolet irradiation for the efficient removal of p-nitrophenol. Journal of Materials Science: Materials in Electronics, 2019, 30, 19009-19019.	1.1	19
24	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. Ecotoxicology and Environmental Safety, 2019, 172, 167-175.	2.9	76
25	Highly-sensitive and selective determination of bisphenol A in milk samples based on self-assembled graphene nanoplatelets-multiwalled carbon nanotube-chitosan nanostructure. Materials Science and Engineering C, 2019, 103, 109848.	3.8	31
26	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. Ecotoxicology and Environmental Safety, 2019, 176, 11-19.	2.9	58
27	Superhydrophobic micro/nanostructured copper mesh with self-cleaning property for effective oil/water separation. Chinese Journal of Chemical Physics, 2019, 32, 635-642.	0.6	2
28	A novel electrochemical chiral interface based on the synergistic effect of polysaccharides for the recognition of tyrosine enantiomers. Talanta, 2019, 195, 628-637.	2.9	64
29	A magnetic pH-induced textile fabric with switchable wettability for intelligent oil/water separation. Chemical Engineering Journal, 2018, 347, 52-63.	6.6	131
30	Enhanced photocatalytic degradation of rhodamine B, methylene blue and 4-nitrophenol under visible light irradiation using TiO2/MgZnAl layered double hydroxide. Journal of Materials Science: Materials in Electronics, 2018, 29, 7002-7014.	1.1	29
31	Reduced graphene oxide modified NiFe-calcinated layered double hydroxides for enhanced photocatalytic removal of methylene blue. Applied Surface Science, 2018, 434, 251-259.	3.1	102
32	Solvothermal Synthesis of Cs_{0.33}WO₃/LDHs Composite as a Novel Visibleâ€Lightâ€Driven Photocatalyst. Photochemistry and Photobiology, 2018, 94, 219-227.	1.3	5
33	Activation of Peroxymonosulfate by Fe₃O₄â€“Cs_xWO₃/NiAl Layered Double Hydroxide Composites for the Degradation of 2,4-Dichlorophenoxyacetic Acid. Industrial & Engineering Chemistry Research, 2018, 57, 16308-16317.	1.8	33
34	Preparation of CuOx@ZnFe-LDH composites and photocatalytic degradation of 4-nitrophenol by activated persulfate. Journal of Materials Science: Materials in Electronics, 2018, 29, 19461-19471.	1.1	10
35	Novel high-gluten flour physically cross-linked graphene oxide composites: Hydrothermal fabrication and adsorption properties for rare earth ions. Ecotoxicology and Environmental Safety, 2018, 166, 1-10.	2.9	47
36	Synthesis, characterization and enhanced visible light photocatalytic activity of Bi2WO6/Niâ€“Al layered double hydroxide composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 14008-14021.	1.1	22

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37	Highly efficient degradation of 2-chlorophenol and methylene blue with Rb 0.27 WO 3 /NiFe-CLDH composites under visible light irradiation. Advanced Powder Technology, 2018, 29, 2491-2500.	2.0	21
38	Co-SBA-15-Immobilized NDHPI as a New Composite Catalyst for Toluene Aerobic Oxidation. Catalysis Letters, 2017, 147, 856-864.	1.4	21
39	Fabrication of diiodocarbene functionalized oxidized multi-walled carbon nanotube and its aqueous adsorption performance toward Pb(II). Environmental Earth Sciences, 2017, 76, 1.	1.3	7
40	Enantioseparation of Phenylsuccinic Acid Enantiomers by Solvent Sublation with Collaborative Selectors. Journal of Solution Chemistry, 2017, 46, 2159-2170.	0.6	4
41	Enantioselective extraction of phenylsuccinic acid in aqueous two-phase systems based on acetone and Î² -cyclodextrin derivative: Modeling and optimization through response surface methodology. Journal of Chromatography A, 2016, 1467, 490-496.	1.8	8
42	Thermodynamic and kinetic studies of effective adsorption of 2,4,6-trichlorophenol onto calcine Mg/Al-CO3 layered double hydroxide. Journal Wuhan University of Technology, Materials Science Edition, 2016, 31, 1211-1218.	0.4	7
43	Preparation of Octadecyl Bonded Silica Based on Multi-Walled Carbon Nanotubes for the Preconcentration and Determination of Three Parabens in Environmental Water. Journal of Nanoscience and Nanotechnology, 2016, 16, 12223-12230.	0.9	1
44	Preparation and characterization of magnetic Fe₃O₄@sulfonated Î²-cyclodextrin intercalated layered double hydroxides for methylene blue removal. Desalination and Water Treatment, 2016, 57, 25830-25841.	1.0	23
45	Removal of mercury by adsorption: a review. Environmental Science and Pollution Research, 2016, 23, 5056-5076.	2.7	171
46	A novel and label-free biosensors for uracil-DNA glycosylase activity based on the electrochemical oxidation of guanine bases at the graphene modified electrode. Talanta, 2016, 147, 98-102.	2.9	44
47	Biphasic recognition enantioseparation of ofloxacin enantiomers by an aqueous two-phase system. Journal of Chemical Technology and Biotechnology, 2015, 90, 2234-2239.	1.6	9
48	Enantioseparation of phenylsuccinic acid enantiomers based on aqueous two-phase system with ethanol/ammonium sulfate: phase diagrams optimization and partitioning experiments. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2015, 81, 475-484.	0.9	12
49	Effective photocatalytic degradation of methylene blue by Cu2O/MgAl layered double hydroxides. Reaction Kinetics, Mechanisms and Catalysis, 2015, 115, 581-596.	0.8	23
50	Sensitive characterization of polyphenolic antioxidants in Polygonatum odoratum by selective solid phase extraction and high performance liquid chromatographyâ€“diode array detectorâ€“quadrupole time-of-flight tandem mass spectrometry. Journal of Pharmaceutical and Biomedical Analysis, 2015, 112, 15-22.	1.4	20
51	Graphene nanosheets as novel adsorbents in adsorption, preconcentration and removal of gases, organic compounds and metal ions. Science of the Total Environment, 2015, 502, 70-79.	3.9	196
52	Adsorption of glutamic acid from aqueous solution with calcined layered double Mgâ€“Feâ€“CO3 hydroxide. Transactions of Nonferrous Metals Society of China, 2014, 24, 3971-3978.	1.7	11
53	Removal, recovery and enrichment of metals from aqueous solutions using carbon nanotubes. Journal of Radioanalytical and Nuclear Chemistry, 2014, 299, 1155-1163.	0.7	62
54	Human plasma protein binding of water soluble flavonoids extracted from citrus peels. Journal of Central South University, 2014, 21, 2645-2651.	1.2	5

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55	Enantioseparation of Phenylsuccinic Acid Enantiomers Using Aqueous Two-Phase Flotation and Their Determination by HPLC and UV Detection. Chromatographia, 2014, 77, 679-685.	0.7	7
56	Improved photocatalytic activity of Bi2O3 composites derived from a layered precursor. Reaction Kinetics, Mechanisms and Catalysis, 2013, 110, 529-541.	0.8	4
57	GRAPHENE AS TUNABLE STATIONARY PHASE ADDITIVE FOR ENANTIOSEPARATION. Nano, 2013, 08, 1350069.	0.5	14
58	Sustained release of naproxen in a new kind delivery system of carbon nanotubes hydrogel. Iranian Journal of Pharmaceutical Research, 2013, 12, 581-6.	0.3	13
59	Enantioseparation of Ofloxacin Enantiomers by Mixed Extractants in Biphasic System. Separation Science and Technology, 2012, 47, 1971-1976.	1.3	8
60	In situ synthesis of monolithic molecularly imprinted stationary phases for liquid chromatographic enantioseparation of dibenzoyl tartaric acid enantiomers. Journal of Porous Materials, 2012, 19, 587-595.	1.3	17
61	Enantioseparation of Racemic Mixtures Based on Solvent Sublation. Chirality, 2012, 24, 661-667.	1.3	4
62	Extraction of Phenylalanine Enantiomers by Aqueous Two Phase Systems Containing Combinatorial Chiral Selector. Chinese Journal of Chemistry, 2012, 30, 965-969.	2.6	13
63	Resolution of Racemic Ofloxacin Based on Co-Technology of Bubble Fractionation and Extraction. Chromatographia, 2011, 73, 423-429.	0.7	1
64	Effect of Hydrogenation on Ring C of Flavonols onÂTheirÂAffinity for Bovine Serum Albumin. Journal of Solution Chemistry, 2010, 39, 533-542.	0.6	27
65	High Resolution of Racemic Mandelic Acid through a Method of Bubble Fractionation. Chinese Journal of Chemistry, 2010, 28, 673-677.	2.6	3
66	Enantioselective Extraction of Racemic Mandelic Acid by Di(2â€ethylhexyl) Phosphoric Acid and Tartaric Acid Derivatives as Mixed Complex Chiral Selectors. Solvent Extraction and Ion Exchange, 2009, 27, 447-458.	0.8	7
67	Syntheses and applications of Eu(III) complexes of 2-thienyltrifluoroacetonate, terephthalic acid and phenanthroline as light conversion agents. Central South University, 2007, 14, 62-67.	0.5	5
68	Hollow fiber liquid-supported membrane technology for enantioseparation of racemic salbutamol by combinatorial chiral selectors. Central South University, 2006, 13, 39-43.	0.5	5