

Zhan Li

List of Publications by Year in descending order

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52
papers

1,799
citations

218677

26
h-index

265206

42
g-index

52
all docs

52
docs citations

52
times ranked

1954
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Adsorption of Rare Earth Elements by Zn-BDC MOF/Graphene Oxide Nanocomposites Synthesized via In Situ Interlayer-Confined Strategy. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 1841-1849.	3.7	19
2	2D vertical heterostructure membranes for lanthanide separation. <i>Cell Reports Physical Science</i> , 2022, 3, 100769.	5.6	5
3	Nitrogen-doped nanoporous graphene induced by a multiple confinement strategy for membrane separation of rare earth. <i>IScience</i> , 2021, 24, 101920.	4.1	24
4	A Nanoporous Graphene/Nitrocellulose Membrane Beneficial to Wound Healing. <i>ACS Applied Bio Materials</i> , 2021, 4, 4522-4531.	4.6	9
5	Solid membranes for chiral separation: A review. <i>Chemical Engineering Journal</i> , 2021, 410, 128247.	12.7	65
6	From regular arrays of liquid metal nano-islands to single crystalline biatomic-layer gallium film: Molecular dynamics and first principle study. <i>Journal of Applied Physics</i> , 2021, 130, 124304.	2.5	0
7	One-step synthesis of annual ring-shaped planar nitrogen/sulfur co-doped nanoporous graphene for supercapacitance. <i>Electrochimica Acta</i> , 2021, 394, 139137.	5.2	11
8	Highly Selective Separation of Rare Earth Elements by Zn-BTC Metal-Organic Framework/Nanoporous Graphene via In Situ Green Synthesis. <i>Analytical Chemistry</i> , 2021, 93, 1732-1739.	6.5	47
9	Metal-Organic Framework-Intercalated Graphene Oxide Membranes for Selective Separation of Uranium. <i>Analytical Chemistry</i> , 2021, 93, 16175-16183.	6.5	31
10	Recent progress and prospects of alkaline phosphatase biosensor based on fluorescence strategy. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111811.	10.1	119
11	Two copolymer-grafted silica stationary phases prepared by surface thiol-ene click reaction in deep eutectic solvents for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2020, 1609, 460446.	3.7	24
12	Imidazolium ionic liquids-derived carbon dots-modified silica stationary phase for hydrophilic interaction chromatography. <i>Talanta</i> , 2020, 209, 120518.	5.5	43
13	Magnetic solid-phase extraction of triazole fungicides based on magnetic porous carbon prepared by combustion combined with solvothermal method. <i>Analytica Chimica Acta</i> , 2020, 1129, 85-97.	5.4	42
14	Construction of Position-Controllable Graphene Bubbles in Liquid Nitrogen with Assistance of Low-Power Laser. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 56260-56268.	8.0	10
15	Preparation of Vortex Porous Graphene Chiral Membrane for Enantioselective Separation. <i>Analytical Chemistry</i> , 2020, 92, 13630-13633.	6.5	41
16	Small-Scale Nanoparticles Pyrolyzed from Layered Hydrotalcite between Graphene Interlayers as Intermediates for Self-Assembly into Metal Oxide Nanosheets and Hollow Nanospheres. <i>ChemNanoMat</i> , 2020, 6, 1270-1275.	2.8	6
17	Preparation and evaluation of bisector bonded-type multifunctional chiral stationary phase based on dialdehyde cellulose and β -monodeoxy- β -monoamino- β -cyclodextrine derivatives. <i>Chirality</i> , 2020, 32, 2.6 387-399.	2.6	5
18	Chiral Fluorescent Silicon Nanoparticles for Aminopropanol Enantiomer: Fluorescence Discrimination and Mechanism Identification. <i>Analytical Chemistry</i> , 2020, 92, 3949-3957.	6.5	41

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19	A new strategy for the preparation of mixed-mode chromatographic stationary phases based on modified dialdehyde cellulose. <i>Journal of Chromatography A</i> , 2020, 1618, 460885.	3.7	28
20	Glucose-based carbon dots-modified silica stationary phase for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2020, 1619, 460930.	3.7	30
21	Porous graphene-coated stainless-steel fiber for direct immersion solid-phase microextraction of polycyclic aromatic hydrocarbons. <i>Analytical Methods</i> , 2019, 11, 213-218.	2.7	29
22	Porous graphene synthesized by partial combustion for high-performance supercapacitors. <i>Materials Letters</i> , 2019, 252, 345-348.	2.6	10
23	Combustion fabrication of magnetic porous carbon as a novel magnetic solid-phase extraction adsorbent for the determination of non-steroidal anti-inflammatory drugs. <i>Analytica Chimica Acta</i> , 2019, 1078, 78-89.	5.4	68
24	Effective extraction of flavonoids from <i>Lycium barbarum</i> L. fruits by deep eutectic solvents-based ultrasound-assisted extraction. <i>Talanta</i> , 2019, 203, 16-22.	5.5	156
25	Discriminative Detection of Glutathione in Cell Lysates Based on Oxidase-Like Activity of Magnetic Nanoporous Graphene. <i>Analytical Chemistry</i> , 2019, 91, 5004-5010.	6.5	64
26	Enhanced photocatalytic degradation of methyl orange by porous graphene/ZnO nanocomposite. <i>Environmental Pollution</i> , 2019, 249, 801-811.	7.5	106
27	Polyethyleneimine-functionalized carbon dots and their precursor co-immobilized on silica for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2019, 1597, 142-148.	3.7	55
28	Influence of nanopore density on ethylene/acetylene separation by monolayer graphene. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6126-6132.	2.8	15
29	Porous graphene decorated silica as a new stationary phase for separation of sulfanilamide compounds in hydrophilic interaction chromatography. <i>Chinese Chemical Letters</i> , 2019, 30, 863-866.	9.0	63
30	Sorption behavior of thorium(IV) onto activated bentonite. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 301-312.	1.5	23
31	Collisions of noble gas atoms with graphene and a graphene nanodome. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6515-6523.	2.8	3
32	Three-dimensional nanopores on monolayer graphene for hydrogen storage. <i>Materials Chemistry and Physics</i> , 2018, 209, 134-145.	4.0	6
33	Highly sensitive and visual detection of guanosine 3'-diphosphate-5'-di(tri)phosphate (ppGpp) in bacteria based on copper ions-mediated 4-mercaptobenzoic acid modified gold nanoparticles. <i>Analytica Chimica Acta</i> , 2018, 1023, 89-95.	5.4	18
34	Asymmetrical hemisphere nanopores on monolayer graphene for gas permeation. <i>Journal of Materials Science</i> , 2018, 53, 1962-1977.	3.7	3
35	Combustion Fabrication of Nanoporous Graphene for Ionic Separation Membranes. <i>Advanced Functional Materials</i> , 2018, 28, 1805026.	14.9	62
36	Preparation and characterization of carbon dot-decorated silica stationary phase in deep eutectic solvents for hydrophilic interaction chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 2401-2410.	3.7	57

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37	Octadecylimidazolium ionic liquid-modified magnetic materials: Preparation, adsorption evaluation and their excellent application for honey and cinnamon. <i>Food Chemistry</i> , 2017, 229, 208-214.	8.2	42
38	Graphene Oxide/Ag Nanoparticles Cooperated with Simvastatin as a High Sensitive X-ray Computed Tomography Imaging Agent for Diagnosis of Renal Dysfunctions. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700413.	7.6	29
39	Surface radical chain-transfer reaction in deep eutectic solvents for preparation of silica-grafted stationary phases in hydrophilic interaction chromatography. <i>Talanta</i> , 2017, 175, 256-263.	5.5	33
40	Curing the Toxicity of Multi-Walled Carbon Nanotubes through Native Small-molecule Drugs. <i>Scientific Reports</i> , 2017, 7, 2815.	3.3	19
41	A new route for synthesis of N-methylimidazolium-grafted silica stationary phase and reevaluation in hydrophilic interaction liquid chromatography. <i>Talanta</i> , 2017, 164, 137-140.	5.5	13
42	Deep eutectic solvent-based liquid-phase microextraction for detection of plant growth regulators in edible vegetable oils. <i>Analytical Methods</i> , 2016, 8, 3511-3516.	2.7	49
43	Selective Separation of Metal Ions via Monolayer Nanoporous Graphene with Carboxyl Groups. <i>Analytical Chemistry</i> , 2016, 88, 10002-10010.	6.5	45
44	The Potential Application of Raw Cadmium Sulfide Nanoparticles as CT Photographic Developer. <i>Nanoscale Research Letters</i> , 2016, 11, 232.	5.7	15
45	A new nano-on-micro stationary phase based on nanodiamond bonded on silica for hydrophilic interaction chromatography. <i>RSC Advances</i> , 2016, 6, 32757-32760.	3.6	25
46	In Vivo Biodistribution and Toxicity of Highly Soluble PEG-Coated Boron Nitride in Mice. <i>Nanoscale Research Letters</i> , 2015, 10, 478.	5.7	16
47	Damaging Effects of Multi-walled Carbon Nanotubes on Pregnant Mice with Different Pregnancy Times. <i>Scientific Reports</i> , 2015, 4, 4352.	3.3	72
48	Fluorescent nanoparticles from starch: Facile preparation, tunable luminescence and bioimaging. <i>Carbohydrate Polymers</i> , 2015, 121, 49-55.	10.2	62
49	An embryo of protocells: The capsule of graphene with selective ion channels. <i>Scientific Reports</i> , 2015, 5, 10258.	3.3	11
50	The Changes of Absorption and Catalytic Capacity on Reduced Graphene Oxide After Electron Beam Irradiation. <i>Nano</i> , 2015, 10, 1550041.	1.0	3
51	A novel urea-functionalized surface-confined octadecylimidazolium ionic liquid silica stationary phase for reversed-phase liquid chromatography. <i>Journal of Chromatography A</i> , 2014, 1365, 148-155.	3.7	27
52	One-Step Synthesis of Annual Ring-Shaped Planar Nitrogen/Sulfur Co-Doped Nanoporous Graphene for Supercapacitance. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0