Xiaofeng Lu

List of Publications by Year
in descending order

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40	682	430874	610901
papers	citations	18 h-index	24 g-index

40	40	40	615
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation of hydrogel nanocomposite functionalized silica microspheres and its application in mixed-mode liquid chromatography. Journal of Chromatography A, 2022, 1662, 462745.	3.7	16
2	Metal-organic framework-based core-shell composites for chromatographic stationary phases. TrAC - Trends in Analytical Chemistry, 2022, 149, 116545.	11.4	12
3	Core-shell MOFs-based composites of defect-functionalized for mixed-mode chromatographic separation. Journal of Chromatography A, 2022, 1671, 463011.	3.7	5
4	Rational construction of a novel probe for the rapid detection of butyrylcholinesterase stress changes in apoptotic cells. New Journal of Chemistry, 2022, 46, 12034-12040.	2.8	4
5	The Synthesis and Catalytic Applications of Nanosized Highâ€Entropy Alloys. ChemCatChem, 2021, 13, 806-817.	3.7	21
6	A new strategy for the preparation of core-shell MOF/Polymer composite material as the mixed-mode stationary phase for hydrophilic interaction/ reversed-phase chromatography. Analytica Chimica Acta, 2021, 1143, 181-188.	5.4	22
7	2D metal-organic framework nanosheets-assembled core-shell composite material as stationary phase for hydrophilic interaction liquid chromatography. Talanta, 2021, 222, 121603.	5.5	18
8	Design and evaluation of novel MOFâ€“polymer coreâ€“shell composite as mixed-mode stationary phase for high performance liquid chromatography. Mikrochimica Acta, 2021, 188, 76.	5.0	12
9	Magnetic mesoporous carbon nanosheets derived from two-dimensional bimetallic metal-organic frameworks for magnetic solid-phase extraction of nitroimidazole antibiotics. Journal of Chromatography A, 2021, 1645, 462074.	3.7	35
10	A novel approach for the preparation of core-shell MOF/polymer composites as mixed-mode stationary phase. Talanta, 2021, 232, 122459.	5.5	11
11	Non-conjugated flexible network for the functional design of silica-based stationary phase for mixed-mode liquid chromatography. Talanta, 2021, 233, 122548.	5.5	10
12	Fabrication of two-dimensional metalâ€“organic framework nanosheets/PDA composites as mixed-mode stationary phase for chromatographic separation. Mikrochimica Acta, 2021, 188, 360.	5.0	4
13	An alternative strategy to construct uniform MOFs-Grafted silica core-shell composites as mixed-mode stationary phase for chromatography separation. Analytica Chimica Acta, 2021, 1183, 338942.	5.4	9
14	Synthesis and application of smart gel material modified silica microspheres for pH-responsive hydrophilicity in liquid chromatography. Analyst, The, 2021, 146, 6262-6269.	3.5	5
15	Mesoporous nanomaterial-assisted hydrogel double network composite for mixed-mode liquid chromatography. Mikrochimica Acta, 2021, 188, 433.	5.0	10
16	Hydrogel Coating with Temperature Response Retention Behavior and Its Application in Selective Separation of Liquid Chromatography. Analytical Chemistry, 2021, 93, 16017-16024.	6.5	23
17	Coreâ€“Shell Metalâ€–Organic Frameworks as the Stationary Phase for Hydrophilic Interaction Liquid Chromatography. ACS Applied Nano Materials, 2020, 3, 351-356.	5.0	26
18	Bioaccumulation investigation of bisphenol A in HepG2 cells and zebrafishes enabled by cobalt magnetic polystyrene microsphere derived carbon based magnetic solid-phase extraction. Analyst, The, 2020, 145, 1433-1444.	3.5	3

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19	Near-Infrared Fluorescence Probe for Evaluating Acetylcholinesterase Activity in PC12 Cells and In Situ Tracing AChE Distribution in Zebrafish. ACS Sensors, 2020, 5, 83-92.	7.8	49
20	A novel process for the preparation of Cys-Si-NIPAM as a stationary phase of hydrophilic interaction liquid chromatography (HILIC). Talanta, 2020, 218, 121154.	5.5	9
21	Rational design of a near-infrared fluorescence probe for highly selective sensing butyrylcholinesterase (BChE) and its bioimaging applications in living cell. Talanta, 2020, 219, 121278.	5.5	19
22	An alternative approach for the preparation of a coreâ€“shell bimetallic central metalâ€“organic framework as a hydrophilic interaction liquid chromatography stationary phase. Analyst, The, 2020, 145, 3851-3856.	3.5	10
23	l-cysteine and 5-norbornene-2-carboxylic acid decorated mesoporous silica spheres as liquid chromatographic material. Microporous and Mesoporous Materials, 2020, 299, 110102.	4.4	4
24	Preparation of magnetic carbonized polyaniline nanotube and its adsorption behaviors of xanthene colorants in beverage and fish samples. Journal of Chromatography A, 2019, 1605, 460369.	3.7	9
25	Iron-based metalâ€“organic framework as an effective sorbent for the rapid and efficient removal of illegal dyes. New Journal of Chemistry, 2019, 43, 15351-15358.	2.8	44
26	Synthesis of magnetic metalâ€“organic framework composites, Fe₃O₄-NH₂@MOF-235, for the magnetic solid-phase extraction of benzoylurea insecticides from honey, fruit juice and tap water samples. New Journal of Chemistry, 2019, 43, 12563-12569.	2.8	34
27	Unusual Hypochlorous Acid (HClO) Recognition Mechanism Based on Chlorineâ€“Oxygen Bond (Clâ^'O) Formation. Chemistry - A European Journal, 2019, 25, 7168-7176.	3.3	23
28	Î²â€Cyclodextrinâ€modified threeâ€dimensional graphene oxideâ€wrapped melamine foam for the solidâ€phase extraction of flavonoids. Journal of Separation Science, 2018, 41, 2207-2213.	2.5	22
29	Graphene oxide reinforced ionic liquid-functionalized adsorbent for solid-phase extraction of phenolic acids. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2018, 1072, 123-129.	2.3	26
30	A weaker donor shows higher oxidation state upon aggregation. RSC Advances, 2018, 8, 17321-17324.	3.6	3
31	Naked-eye and ratiometric fluorescence probe for fast and sensitive detection of hydrogen sulfide and its application in bioimaging. New Journal of Chemistry, 2018, 42, 19272-19278.	2.8	14
32	A porous polyaniline nanotube sorbent for solid-phase extraction of the fluorescent reaction product of reactive oxygen species in cells, and its determination by HPLC. Mikrochimica Acta, 2018, 185, 468.	5.0	11
33	Zirconium(IV)â€based metalâ€“organic frameworks (UiOâ€67) as solidâ€phase extraction adsorbents for extraction of phenoxyacetic acid herbicides from vegetables. Journal of Separation Science, 2018, 41, 4149-4158.	2.5	37
34	Preparation and application of guanidyl-functionalized graphene oxide-grafted silica for efficient extraction of acidic herbicides by Box-Behnken design. Journal of Chromatography A, 2018, 1571, 65-75.	3.7	23
35	Aryl-fused tetrathianaphthalene (TTN): synthesis, structures, properties, and cocrystals with fullerenes. RSC Advances, 2016, 6, 79978-79986.	3.6	7
36	Honeycomb supramolecular frameworks of organicâ€“inorganic hybrid cluster composed of cation radical and Keggin-type polyoxometalate. CrystEngComm, 2015, 17, 4110-4116.	2.6	18

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37	Inclusion complexes of fullerenes with flexible tetrathiafulvalene derivatives bearing four aryls through sulfur bridges. Journal of Materials Chemistry C, 2014, 2, 8071-8076.	5.5	12
38	Decorating Tetrathiafulvalene (TTF) with Fluorinated Phenyls through Sulfur Bridges: Facile Synthesis, Properties, and Aggregation through Fluorine Interactions. Chemistry - A European Journal, 2014, 20, 9650-9656.	3.3	16
39	Molecular and Crystal Structure Diversity, and Physical Properties of Tetrathiafulvalene Derivatives Substituted with Various Aryl Groups through Sulfur Bridges. Chemistry - A European Journal, 2013, 19, 12517-12525.	3.3	23
40	Straightforward access to aryl-substituted/fused 1,3-dithiole-2-chalcogenones by Cu-catalyzed Câ€“S coupling between aryl iodides and zincâ€“thiolate complex (TBA)2[Zn(DMIT)2]. RSC Advances, 2013, 3, 10193.	3.6	23