

# Xiaofeng Lu

## List of Publications by Year in descending order

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40  
papers

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citations

430874

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40  
docs citations

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times ranked

615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-Infrared Fluorescence Probe for Evaluating Acetylcholinesterase Activity in PC12 Cells and In Situ Tracing AChE Distribution in Zebrafish. <i>ACS Sensors</i> , 2020, 5, 83-92.	7.8	49
2	Iron-based metal-organic framework as an effective sorbent for the rapid and efficient removal of illegal dyes. <i>New Journal of Chemistry</i> , 2019, 43, 15351-15358.	2.8	44
3	Zirconium(IV)-based metal-organic frameworks (UiO-67) as solid-phase extraction adsorbents for extraction of phenoxyacetic acid herbicides from vegetables. <i>Journal of Separation Science</i> , 2018, 41, 4149-4158.	2.5	37
4	Magnetic mesoporous carbon nanosheets derived from two-dimensional bimetallic metal-organic frameworks for magnetic solid-phase extraction of nitroimidazole antibiotics. <i>Journal of Chromatography A</i> , 2021, 1645, 462074.	3.7	35
5	Synthesis of magnetic metal-organic framework composites, Fe <sub>3</sub> O <sub>4</sub> -NH <sub>2</sub> @MOF-235, for the magnetic solid-phase extraction of benzoylurea insecticides from honey, fruit juice and tap water samples. <i>New Journal of Chemistry</i> , 2019, 43, 12563-12569.	2.8	34
6	Graphene oxide reinforced ionic liquid-functionalized adsorbent for solid-phase extraction of phenolic acids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1072, 123-129.	2.3	26
7	Core-Shell Metal-Organic Frameworks as the Stationary Phase for Hydrophilic Interaction Liquid Chromatography. <i>ACS Applied Nano Materials</i> , 2020, 3, 351-356.	5.0	26
8	Molecular and Crystal Structure Diversity, and Physical Properties of Tetrathiafulvalene Derivatives Substituted with Various Aryl Groups through Sulfur Bridges. <i>Chemistry - A European Journal</i> , 2013, 19, 12517-12525.	3.3	23
9	Straightforward access to aryl-substituted/fused 1,3-dithiole-2-chalcogenones by Cu-catalyzed C-S coupling between aryl iodides and zinc-thiolate complex (TBA) <sub>2</sub> [Zn(DMIT) <sub>2</sub> ]. <i>RSC Advances</i> , 2013, 3, 10193.	3.6	23
10	Preparation and application of guanidyl-functionalized graphene oxide-grafted silica for efficient extraction of acidic herbicides by Box-Behnken design. <i>Journal of Chromatography A</i> , 2018, 1571, 65-75.	3.7	23
11	Unusual Hypochlorous Acid (HClO) Recognition Mechanism Based on Chlorine-Oxygen Bond (Cl <sup>+</sup> O) Formation. <i>Chemistry - A European Journal</i> , 2019, 25, 7168-7176.	3.3	23
12	Hydrogel Coating with Temperature Response Retention Behavior and Its Application in Selective Separation of Liquid Chromatography. <i>Analytical Chemistry</i> , 2021, 93, 16017-16024.	6.5	23
13	β-Cyclodextrin-modified three-dimensional graphene oxide-wrapped melamine foam for the solid-phase extraction of flavonoids. <i>Journal of Separation Science</i> , 2018, 41, 2207-2213.	2.5	22
14	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. <i>Analytica Chimica Acta</i> , 2021, 1143, 181-188.	5.4	22
15	The Synthesis and Catalytic Applications of Nanosized High-Entropy Alloys. <i>ChemCatChem</i> , 2021, 13, 806-817.	3.7	21
16	Rational design of a near-infrared fluorescence probe for highly selective sensing butyrylcholinesterase (BChE) and its bioimaging applications in living cell. <i>Talanta</i> , 2020, 219, 121278.	5.5	19
17	Honeycomb supramolecular frameworks of organic-inorganic hybrid cluster composed of cation radical and Keggin-type polyoxometalate. <i>CrystEngComm</i> , 2015, 17, 4110-4116.	2.6	18
18	2D metal-organic framework nanosheets-assembled core-shell composite material as stationary phase for hydrophilic interaction liquid chromatography. <i>Talanta</i> , 2021, 222, 121603.	5.5	18

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19	Decorating Tetrathiafulvalene (TTF) with Fluorinated Phenyls through Sulfur Bridges: Facile Synthesis, Properties, and Aggregation through Fluorine Interactions. <i>Chemistry - A European Journal</i> , 2014, 20, 9650-9656.	3.3	16
20	Preparation of hydrogel nanocomposite functionalized silica microspheres and its application in mixed-mode liquid chromatography. <i>Journal of Chromatography A</i> , 2022, 1662, 462745.	3.7	16
21	Naked-eye and ratiometric fluorescence probe for fast and sensitive detection of hydrogen sulfide and its application in bioimaging. <i>New Journal of Chemistry</i> , 2018, 42, 19272-19278.	2.8	14
22	Inclusion complexes of fullerenes with flexible tetrathiafulvalene derivatives bearing four aryls through sulfur bridges. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8071-8076.	5.5	12
23	Design and evaluation of novel MOF-polymer core-shell composite as mixed-mode stationary phase for high performance liquid chromatography. <i>Mikrochimica Acta</i> , 2021, 188, 76.	5.0	12
24	Metal-organic framework-based core-shell composites for chromatographic stationary phases. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 149, 116545.	11.4	12
25	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. <i>Mikrochimica Acta</i> , 2018, 185, 468.	5.0	11
26	A novel approach for the preparation of core-shell MOF/polymer composites as mixed-mode stationary phase. <i>Talanta</i> , 2021, 232, 122459.	5.5	11
27	An alternative approach for the preparation of a core-shell bimetallic central metal-organic framework as a hydrophilic interaction liquid chromatography stationary phase. <i>Analyst, The</i> , 2020, 145, 3851-3856.	3.5	10
28	Non-conjugated flexible network for the functional design of silica-based stationary phase for mixed-mode liquid chromatography. <i>Talanta</i> , 2021, 233, 122548.	5.5	10
29	Mesoporous nanomaterial-assisted hydrogel double network composite for mixed-mode liquid chromatography. <i>Mikrochimica Acta</i> , 2021, 188, 433.	5.0	10
30	Preparation of magnetic carbonized polyaniline nanotube and its adsorption behaviors of xanthene colorants in beverage and fish samples. <i>Journal of Chromatography A</i> , 2019, 1605, 460369.	3.7	9
31	A novel process for the preparation of Cys-Si-NIPAM as a stationary phase of hydrophilic interaction liquid chromatography (HILIC). <i>Talanta</i> , 2020, 218, 121154.	5.5	9
32	An alternative strategy to construct uniform MOFs-Grafted silica core-shell composites as mixed-mode stationary phase for chromatography separation. <i>Analytica Chimica Acta</i> , 2021, 1183, 338942.	5.4	9
33	Aryl-fused tetrathianaphthalene (TTN): synthesis, structures, properties, and cocrystals with fullerenes. <i>RSC Advances</i> , 2016, 6, 79978-79986.	3.6	7
34	Synthesis and application of smart gel material modified silica microspheres for pH-responsive hydrophilicity in liquid chromatography. <i>Analyst, The</i> , 2021, 146, 6262-6269.	3.5	5
35	Core-shell MOFs-based composites of defect-functionalized for mixed-mode chromatographic separation. <i>Journal of Chromatography A</i> , 2022, 1671, 463011.	3.7	5
36	Fabrication of two-dimensional metal-organic framework nanosheets/PDA composites as mixed-mode stationary phase for chromatographic separation. <i>Mikrochimica Acta</i> , 2021, 188, 360.	5.0	4

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37	l-cysteine and 5-norbornene-2-carboxylic acid decorated mesoporous silica spheres as liquid chromatographic material. <i>Microporous and Mesoporous Materials</i> , 2020, 299, 110102.	4.4	4
38	Rational construction of a novel probe for the rapid detection of butyrylcholinesterase stress changes in apoptotic cells. <i>New Journal of Chemistry</i> , 2022, 46, 12034-12040.	2.8	4
39	A weaker donor shows higher oxidation state upon aggregation. <i>RSC Advances</i> , 2018, 8, 17321-17324.	3.6	3
40	Bioaccumulation investigation of bisphenol A in HepG2 cells and zebrafishes enabled by cobalt magnetic polystyrene microsphere derived carbon based magnetic solid-phase extraction. <i>Analyst</i> , The, 2020, 145, 1433-1444.	3.5	3