

Xiao-Yu Xu

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,809
citations

516215

16
h-index

794141

19
g-index

19
all docs

19
docs citations

19
times ranked

2117
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective Delivery of the CRISPR/Cas9 System Enabled by Functionalized Mesoporous Silica Nanoparticles for GFP-Tagged Paxillin Knock-in. <i>Advanced Therapeutics</i> , 2021, 4, 2000072.	1.6	20
2	Functionalization of Metal-Organic Frameworks for Photoactive Materials. <i>Advanced Materials</i> , 2018, 30, e1705634.	11.1	133
3	A fluorescent wearable platform for sweat Cl ⁻ analysis and logic smart-device fabrication based on color adjustable lanthanide MOFs. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1863-1869.	2.7	71
4	Wearable glove sensor for non-invasive organophosphorus pesticide detection based on a double-signal fluorescence strategy. <i>Nanoscale</i> , 2018, 10, 13722-13729.	2.8	71
5	Improved biphasic calcium phosphate combined with periodontal ligament stem cells may serve as a promising method for periodontal regeneration. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 4030-4041.	0.0	12
6	Intelligent Molecular Searcher from Logic Computing Network Based on Eu(III) Functionalized UMOFs for Environmental Monitoring. <i>Advanced Functional Materials</i> , 2017, 27, 1700247.	7.8	105
7	Novel multi-component photofunctional nanohybrids for ratio-dependent oxygen sensing. <i>Journal of Colloid and Interface Science</i> , 2017, 502, 8-15.	5.0	16
8	Eu ³⁺ functionalized Sc-MOFs: Turn-on fluorescent switch for ppb-level biomarker of plastic pollutant polystyrene in serum and urine and on-site detection by smartphone. <i>Biosensors and Bioelectronics</i> , 2017, 97, 299-304.	5.3	82
9	Eu(III)-functionalized ZnO@MOF heterostructures: integration of pre-concentration and efficient charge transfer for the fabrication of a ppb-level sensing platform for volatile aldehyde gases in vehicles. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2215-2223.	5.2	109
10	A Luminescent 3d-4f-4d MOF Nanoprobe as a Diagnosis Platform for Human Occupational Exposure to Vinyl Chloride Carcinogen. <i>Inorganic Chemistry</i> , 2017, 56, 11176-11183.	1.9	49
11	Highly sensing probe for biological metabolite of benzene series pollutants based on recyclable Eu ³⁺ functionalized metal-organic frameworks hybrids. <i>Sensors and Actuators B: Chemical</i> , 2017, 253, 852-859.	4.0	43
12	A Double-Stimuli-Responsive Fluorescent Center for Monitoring of Food Spoilage based on Dye Covalently Modified EuMOFs: From Sensory Hydrogels to Logic Devices. <i>Advanced Materials</i> , 2017, 29, 1702298.	11.1	214
13	Selective detection and controlled release of Aspirin over fluorescent amino-functionalized metal-organic framework in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2016, 230, 463-469.	4.0	43
14	Nanoscale LnMOF-functionalized nonwoven fibers protected by a polydimethylsiloxane coating layer as a highly sensitive ratiometric oxygen sensor. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8514-8521.	2.7	58
15	Fabrication and application of a ratiometric and colorimetric fluorescent probe for Hg ²⁺ based on dual-emissive metal-organic framework hybrids with carbon dots and Eu ³⁺ . <i>Journal of Materials Chemistry C</i> , 2016, 4, 1543-1549.	2.7	161
16	An efficient and sensitive fluorescent pH sensor based on amino functional metal-organic frameworks in aqueous environment. <i>Dalton Transactions</i> , 2016, 45, 7078-7084.	1.6	80
17	Eu(III) functionalized Zr-based metal-organic framework as excellent fluorescent probe for Cd ²⁺ detection in aqueous environment. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 347-353.	4.0	108
18	Eu(III)-Functionalized MIL-124 as Fluorescent Probe for Highly Selectively Sensing Ions and Organic Small Molecules Especially for Fe(III) and Fe(II). <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 721-729.	4.0	396

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19	Intercalation of lanthanide cations to a layer-like metal-organic framework for color tunable white light emission. Dalton Transactions, 2015, 44, 1178-1185.	1.6	38