

Fengniu Lu

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

865
citations

471061

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676716

22
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24
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docs citations

24
times ranked

1195
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective Colorimetric Detection of Hydrogen Sulfide Based on Primary Amine-Active Ester Cross-Linking of Gold Nanoparticles. <i>Analytical Chemistry</i> , 2015, 87, 7267-7273.	3.2	105
2	Fluorescent Gold Nanocluster-Based Sensor Array for Nitrophenol Isomer Discrimination via an Integration of Host-Guest Interaction and Inner Filter Effect. <i>Analytical Chemistry</i> , 2018, 90, 12846-12853.	3.2	97
3	A Guide to Design Functional Molecular Liquids with Tailorable Properties using Pyrene-Fluorescence as a Probe. <i>Scientific Reports</i> , 2017, 7, 3416.	1.6	62
4	Self-Assembled and Nonassembled Alkylated-Fullerene Materials. <i>Accounts of Chemical Research</i> , 2019, 52, 1834-1843.	7.6	62
5	A highly selective and sensitive ratiometric chemodosimeter for Hg ²⁺ ions based on an iridium(III) complex via thioacetal deprotection reaction. <i>Dalton Transactions</i> , 2013, 42, 12093.	1.6	58
6	Silver nanoclusters as fluorescent nanosensors for selective and sensitive nitrite detection. <i>Analytical Methods</i> , 2016, 8, 2628-2633.	1.3	58
7	Supercooling of functional alkyl-molecular liquids. <i>Chemical Science</i> , 2018, 9, 6774-6778.	3.7	56
8	Solvent-Free Luminous Molecular Liquids. <i>Advanced Optical Materials</i> , 2019, 7, 1900176.	3.6	49
9	Highly fluorescent polyethyleneimine protected Au ₈ nanoclusters: One-pot synthesis and application in hemoglobin detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 291, 170-176.	4.0	39
10	Alkyl-engineering in state control toward versatile optoelectronic soft materials. <i>Science and Technology of Advanced Materials</i> , 2015, 16, 014805.	2.8	37
11	A Eu ³⁺ -inspired fluorescent carbon nanodot probe for the sensitive visualization of anthrax biomarker by integrating EDTA chelation. <i>Talanta</i> , 2020, 208, 120368.	2.9	34
12	A highly selective and sensitive turn-on chemodosimeter for hypochlorous acid based on an iridium(III) complex and its application to bioimaging. <i>Dalton Transactions</i> , 2014, 43, 9529.	1.6	33
13	Fluorescent sensor array for separation-free dopamine analogue discrimination via polyethyleneimine-mediated self-polymerization reaction. <i>Nanoscale</i> , 2019, 11, 12889-12897.	2.8	33
14	Viscoelastic change of block copolymer ion gels in a photo-switchable azobenzene ionic liquid triggered by light. <i>Chemical Communications</i> , 2019, 55, 1710-1713.	2.2	26
15	Luminescence tuning with excellent colour homogeneity and steadiness using fluorescent molecular liquids. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2577-2582.	2.7	22
16	Colorimetric alkaline phosphatase activity detection by integrating phosphorylation-mediated sulfhydryl protection/deprotection and fluorosurfactant stabilized gold nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2020, 325, 128959.	4.0	22
17	11-Mercaptoundecanoic acid capped gold nanoclusters with unusual aggregation-enhanced emission for selective fluorometric hydrogen sulfide determination. <i>Mikrochimica Acta</i> , 2020, 187, 200.	2.5	20
18	Luminescent biscyclometalated iridium(III) complex for selective and switchable Cu ²⁺ ion binding in aqueous media. <i>Tetrahedron Letters</i> , 2013, 54, 779-782.	0.7	15

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19	Experimental and theoretical investigation of fluorescence solvatochromism of dialkoxyphenyl-pyrene molecules. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3258-3264.	1.3	13
20	Recent Progress of Near-Infrared Persistent Phosphors in Bio-related and Emerging Applications. <i>Chemistry - an Asian Journal</i> , 2021, 16, 1041-1048.	1.7	12
21	Posttreatment Technique for SN2 Alkylation of Aromatics with Alkyl Halides: Aiming toward Large-Scale Synthesis of Building Blocks for Soft π -Molecular Materials. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 1258-1263.	2.0	5
22	Gold Nanocluster-Encapsulated Hyperbranched Polyethyleneimine for Selective and Ratiometric Dopamine Analyses by Enhanced Self-Polymerization. <i>Frontiers in Chemistry</i> , 0, 10, .	1.8	4
23	A novel vapor-phase catalytic synthetic approach for industrial production of 1,1,1,3,3,3-hexafluoroisopropyl methylether. <i>Applied Catalysis A: General</i> , 2020, 594, 117416.	2.2	3
24	Vapor-phase catalytic methylation of 1,1,1,3,3,3-hexafluoroisopropanol for the mass production of 1,1,1,3,3,3-hexafluoroisopropyl methyl ether. <i>Journal of Fluorine Chemistry</i> , 2021, 241, 109673.	0.9	0