

Fluorescence detection and removal of copper from water using a biodegradable 2D soft material

Chemical Communications

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Dual signal amplification strategy for high-sensitivity detection of copper species in bio-samples with a tunable dynamic range. <i>Chemical Communications</i> , 2018, 54, 2542-2545.	4.1	11
2	Novel chemosensor for ultrasensitive dual-channel detection of Cu ²⁺ and its application in IMPLICATION logic gate. <i>Journal of Luminescence</i> , 2018, 202, 225-231.	3.1	12
3	Crystal structure, luminescent sensing and photocatalytic activity of a multifunctional hydrazone-based zinc(II) coordination polymer. <i>Transition Metal Chemistry</i> , 2018, 43, 673-681.	1.4	16
4	Crumpled graphene balls as rapid and efficient adsorbents for removal of copper ions. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 46-51.	9.4	26
5	Oligo(ethylene glycol)-Functionalized Squaraine Fluorophore as a Near-Infrared-Fluorescent Probe for the In Vivo Detection of Diagnostic Enzymes. <i>Analytical Chemistry</i> , 2018, 90, 9359-9365.	6.5	35
6	“Cellulose Spacer” Strategy: Anti-Aggregation-Caused Quenching Membrane for Mercury Ion Detection and Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 15182-15189.	6.7	25
7	A highly selective fluorescent probe for real-time imaging of bacterial NAT2 and high-throughput screening of natural inhibitors for tuberculosis therapy. <i>Materials Chemistry Frontiers</i> , 2019, 3, 145-150.	5.9	5
8	Clustering-Triggered Emission of Carboxymethylated Nanocellulose. <i>Frontiers in Chemistry</i> , 2019, 7, 447.	3.6	55
9	Hierarchically structured microgels of SPIONs, nanofibers, and alginate for copper ion removal. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 77, 303-308.	5.8	6
10	A practical graphitic carbon nitride (g-C ₃ N ₄) based fluorescence sensor for the competitive detection of trithiocyanuric acid and mercury ions. <i>Dyes and Pigments</i> , 2019, 170, 107476.	3.7	28
11	Fluorescence-sensitive adsorbent based on cellulose using for mercury detection and removal from aqueous solution with selective “on-off” response. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 1185-1192.	7.5	36
12	Rational Design of a Long-Wavelength Fluorescent Probe for Highly Selective Sensing of Carboxylesterase 1 in Living Systems. <i>Analytical Chemistry</i> , 2019, 91, 5638-5645.	6.5	49
13	Rapid removal of copper ions from aqueous media by hollow polymer nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 568, 345-355.	4.7	12
14	Multifunctional negatively-charged poly (ether sulfone) nanofibrous membrane for water remediation. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 648-659.	9.4	33
15	A two-photon ratiometric fluorescent probe for imaging and quantitative analysis of botanic glucosyltransferase: A key enzyme for the biosynthesis of bioactive glycosides. <i>Sensors and Actuators B: Chemical</i> , 2019, 282, 112-121.	7.8	11
16	Dual-emission carbon dots-stabilized copper nanoclusters for ratiometric and visual detection of CrO ₇ ²⁻ ions and Cd ²⁺ ions. <i>Journal of Hazardous Materials</i> , 2020, 386, 121654.	12.4	44
17	Promoting mercury removal from desulfurization slurry via S-doped carbon nitride/graphene oxide 3D hierarchical framework. <i>Separation and Purification Technology</i> , 2020, 239, 116515.	7.9	35
18	Recent advances in cellulose-based membranes for their sensing applications. <i>Cellulose</i> , 2020, 27, 9157-9179.	4.9	56

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19	Cellulose-based sensors for metal ions detection. Cellulose, 2020, 27, 5477-5507.	4.9	31
20	Fluorescent Poly(vinyl alcohol) Films Containing Chlorogenic Acid Carbon Nanodots for Food Monitoring. ACS Applied Nano Materials, 2020, 3, 7611-7620.	5.0	23
21	Reviewâ€”Nanocomposite-Based Sensors for Voltammetric Detection of Hazardous Phenolic Pollutants in Water. Journal of the Electrochemical Society, 2020, 167, 037568.	2.9	39
22	Electrochemical Deposition of Copper on Epitaxial Graphene. Applied Sciences (Switzerland), 2020, 10, 1405.	2.5	14
23	Fluorescent sensing film decorated with ratiometric probe for visual and recyclable monitoring of Cu ²⁺ . Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 249, 119217.	3.9	8
24	Ratiometric fluorescence imaging of Cu ²⁺ based on spirolactamized benzothiazole-substituted N,N-diethylrhodol probe. Journal of Molecular Structure, 2021, 1226, 129360.	3.6	8
25	A multi-responsive pyranone based Schiff base for the selective, sensitive and competent recognition of copper metal ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 249, 119221.	3.9	26
26	Mesoscopic engineering materials for visual detection and selective removal of copper ions from drinking and waste water sources. Journal of Hazardous Materials, 2021, 406, 124314.	12.4	47
27	Fluorescent 4-amino-1,8-naphthalimide TrÃ¶gerâ€™s bases possessing conjugated 4-amino-1,8-naphthalimide moieties and their potential fullerenes Host-Guest complexes. Results in Chemistry, 2021, 3, 100128.	2.0	5
28	Fluorescent 4-amino-1,8-naphthalimide TrÃ¶ger's bases (TBNaps) possessing (orthogonal) â€”-amino acidsâ€™, esters and di-peptides and their solvent dependent photophysical properties. Organic and Biomolecular Chemistry, 2021, 19, 6817-6833.	2.8	6
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34	Recent studies on cellulose-based fluorescent smart materials and their applications: A comprehensive review. Carbohydrate Polymers, 2021, 267, 118135.	10.2	74
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36	Cellulose mediated conjugated polymer nanoparticles with enhanced fluorescence efficiency for bioimaging. Chinese Journal of Analytical Chemistry, 2022, 50, 32-37.	1.7	2
37	Real-Time Fluorescent Determination and Biological Imaging in Living Models via a Butyrylcholinesterase-Activated Fluorescent Probe. SSRN Electronic Journal, 0, , .	0.4	0

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38	Effect of Cu ²⁺ on the optical properties of zinc hydroxy-carbonate phosphors prepared in different synthesis conditions. <i>Chemical Papers</i> , 0, , 1.	2.2	0
39	Development of lab-on-chip biosensor for the detection of toxic heavy metals: A review. <i>Chemosphere</i> , 2022, 299, 134427.	8.2	23
41	Real-time fluorescent determination and biological imaging in living models via a butyrylcholinesterase-activated fluorescent probe. <i>Dyes and Pigments</i> , 2022, 206, 110596.	3.7	9
42	Simultaneous biodetection and bioremediation of Cu ²⁺ from industrial wastewater by bacterial cell surface display system. <i>International Biodeterioration and Biodegradation</i> , 2022, 173, 105467.	3.9	6
43	Fluorescent solvent-free cellulose ionic complex towards thermostable luminescent coating material. <i>Dyes and Pigments</i> , 2022, 206, 110611.	3.7	2
44	Poly(AA-co-NVIm-co-AAm) sensor hydrogels for the simultaneous visual detection and removal of Cu ²⁺ ions from aqueous media. <i>Polymer Bulletin</i> , 2023, 80, 10099-10124.	3.3	2
45	Ratiometric luminescent sensing of a biomarker for sugar consumption in an aqueous medium using a Cu($\text{Cu}(\text{Cu})$) coordination polymer. <i>Dalton Transactions</i> , 2023, 52, 3643-3660.	3.3	8
46	Valorised polypropylene waste based reversible sensor for copper ion detection in blood and water. <i>Environmental Research</i> , 2023, 228, 115928.	7.5	4
47	Rhodamine 6G derivative for the selective copper detection and remediation using nanoporous diatomaceous earth-engineered functional receptor. <i>Heliyon</i> , 2023, 9, e16600.	3.2	4
48	Copper biosorption by <i>Bacillus pumilus</i> OQ931870 and <i>Bacillus subtilis</i> OQ931871 isolated from Wadi Nakheil, Red Sea, Egypt. <i>Microbial Cell Factories</i> , 2023, 22, .	4.0	3
49	Synthesis of hydrogen bonded copper(II) coordination polymer: Photocatalytic degradation of Rose Bengal dye and luminescent sensing of Hg ²⁺ , CrO ₇ ²⁻ , and nitrofurantoin. <i>Polyhedron</i> , 2023, 244, 116605.	2.2	1
50	Current trends in the detection and removal of heavy metal ions using functional materials. <i>Chemical Society Reviews</i> , 2023, 52, 5827-5860.	38.1	15
51	Shedding light on the use of graphene oxide-thiosemicarbazone hybrids towards the rapid immobilisation of methylene blue and functional coumarins. <i>Nanoscale Advances</i> , 2024, 6, 2287-2305.	4.6	0
52	Green composite colorimetric and "Turn-on" fluorescent material for the detection of Al ³⁺ ion in blood serum and herbal tea. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2024, 451, 115539.	3.9	0
53	Nanocellulose-based functional materials for physical, chemical, and biological sensing: A review of materials, properties, and perspectives. <i>Industrial Crops and Products</i> , 2024, 212, 118326.	5.2	0