

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

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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.	2.2	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.	1.5	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.	0.7	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.	5.0	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.	3.2	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.	3.2	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.	3.2	5
8	Clustering-Triggered Emission of Carboxymethylated Nanocellulose. <i>Frontiers in Chemistry</i> , 2019, 7, 447.	1.8	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.	2.9	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.	2.0	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.	3.6	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.	3.2	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.	2.3	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.	5.0	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.	4.0	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.	6.5	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.	3.9	35
18	Recent advances in cellulose-based membranes for their sensing applications. <i>Cellulose</i> , 2020, 27, 9157-9179.	2.4	56

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19	Cellulose-based sensors for metal ions detection. <i>Cellulose</i> , 2020, 27, 5477-5507.	2.4	31
20	Fluorescent Poly(vinyl alcohol) Films Containing Chlorogenic Acid Carbon Nanodots for Food Monitoring. <i>ACS Applied Nano Materials</i> , 2020, 3, 7611-7620.	2.4	23
21	Review of Nanocomposite-Based Sensors for Voltammetric Detection of Hazardous Phenolic Pollutants in Water. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037568.	1.3	39
22	Electrochemical Deposition of Copper on Epitaxial Graphene. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1405.	1.3	14
23	Fluorescent sensing film decorated with ratiometric probe for visual and recyclable monitoring of Cu ²⁺ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119217.	2.0	8
24	Ratiometric fluorescence imaging of Cu ²⁺ based on spirolactamized benzothiazole-substituted N,N-diethylrhodol probe. <i>Journal of Molecular Structure</i> , 2021, 1226, 129360.	1.8	8
25	A multi-responsive pyranone based Schiff base for the selective, sensitive and competent recognition of copper metal ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 249, 119221.	2.0	26
26	Mesoscopic engineering materials for visual detection and selective removal of copper ions from drinking and waste water sources. <i>Journal of Hazardous Materials</i> , 2021, 406, 124314.	6.5	47
27	Fluorescent 4-amino-1,8-naphthalimide Tröger's bases possessing conjugated 4-amino-1,8-naphthalimide moieties and their potential fullerenes Host-Guest complexes. <i>Results in Chemistry</i> , 2021, 3, 100128.	0.9	5
28	Fluorescent 4-amino-1,8-naphthalimide Tröger's bases (TBNaps) possessing (orthogonal) α -amino acids, esters and di-peptides and their solvent dependent photophysical properties. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6817-6833.	1.5	6
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30	Peptide-driven bio-assisted removal of metal oxide nanoparticles from an aqueous suspension: A novel strategy for water remediation. <i>Journal of Cleaner Production</i> , 2021, 285, 124852.	4.6	2
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33	In vivo imaging via a red-emitting fluorescent probe to diagnosing liver cancer or drug-induced liver disease. <i>Analytica Chimica Acta</i> , 2021, 1168, 338621.	2.6	13
34	Recent studies on cellulose-based fluorescent smart materials and their applications: A comprehensive review. <i>Carbohydrate Polymers</i> , 2021, 267, 118135.	5.1	74
35	A novel fluoros effect induced fluorescence sensor for Cu(II) detection in the organic phase with high sensitivity. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5361-5370.	3.2	4
36	Cellulose mediated conjugated polymer nanoparticles with enhanced fluorescence efficiency for bioimaging. <i>Chinese Journal of Analytical Chemistry</i> , 2022, 50, 32-37.	0.9	2
37	Real-Time Fluorescent Determination and Biological Imaging in Living Models via a Butyrylcholinesterase-Activated Fluorescent Probe. <i>SSRN Electronic Journal</i> , 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.	1.0	0
39	Development of lab-on-chip biosensor for the detection of toxic heavy metals: A review. <i>Chemosphere</i> , 2022, 299, 134427.	4.2	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.	2.0	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.	1.9	6
43	Fluorescent solvent-free cellulose ionic complex towards thermostable luminescent coating material. <i>Dyes and Pigments</i> , 2022, 206, 110611.	2.0	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.	1.7	2
45	Ratiometric luminescent sensing of a biomarker for sugar consumption in an aqueous medium using a Cu(<i>scp</i>) coordination polymer. <i>Dalton Transactions</i> , 2023, 52, 3643-3660.	1.6	8
46	Valorised polypropylene waste based reversible sensor for copper ion detection in blood and water. <i>Environmental Research</i> , 2023, 228, 115928.	3.7	4
50	Current trends in the detection and removal of heavy metal ions using functional materials. <i>Chemical Society Reviews</i> , 2023, 52, 5827-5860.	18.7	15