

Sirinan Kulchat

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

579
citations

623734

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794
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#	ARTICLE	IF	CITATIONS
1	The synthesis of nitrogen and sulfur co-doped graphene quantum dots for fluorescence detection of cobalt(Co^{2+}) ions in water. <i>Materials Chemistry Frontiers</i> , 2020, 4, 507-516.	5.9	77
2	Synthesis, photophysical properties, and cyanide detection in aqueous solution of BF ₂ -curcumin dyes. <i>Tetrahedron</i> , 2010, 66, 6217-6223.	1.9	64
3	A new formaldehyde sensor from silver nanoclusters modified Tollens's reagent. <i>Food Chemistry</i> , 2018, 255, 41-48.	8.2	45
4	Kinetic Selectivity and Thermodynamic Features of Competitive Imine Formation in Dynamic Covalent Chemistry. <i>Chemistry - A European Journal</i> , 2017, 23, 11108-11118.	3.3	43
5	A fluorescent sensor based on thioglycolic acid capped cadmium sulfide quantum dots for the determination of dopamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 196, 7-15.	3.9	40
6	Composite guar gum-silver nanoparticle hydrogels as self-healing, injectable, and antibacterial biomaterials. <i>Materials Today Communications</i> , 2020, 24, 100992.	1.9	38
7	Smartphone-Based NFC Potentiostat for Wireless Electrochemical Sensing. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 392.	2.5	38
8	Organocatalysis of $\text{C}=\text{N}/\text{C}=\text{N}$ and $\text{C}=\text{C}/\text{C}=\text{N}$ Exchange in Dynamic Covalent Chemistry. <i>Helvetica Chimica Acta</i> , 2012, 95, 2635-2651.	1.6	33
9	Colorimetric detection of Hg(II) by γ -aminobutyric acid-silver nanoparticles in water and the assessment of antibacterial activities. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119433.	3.9	29
10	Dynamic Covalent Chemistry of Nucleophilic Substitution Component Exchange of Quaternary Ammonium Salts. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2484-2496.	3.3	25
11	Organocatalyzed and Uncatalyzed $\text{C}=\text{C}/\text{C}=\text{C}$ and $\text{C}=\text{C}/\text{C}=\text{N}$ Exchange Processes between α,β -Unsaturated Carbonyl Compounds and Imine Compounds in Dynamic Covalent Chemistry. <i>Helvetica Chimica Acta</i> , 2014, 97, 1219-1236.	1.6	23
12	A Disposable Electrochemical Biosensor Based on Screen-Printed Carbon Electrodes Modified with Silver Nanowires/HPMC/Chitosan/Urease for the Detection of Mercury (II) in Water. <i>Biosensors</i> , 2021, 11, 351.	4.7	22
13	A circular dichroism sensor for selective detection of Cd ²⁺ and S ²⁻ based on the in-situ generation of chiral CdS quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 183, 408-416.	3.9	18
14	Silver ion modulated CdS quantum dots for highly selective detection of trace Hg ²⁺ . <i>Journal of Luminescence</i> , 2016, 178, 437-445.	3.1	15
15	Gelation-driven selection in dynamic covalent $\text{C}=\text{C}/\text{C}=\text{N}$ exchange. <i>Chemical Science</i> , 2017, 8, 6822-6828.	7.4	15
16	Fluorescence sensor based on d-penicillamine capped cadmium sulfide quantum dots for the detection of cysteamine. <i>Journal of Luminescence</i> , 2017, 187, 260-268.	3.1	14
17	A machine learning colorimetric biosensor based on acetylcholinesterase and silver nanoparticles for the detection of dichlorvos pesticides. <i>Materials Chemistry Frontiers</i> , 2022, 6, 1487-1498.	5.9	12
18	Self-assembled coordination nanoparticles from nucleotides and lanthanide ions with doped-boronic acid-fluorescein for detection of cyanide in the presence of Cu ²⁺ in water. <i>Talanta</i> , 2012, 89, 264-269.	5.5	11

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19	Tannic Acid-Stabilized Silver Nanoparticles Used in Biomedical Application as an Effective Antimelioidosis and Prolonged Efflux Pump Inhibitor against Melioidosis Causative Pathogen. <i>Molecules</i> , 2021, 26, 1004.	3.8	10
20	The Decoration of ZnO Nanoparticles by Gamma Aminobutyric Acid, Curcumin Derivative and Silver Nanoparticles: Synthesis, Characterization and Antibacterial Evaluation. <i>Nanomaterials</i> , 2021, 11, 442.	4.1	7