

Gaurav Vyas

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Green route for synthesis of multifunctional fluorescent carbon dots from Tulsi leaves and its application as Cr(VI) sensors, bio-imaging and patterning agents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 126-133.	5.0	147
2	Gold-Nanoparticle-Encapsulated ZIF-8 for a Mediator-Free Enzymatic Glucose Sensor by Amperometry. <i>ACS Applied Nano Materials</i> , 2018, 1, 3600-3607.	5.0	89
3	Water-Dispersible Fluorescent Carbon Dots as Bioimaging Agents and Probes for Hg ²⁺ and Cu ²⁺ Ions. <i>ACS Applied Nano Materials</i> , 2020, 3, 7096-7104.	5.0	88
4	Sunlight Induced Preparation of Functionalized Gold Nanoparticles as Recyclable Colorimetric Dual Sensor for Aluminum and Fluoride in Water. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17359-17368.	8.0	63
5	Synthesis of Calixarene-Capped Silver Nanoparticles for Colorimetric and Amperometric Detection of Mercury (Hg ^{II} , Hg ⁰). <i>ACS Omega</i> , 2019, 4, 3860-3870.	3.5	59
6	Silver nanoparticle based highly selective and sensitive solvatochromatic sensor for colorimetric detection of 1,4-dioxane in aqueous media. <i>Chemical Communications</i> , 2015, 51, 15936-15939.	4.1	27
7	Colorimetric dual sensor for Cu(II) and tyrosine and its application as paper strips for detection in water and human saliva as real samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118052.	3.9	21
8	Detection of NaCN in aqueous media using a calixarene-based fluoroionophore containing ruthenium(^{II})-bipyridine as the fluorogenic unit. <i>RSC Advances</i> , 2015, 5, 6151-6159.	3.6	20
9	Rosmarinic Acid-Capped Silver Nanoparticles for Colorimetric Detection of CN ⁻ and Redox-Modulated Surface Reaction-Aided Detection of Cr(VI) in Water. <i>ACS Omega</i> , 2022, 7, 1318-1328.	3.5	17
10	Polyacrylic acid@zeolitic imidazolate framework-8 nanoparticles for detection and absorptive removal of cyanide from aqueous media with high efficiency. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 617, 126358.	4.7	10
11	Functionalized magnetic nanoparticles Fe ₃ O ₄ @SiO ₂ @PTA (PTA = (2-pyrimidylthio)acetic acid) for efficient removal of mercury from water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 611, 125861.	4.7	9
12	Microwave-assisted synthesis of nitrogen-doped carbon dots using prickly pear as the carbon source and its application as a highly selective sensor for Cr(^{VI}) and as a patterning agent. <i>Analytical Methods</i> , 2022, 14, 269-277.	2.7	9
13	<i>Tinospora cordifolia</i> derived biomass functionalized ZnO particles for effective removal of lead(II), iron(III), phosphate and arsenic(III) from water. <i>RSC Advances</i> , 2019, 9, 34102-34113.	3.6	5
14	A New Molecular Probe for Colorimetric and Fluorometric Detection and Removal of Hg ²⁺ and its Application as Agarose Film-Based Sensor for On-Site Monitoring. <i>Journal of Fluorescence</i> , 2020, 30, 1531-1542.	2.5	5
15	New Route for Synthesis of Fluorescent SnO ₂ Nanoparticles for Selective Sensing of Fe(III) in Aqueous Media. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 3954-3959.	0.9	4
16	Solvent Assisted Synthesis of Nitrogen and Sulfur Doped Blue and Yellow Emissive Carbon Dots and Their Applications as a Selective Cr(VI) Sensor and Patterning Agent. <i>ChemistrySelect</i> , 2022, 7, .	1.5	1