

# Gaurav Vyas

## List of Publications by Year in descending order

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