

Rahul Kaushik

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

830
citations

567281

15
h-index

677142

22
g-index

23
all docs

23
docs citations

23
times ranked

1011
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensing and Bioimaging of the Gaseous Signaling Molecule Hydrogen Sulfide by Near-Infrared Fluorescent Probes. <i>ACS Sensors</i> , 2020, 5, 3365-3391.	7.8	107
2	Recent progress in hydrogen sulphide (H ₂ S) sensors by metal displacement approach. <i>Coordination Chemistry Reviews</i> , 2017, 347, 141-157.	18.8	101
3	Detection of Moisture by Fluorescent OFF-ON Sensor in Organic Solvents and Raw Food Products. <i>Analytical Chemistry</i> , 2016, 88, 11314-11318.	6.5	96
4	Selective Detection of Cyanide in Water and Biological Samples by an Off-the-Shelf Compound. <i>ACS Sensors</i> , 2016, 1, 1265-1271.	7.8	89
5	Selective Detection of H ₂ S by Copper Complex Embedded in Vesicles through Metal Indicator Displacement Approach. <i>ACS Sensors</i> , 2018, 3, 1142-1148.	7.8	53
6	Antraquinones as versatile colorimetric reagent for anions. <i>Sensors and Actuators B: Chemical</i> , 2016, 229, 545-560.	7.8	52
7	Fluorescent nanoprobe for the sensing of gasotransmitters hydrogen sulfide (H ₂ S), nitric oxide (NO) and carbon monoxide (CO). <i>Methods</i> , 2019, 168, 62-75.	3.8	44
8	Simple terpyridine based Cu(II)/Zn(II) complexes for the selective fluorescent detection of H ₂ S in aqueous medium. <i>Journal of Luminescence</i> , 2016, 171, 112-117.	3.1	39
9	Alizarin red-zinc fluorescent ensemble for selective detection of hydrogen sulphide and assay with an H ₂ S donor. <i>RSC Advances</i> , 2015, 5, 79309-79316.	3.6	38
10	Multianalytes Sensing Probe: Fluorescent Moisture Detection, Smartphone Assisted Colorimetric Phosgene recognition and Colorimetric Discrimination of Cu ²⁺ and Fe ³⁺ ions. <i>Sensors and Actuators B: Chemical</i> , 2021, 328, 129026.	7.8	33
11	Colorimetric sensor for the detection of H ₂ S and its application in molecular half-subtractor. <i>Analytica Chimica Acta</i> , 2018, 1040, 177-186.	5.4	30
12	Copper Complex-Embedded Vesicular Receptor for Selective Detection of Cyanide Ion and Colorimetric Monitoring of Enzymatic Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47587-47595.	8.0	27
13	Selective Colorimetric Sensor for the Detection of Hg ²⁺ and H ₂ S in Aqueous Medium and Waste Water Samples. <i>ChemistrySelect</i> , 2016, 1, 1533-1540.	1.5	24
14	Anion responsive and morphology tunable tripodal gelators. <i>RSC Advances</i> , 2016, 6, 83303-83311.	3.6	19
15	Simpler molecular structure as selective & sensitive ESIPT-based fluorescent probe for cysteine and Homocysteine detection with DFT studies. <i>Journal of Molecular Structure</i> , 2020, 1207, 127839.	3.6	19
16	Allosteric Regulation in Carbon Monoxide (CO) Release: Anion Responsive CO-Releasing Molecule (CORM) Derived from (Terpyridine)phenol Manganese Tricarbonyl Complex with Colorimetric and Fluorescence Monitoring. <i>Inorganic Chemistry</i> , 2019, 58, 10761-10768.	4.0	16
17	Giant iron polyoxometalate that works as a catalyst for water oxidation. <i>New Journal of Chemistry</i> , 2020, 44, 3764-3770.	2.8	10
18	Multifunctionality exploration of NiCo ₂ O ₄ @rGO nanocomposites: photochemical water oxidation, methanol electro-oxidation and asymmetric supercapacitor applications. <i>Dalton Transactions</i> , 2021, 50, 18001-18015.	3.3	8

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19	Light-induced water oxidation by polymorphs of the Zn ²⁺ Co ²⁺ Ni oxide spinel catalyst: a comparative study. <i>Sustainable Energy and Fuels</i> , 2019, 3, 786-792.	4.9	7
20	Facile synthesis of CuAg ₂ S based nanoparticles and nanocomposites as highly selective and sensitive colorimetric cyanide sensor. <i>Materials Chemistry and Physics</i> , 2021, 260, 124132.	4.0	6
21	Curcumin immobilized metal organic framework based fluorescent nanoprobe for selective sensing and bioimaging of Fe(II). <i>Materials Today Communications</i> , 2021, 28, 102563.	1.9	6
22	Antiferromagnetically coupled double perovskite as an efficient and robust catalyst for visible light driven water splitting at neutral pH. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5083-5093.	2.8	5
23	Colorimetric and fluorescent nanosensors for the detection of gaseous signaling molecule hydrogen sulfide (H ₂ S). , 2021, , 203-220.		1