

Sabyasachi Ta

List of Publications by Citations

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19
papers

182
citations

9
h-index

13
g-index

19
ext. papers

209
ext. citations

3.7
avg, IF

2.99
L-index

#	Paper	IF	Citations
19	Dual mode ratiometric recognition of zinc acetate: nanomolar detection with in vitro tracking of endophytic bacteria in rice root tissue. <i>Dalton Transactions</i> , 2016 , 45, 599-606	4.3	31
18	Exploring the Scope of Photo-Induced Electron Transfer-Chelation-Enhanced Fluorescence-Fluorescence Resonance Energy Transfer Processes for Recognition and Discrimination of Zn, Cd, Hg, and Al in a Ratiometric Manner: Application to Sea Fish Analysis. <i>ACS Omega</i> , 2018 , 3, 4262-4275	3.9	29
17	Detection and discrimination of Al ³⁺ and Hg ²⁺ using a single probe: Nano-level determination, human breast cancer cell (MCF7) imaging, binary logic gate development and sea fish sample analysis. <i>Sensors and Actuators B: Chemical</i> , 2017 , 249, 339-347	8.5	24
16	ESIPT-Based Nanomolar Zn ²⁺ Sensor for Human Breast Cancer Cell (MCF7) Imaging. <i>ChemistrySelect</i> , 2017 , 2, 7426-7431	1.8	13
15	A unique benzimidazole-naphthalene hybrid molecule for independent detection of Zn and N ions: Experimental and theoretical investigations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019 , 209, 170-185	4.4	13
14	Tuning of azine derivatives for selective recognition of Ag with the in vitro tracking of endophytic bacteria in rice root tissue. <i>Dalton Transactions</i> , 2016 , 45, 19491-19499	4.3	11
13	Recognition of ceric ion in aqueous medium at pico-molar level: Colorimetric, fluorimetric and single crystal X-ray structural evidences. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 367, 32-38	4.7	11
12	Sequential Fluorescence Recognition of Molybdenum(VI), Arsenite, and Phosphate Ions in a Ratiometric Manner: A Facile Approach for Discrimination of AsO and HPO. <i>ACS Omega</i> , 2019 , 4, 10877-10890	3.9	10
11	A Hydrogen-Bond-Assisted CHEF Approach for Colorimetric and Fluorescence Recognition of Picric Acid and Its Solid-Phase Extraction by an Immobilized Probe. <i>ChemistrySelect</i> , 2018 , 3, 6145-6151	1.8	10
10	Pyridine-antipyrene appended indole derivative for selective recognition of Fe: Concentration dependent coloration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 173, 196-200	4.4	6
9	Metal-Ion Displacement Approach for Optical Recognition of Thorium: Application of a Molybdenum(VI) Complex for Nanomolar Determination and Enrichment of Th(IV). <i>ACS Omega</i> , 2018 , 3, 16089-16098	3.9	5
8	Oxidative cyclization of thiosemicarbazide: a chemodosimetric approach for the highly selective fluorescence detection of cerium(IV). <i>New Journal of Chemistry</i> , 2020 , 44, 9452-9455	3.6	4
7	Azine based smart probe for optical recognition and enrichment of Mo(vi). <i>Dalton Transactions</i> , 2018 , 47, 11084-11090	4.3	4
6	Al ³⁺ triggered aggregation induced emission of an anthracene based azine derivative in SDS medium. <i>New Journal of Chemistry</i> , 2020 , 44, 8477-8485	3.6	4
5	Amide-imine conjugate involving gallic acid and naphthalene for nano-molar detection, enrichment and cancer cell imaging of La ³⁺ : studies on the catalytic activity of the La ³⁺ complex. <i>New Journal of Chemistry</i> , 2020 , 44, 13501-13506	3.6	3
4	Naphthalene Based Amide-Imine Derivative and its Dinuclear Vanadium Complex: Structures, Atmospheric CO ₂ Fixation and Theoretical Support. <i>ChemistrySelect</i> , 2019 , 4, 10254-10259	1.8	2
3	Exploring aggregation-induced emission through tuning of ligand structure for picomolar detection of pyrene. <i>Journal of Molecular Recognition</i> , 2019 , 32, e2771	2.6	2

- 2 X-ray structurally characterized Mo (VI), Fe (III) and Cu (II) complexes of amide-imine conjugate: (bio)catalytic and histidine recognition studies. *Applied Organometallic Chemistry*, **2020**, 34, e5823 3.1 ○
- 1 Tuning uracil derivatives for the AIE-based detection of pyrene at a nano-molar level: single-crystal X-ray structure and DFT support. *New Journal of Chemistry*, **2020**, 44, 15376-15386 3.6 ○