

Sabyasachi Ta

List of Publications by Year in descending order

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papers

245
citations

1040018

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docs citations

19
times ranked

233
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual mode ratiometric recognition of zinc acetate: nanomolar detection with in vitro tracking of endophytic bacteria in rice root tissue. Dalton Transactions, 2016, 45, 599-606.	3.3	34
2	Exploring the Scope of Photo-Induced Electron Transferâ€“Chelation-Enhanced Fluorescenceâ€“Fluorescence Resonance Energy Transfer Processes for Recognition and Discrimination of Zn ²⁺ , Cd ²⁺ , Hg ²⁺ , and Al ³⁺ in a Ratiometric Manner: Application to Sea Fish Analysis. ACS Omega, 2018, 3, 4262-4275.	3.5	34
3	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. Sensors and Actuators B: Chemical, 2017, 249, 339-347.	7.8	27
4	Sequential Fluorescence Recognition of Molybdenum(VI), Arsenite, and Phosphate Ions in a Ratiometric Manner: A Facile Approach for Discrimination of AsO ₂ ⁻ and H ₂ PO ₄ ⁻ . ACS Omega, 2019, 4, 10877-10890.	3.5	22
5	A unique benzimidazole-naphthalene hybrid molecule for independent detection of Zn ²⁺ and N ³⁺ ions: Experimental and theoretical investigations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 209, 170-185.	3.9	20
6	ESIPTâ€“Based Nanomolar Zn ²⁺ Sensor for Human Breast Cancer Cell (MCF7) Imaging. ChemistrySelect, 2017, 2, 7426-7431.	1.5	18
7	Recognition of ceric ion in aqueous medium at pico-molar level: Colorimetric, fluorimetric and single crystal X-ray structural evidences. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 32-38.	3.9	14
8	Tuning of azine derivatives for selective recognition of Ag ⁺ with the in vitro tracking of endophytic bacteria in rice root tissue. Dalton Transactions, 2016, 45, 19491-19499.	3.3	11
9	A Hydrogenâ€“Bondâ€“Assisted CHEF Approach for Colorimetric and Fluorescence Recognition of Picric Acid and Its Solidâ€“Phase Extraction by an Immobilized Probe. ChemistrySelect, 2018, 3, 6145-6151.	1.5	11
10	Oxidative cyclization of thiosemicarbazide: a chemodosimetric approach for the highly selective fluorescence detection of cerium(IV). New Journal of Chemistry, 2020, 44, 9452-9455.	2.8	9
11	Metal-Ion Displacement Approach for Optical Recognition of Thorium: Application of a Molybdenum(VI) Complex for Nanomolar Determination and Enrichment of Th(IV). ACS Omega, 2018, 3, 16089-16098.	3.5	8
12	Pyridineâ€“antipyrine appended indole derivative for selective recognition of Fe ³⁺ : Concentration dependent coloration. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 196-200.	3.9	7
13	Amideâ€“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. New Journal of Chemistry, 2020, 44, 13501-13506.	2.8	7
14	Azine based smart probe for optical recognition and enrichment of Mo(VI). Dalton Transactions, 2018, 47, 11084-11090.	3.3	5
15	Xâ€“ray structurally characterized Mo(VI), Fe(III) and Cu(II) complexes of amideâ€“imine conjugate: (bio)catalytic and histidine recognition studies. Applied Organometallic Chemistry, 2020, 34, e5823.	3.5	5
16	Al ³⁺ triggered aggregation induced emission of an anthracene based azine derivative in SDS medium. New Journal of Chemistry, 2020, 44, 8477-8485.	2.8	5
17	Naphthalene Based Amideâ€“imine Derivative and its Dinuclear Vanadium Complex: Structures, Atmospheric CO ₂ Fixation and Theoretical Support. ChemistrySelect, 2019, 4, 10254-10259.	1.5	4
18	Exploring aggregationâ€“induced emission through tuning of ligand structure for picomolar detection of pyrene. Journal of Molecular Recognition, 2019, 32, e2771.	2.1	3

#	ARTICLE	IF	CITATIONS
19	Tuning uracil derivatives for the AIE-based detection of pyrene at a nano-molar level: single-crystal X-ray structure and DFT support. <i>New Journal of Chemistry</i> , 2020, 44, 15376-15386.	2.8	1