

# Sabyasachi Ta

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Oxidative cyclization of thiosemicarbazide: a chemodosimetric approach for the highly selective fluorescence detection of cerium(IV). <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 9452-9455	3.6	4
18	X-ray structurally characterized Mo (VI), Fe (III) and Cu (II) complexes of amide-imine conjugate: (bio)catalytic and histidine recognition studies. <i>Applied Organometallic Chemistry</i> , <b>2020</b> , 34, e5823	3.1	0
17	Amide-imine conjugate involving gallic acid and naphthalene for nano-molar detection, enrichment and cancer cell imaging of La <sup>3+</sup> : studies on the catalytic activity of the La <sup>3+</sup> complex. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 13501-13506	3.6	3
16	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> , <b>2020</b> , 44, 15376-15386	3.6	0
15	Al <sup>3+</sup> triggered aggregation induced emission of an anthracene based azine derivative in SDS medium. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 8477-8485	3.6	4
14	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> , <b>2019</b> , 4, 10877-10890	3.9	10
13	Naphthalene Based Amide-Imine Derivative and its Dinuclear Vanadium Complex: Structures, Atmospheric CO <sub>2</sub> Fixation and Theoretical Support. <i>ChemistrySelect</i> , <b>2019</b> , 4, 10254-10259	1.8	2
12	Exploring aggregation-induced emission through tuning of ligand structure for picomolar detection of pyrene. <i>Journal of Molecular Recognition</i> , <b>2019</b> , 32, e2771	2.6	2
11	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> , <b>2019</b> , 209, 170-185	4.4	13
10	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> , <b>2018</b> , 3, 4262-4275	3.9	29
9	Azine based smart probe for optical recognition and enrichment of Mo(vi). <i>Dalton Transactions</i> , <b>2018</b> , 47, 11084-11090	4.3	4
8	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> , <b>2018</b> , 367, 32-38	4.7	11
7	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> , <b>2018</b> , 3, 6145-6151	1.8	10
6	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> , <b>2018</b> , 3, 16089-16098	3.9	5
5	Detection and discrimination of Al <sup>3+</sup> and Hg <sup>2+</sup> 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> , <b>2017</b> , 249, 339-347	8.5	24
4	ESIPT-Based Nanomolar Zn <sup>2+</sup> Sensor for Human Breast Cancer Cell (MCF7) Imaging. <i>ChemistrySelect</i> , <b>2017</b> , 2, 7426-7431	1.8	13
3	Pyridine-antipyrene appended indole derivative for selective recognition of Fe: Concentration dependent coloration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2017</b> , 173, 196-200	4.4	6

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| 2 | 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> , <b>2016</b> , 45, 19491-19499    | 4-3 | 11 |
| 1 | Dual mode ratiometric recognition of zinc acetate: nanomolar detection with in vitro tracking of endophytic bacteria in rice root tissue. <i>Dalton Transactions</i> , <b>2016</b> , 45, 599-606 | 4-3 | 31 |