Subhra Kanti Mukhopadhyay

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Metaproteomic Discovery and Characterization of a Novel Lipolytic Enzyme From an Indian Hot Spring. Frontiers in Microbiology, 2021, 12, 672727.	3.5	4
2	Zn ²⁺ Recognition for Pathogenesis of <i>Pick's Disease</i> via a Luminescent Test Kit. ChemistrySelect, 2021, 6, 6733-6739.	1.5	1
3	Intracellular Fluorometric Recognition of Explosive and Mutagenic Nitroaromatics by a Luminescent Phenanthreneâ€Naphthalene Sulfone. ChemistrySelect, 2020, 5, 8722-8728.	1.5	2
4	Engineering bio-molecular device with biocompatible sensor <i>via</i> symmetric encryption–decryption of spectroscopic signals towards F ^Ⱂ detection and Zn ²⁺ recognition by the imine hydrolysis pathway. New Journal of Chemistry, 2020, 44, 15251-15259.	2.8	9
5	Plant Growth-Promoting Traits of a Thermophilic Strain of the Klebsiella Group with its Effect on Rice Plant Growth. Current Microbiology, 2020, 77, 2613-2622.	2.2	18
6	Microbiome and ecology of a hot spring-microbialite system on the Trans-Himalayan Plateau. Scientific Reports, 2020, 10, 5917.	3.3	46
7	CdS quantum dots embedded in PVP: Inorganic phosphate ion sensing in real sample and its antimicrobial activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 234, 118256.	3.9	5
8	Sensitive and Selective in Vitro Recognition of Biologically Toxic As(III) by Rhodamine Based Chemoreceptor. ACS Sustainable Chemistry and Engineering, 2019, 7, 13687-13697.	6.7	34
9	Crystal structure, spectroscopic, DNA binding studies and DFT calculations of a Zn(ii) complex. New Journal of Chemistry, 2019, 43, 5466-5474.	2.8	12
10	Application of rice (Oryza sativa L.) root endophytic diazotrophic Azotobacter sp. strain Avi2 (MCC) Tj ETQq0 0 219, 56-65.) rgBT /Ov 5.3	verlock 10 Tf 5 70
11	Chelator Probe with Exceptionally High Stokes Shift for Selective Detection of OAc ^{â^'} with Red Emission: Application as a Biosensor. ChemistrySelect, 2018, 3, 1151-1156.	1.5	11
12	Trace Level Recognition of Zn ²⁺ and Cd ²⁺ by Biocompatible Chemosensor inside Androecium, Diagnosis of Pick's Disease from Urine and Biomimetic β-Cell Exocytosis. ACS Applied Bio Materials, 2018, 1, 683-692.	4.6	19
13	Naphthalimide-Based Turn-On Fluorosensor for Aqueous Sulfide Ions for Staining in Living Cells. ChemistrySelect, 2017, 2, 9977-9983.	1.5	10
14	A new turn-on benzimidazole-based greenish-yellow fluorescent sensor for Zn ²⁺ ions at biological pH applicable in cell imaging. New Journal of Chemistry, 2017, 41, 7583-7590.	2.8	43
15	Cenome Sequence of the Red Pigment-Forming Meiothermus taiwanensis Strain RP Isolated from Paniphala Hot Spring, India. Genome Announcements, 2016, 4, .	0.8	4
16	Genome Sequence of the Multiple-Protease-Producing Strain Geobacillus thermoleovorans N7 , a Thermophilic Bacterium Isolated from Paniphala Hot Spring, West Bengal, India. Genome Announcements, 2016, 4, .	0.8	7
17	Genome Sequence of the Arsenic-Resistant <i>Haladaptatus</i> sp. Strain R4 Isolated from Ramnagar, West Bengal, India. Genome Announcements, 2016, 4, .	0.8	5
18	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

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19	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
20	Recognition of fluoride anions at low ppm level inside living cells and from fluorosis affected tooth and saliva samples. RSC Advances, 2015, 5, 27387-27392.	3.6	79
21	Pyridine Based Fluorescence Probe: Simultaneous Detection and Removal of Arsenate from Real Samples with Living Cell Imaging Properties. Journal of Fluorescence, 2015, 25, 1191-1201.	2.5	13
22	A simple and dual responsive efficient new Schiff base chemoreceptor for selective sensing of F ^{â^'} and Hg ²⁺ : application to bioimaging in living cells and mimicking of molecular logic gates. RSC Advances, 2015, 5, 62017-62023.	3.6	55
23	2-(2-Pyridyl) benzimidazole-based ternary Mn(ii) complex as an arsenate selective turn-on fluorescence probe: ppb level determination and cell imaging studies. New Journal of Chemistry, 2014, 38, 2744.	2.8	10
24	Visible light excitable fluorescence probe and its functionalized Merrifield polymer: selective sensing and removal of arsenate from real samples. RSC Advances, 2014, 4, 3887-3892.	3.6	21
25	A FRET operated sensor for intracellular pH mapping: strategically improved efficiency on moving from an anthracene to a naphthalene derivative. RSC Advances, 2013, 3, 14397.	3.6	24
26	Xanthone based Pb ²⁺ selective turn on fluorescent probe for living cell staining. Analytical Methods, 2013, 5, 169-172.	2.7	13
27	A rhodamine–naphthalene conjugate as a FRET based sensor for Cr ³⁺ and Fe ³⁺ with cell staining application. Analytical Methods, 2013, 5, 442-445.	2.7	54
28	Lighting of a rhodamine-based fluorescent lamp using ClO4â^' as a connector: detection by the naked eye and cell imaging studies of trace amounts of ClO4â^' ions. RSC Advances, 2013, 3, 14044.	3.6	8
29	Anthracene appended coumarin derivative as a Cr(iii) selective turn-on fluorescent probe for living cell imaging: a green approach towards speciation studies. Analytical Methods, 2012, 4, 3163.	2.7	17
30	Interaction of soft donor sites with a hard metal ion: crystallographically characterized blue emitting fluorescent probe for Al(iii) with cell staining studies. RSC Advances, 2012, 2, 12447.	3.6	46