

Sukhendu Mandal

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

1,674
citations

279798

23
h-index

361022

35
g-index

107
all docs

107
docs citations

107
times ranked

2175
citing authors

#	ARTICLE	IF	CITATIONS
1	Immune escape facilitation by mutations of epitope residues in RdRp of SARS-CoV-2. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 3542-3552.	3.5	5
2	Spectroscopic and Computational Studies on a Dansyl Based Luminescent Probe: Detection of Water Contaminant in Hygroscopic Deuterated Solvents. <i>Letters in Organic Chemistry</i> , 2022, 19, 71-82.	0.5	2
3	Culturable Bacterial Isolates from Arctic Soil shows High Biotechnological Potential. <i>Journal of Pure and Applied Microbiology</i> , 2022, 16, 235-245.	0.9	2
4	Nod factors are dispensable for nodulation: A twist in bradyrhizobia-legume symbiosis. <i>Symbiosis</i> , 2022, 86, 1-15.	2.3	5
5	Endophytic Microbiota of Rice and Their Collective Impact on Host Fitness. <i>Current Microbiology</i> , 2022, 79, 37.	2.2	14
6	Study of epidemiological behaviour of malaria and its control in the Purulia district of West Bengal, India (2016-2020). <i>Scientific Reports</i> , 2022, 12, 630.	3.3	6
7	Anti-enteric efficacy and mode of action of tridecanoic acid methyl ester isolated from <i>Monochoria hastata</i> (L.) Solms leaf. <i>Brazilian Journal of Microbiology</i> , 2022, , 1.	2.0	3
8	Poly-cis-isoprene Degradation by <i>Nocardia</i> sp. BSTN01 Isolated from Industrial Waste. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 3333-3350.	2.9	5
9	Whole-Genome Shotgun (WGS) Sequence of <i>Nocardia</i> sp. strain BSTN01. <i>Microbiology Resource Announcements</i> , 2022, , e0117521.	0.6	1
10	Production and characterization of a broad-spectrum antimicrobial 5-butyl-2-pyridine carboxylic acid from <i>Aspergillus fumigatus</i> nHF-01. <i>Scientific Reports</i> , 2022, 12, 6006.	3.3	7
11	Different soil salinity imparts clear alteration in rhizospheric bacterial community dynamics in rice and peanut. <i>Archives of Microbiology</i> , 2022, 204, 36.	2.2	3
12	Comprehensive genome analysis of <i>Lentzea</i> reveals repertoire of polymer-degrading enzymes and bioactive compounds with clinical relevance. <i>Scientific Reports</i> , 2022, 12, 8409.	3.3	3
13	A benzothiazole-based dual reaction site fluorescent probe for the selective detection of hydrazine in water and live cells. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4949-4963.	2.8	8
14	A dual-channel chemodosimetric sensor for discrimination between hypochlorite and nerve-agent mimic DCP: application on human breast cancer cells. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4803-4814.	2.8	7
15	Plasmid-Based Gene Expression Systems for Lactic Acid Bacteria: A Review. <i>Microorganisms</i> , 2022, 10, 1132.	3.6	9
16	An antibacterial compound pyrimidomycin produced by <i>Streptomyces</i> sp. PSAA01 isolated from soil of Eastern Himalayan foothill. <i>Scientific Reports</i> , 2022, 12, .	3.3	4
17	A natural food preservative peptide nisin can interact with the SARS-CoV-2 spike protein receptor human ACE2. <i>Virology</i> , 2021, 552, 107-111.	2.4	32
18	Fluorescence resonance energy transfer (FRET) signaling with zinc ensemble: a new array of investigating prevalence of ATP in liver cancer cells. <i>New Journal of Chemistry</i> , 2021, 45, 3188-3192.	2.8	4

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19	Distribution of sigma factors delineates segregation of virulent and avirulent Mycobacterium. Archives of Microbiology, 2021, 203, 1627-1640.	2.2	0
20	A one-pot fluorogenic cascade cyclization reaction <i>via</i> BF ₃ -sensing. Analyst, The, 2021, 146, 2998-3003.	3.5	7
21	Morpho-biochemical and molecular characterization of two new strains of <i>Aspergillus fumigatus</i> nHF-01 and <i>A. fumigatus</i> PPR-01 producing broad-spectrum antimicrobial compounds. Brazilian Journal of Microbiology, 2021, 52, 905-917.	2.0	5
22	<i>Streptomyces himalayensis</i> sp. nov. including <i>Streptomyces himalayensis</i> subsp. <i>himalayensis</i> subsp. nov. and <i>Streptomyces himalayensis</i> subsp. <i>aureolus</i> subsp. nov. isolated from Western Himalaya. Archives of Microbiology, 2021, 203, 2325-2334.	2.2	2
23	Characterization of a novel theta-type plasmid pSM409 of <i>Enterococcus faecium</i> RME isolated from raw milk. Gene, 2021, 777, 145459.	2.2	6
24	Tryptophan interferes with the quorum sensing and cell surface hydrophobicity of <i>Staphylococcus aureus</i> : a promising approach to inhibit the biofilm development. 3 Biotech, 2021, 11, 376.	2.2	8
25	A ratiometric triazine-based colorimetric and fluorometric sensor for the recognition of Zn ²⁺ ions and its application in human lung cancer cells. Analytical Methods, 2021, 13, 3922-3929.	2.7	12
26	<i>Streptomyces cupreus</i> sp. nov., an antimicrobial producing actinobacterium isolated from Himalayan soil. Archives of Microbiology, 2021, 203, 1601-1609.	2.2	4
27	Production of extracellular lipase from psychrotrophic bacterium <i>Oceanisphaera</i> sp. RSAP17 isolated from arctic soil. Antonie Van Leeuwenhoek, 2021, 114, 2175-2188.	1.7	4
28	<i>Gordonia</i> sp. BSTG01 isolated from <i>Hevea brasiliensis</i> plantation efficiently degrades polyisoprene (rubber). 3 Biotech, 2021, 11, 508.	2.2	4
29	Insights from the comparative genome analysis of natural rubber degrading <i>Nocardia</i> species. Bioinformatics, 2021, 17, 880-890.	0.5	2
30	Non-synonymous mutations of SARS-CoV-2 leads epitope loss and segregates its variants. Microbes and Infection, 2020, 22, 598-607.	1.9	40
31	<i>Lentzea indica</i> sp. nov., a novel actinobacteria isolated from Indian Himalayan-soil. Antonie Van Leeuwenhoek, 2020, 113, 1411-1423.	1.7	10
32	Response to MacIntyre et Al., 2020: A rapid systematic review of the efficacy of face masks and respirators against coronaviruses and other respiratory transmissible viruses for the community, healthcare workers and sick patients. International Journal of Nursing Studies, 2020, 109, 103714.	5.6	6
33	Studies on the gene regulation involved in the lytic-lysogenic switch in <i>Staphylococcus aureus</i> temperate bacteriophage Phi11. Journal of Biochemistry, 2020, 168, 659-668.	1.7	6
34	Effect of different stimuli on twitching behavior of endophytic bacteria isolated from <i>Loranthus</i> sp. Jacq.. Antonie Van Leeuwenhoek, 2020, 113, 1489-1505.	1.7	2
35	<i>Streptomyces</i> sp SM01 isolated from Indian soil produces a novel antibiotic picolinamycin effective against multi drug resistant bacterial strains. Scientific Reports, 2020, 10, 10092.	3.3	32
36	Bio-molecule functionalized rapid one-pot green synthesis of silver nanoparticles and their efficacy toward the multidrug resistant (MDR) gut bacteria of silkworms (<i>Bombyx mori</i>). RSC Advances, 2020, 10, 22742-22757.	3.6	45

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37	The C-terminal domain of <i>M. tuberculosis</i> ECF sigma factor I (SigI) interferes in SigI-RNAP interaction. <i>Journal of Molecular Modeling</i> , 2020, 26, 77.	1.8	2
38	Different Anisotropic Silver Nanocrystals Show Different Antibacterial Activities – An Effect of Different Prominent Crystallographic Orientations in Different Shapes. <i>Current Science</i> , 2020, 118, 1903.	0.8	1
39	Microbial Degradation of Natural and Synthetic Rubbers. , 2020, , 527-550.		4
40	GC-MS Analysis of Anti-Enterobacterial Dichloromethane Fraction of Mandukaparni (<i>Hydrocotyle</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	1
41	Draft Genome Sequence of Cold-Tolerant <i>Kurthia gibsonii</i> B83, Isolated from Spinach Leaf. <i>Microbiology Resource Announcements</i> , 2019, 8, .	0.6	8
42	Partial purification, characterization and mode of action of bacteriocins produced by three strains of <i>Pediococcus</i> sp.. <i>Journal of Food Science and Technology</i> , 2019, 56, 2594-2604.	2.8	14
43	Structural basis of ECF- σ -factor-dependent transcription initiation. <i>Nature Communications</i> , 2019, 10, 710.	12.8	37
44	A benzothiazole-conjugated hemicyanine dye as a ratiometric NIR fluorescent probe for the detection and imaging of peroxynitrite in living cells. <i>Analytical Methods</i> , 2019, 11, 5447-5454.	2.7	18
45	Elucidating the chemical and biochemical applications of <i>Citrus sinensis</i> -mediated silver nanocrystal. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 4863-4874.	3.5	6
46	Majority of Actinobacterial Strains Isolated from Kashmir Himalaya Soil Are Rich Source of Antimicrobials and Industrially Important Biomolecules. <i>Advances in Microbiology</i> , 2019, 09, 220-238.	0.6	19
47	Visualisation of DCP, a nerve agent mimic, in Catfish brain by a simple chemosensor. <i>Scientific Reports</i> , 2018, 8, 3402.	3.3	41
48	Determining the Roles of a Conserved α -Helix in a Global Virulence Regulator from <i>Staphylococcus aureus</i> . <i>Protein Journal</i> , 2018, 37, 103-112.	1.6	4
49	A chemosensor to recognize N-acyl homoserine lactone in bacterial biofilm. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 332-338.	7.8	13
50	Structural Basis of Transcription Inhibition by Fidaxomicin (Lipiarmycin A3). <i>Molecular Cell</i> , 2018, 70, 60-71.e15.	9.7	81
51	Alanine substitution mutations in the DNA binding region of a global staphylococcal virulence regulator affect its structure, function, and stability. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 1221-1232.	7.5	9
52	2-Deoxy-5-(hydroxymethyl)cytidine: estimation in human cancer cells with a simple chemosensor. <i>RSC Advances</i> , 2018, 8, 39893-39896.	3.6	2
53	Draft Genome Sequence of <i>Lactococcus lactis</i> subsp. <i>lactis</i> W8, a Potential Nisin-Producing Starter Culture for Indian Traditional Fermented Milk (Dahi). <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	4
54	Reduction of hexavalent chromium by a moderately halophilic bacterium, <i>Halomonas smyrnensis</i> KS802 under saline environment. <i>Environmental Sustainability</i> , 2018, 1, 411-423.	2.8	14

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55	NRF2 transcriptionally activates the heat shock factor 1 promoter under oxidative stress and affects survival and migration potential of MCF7 cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 19303-19316.	3.4	44
56	Installation of efficient quenching groups of a fluorescent probe for the specific detection of cysteine and homocysteine over glutathione in solution and imaging of living cells. <i>Supramolecular Chemistry</i> , 2017, 29, 59-68.	1.2	7
57	Selective fluorescence sensing and quantification of uric acid by naphthyridine-based receptor in biological sample. <i>Bioorganic Chemistry</i> , 2017, 71, 315-324.	4.1	18
58	A highly selective "ON-OFF" probe for colorimetric and fluorometric sensing of Cu ²⁺ in water. <i>RSC Advances</i> , 2017, 7, 11312-11321.	3.6	23
59	A chromogenic and ratiometric fluorogenic probe for rapid detection of a nerve agent simulant DCP based on a hybrid hydroxynaphthalene "hemicyanine dye. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5959-5967.	2.8	34
60	Structural Basis of Mycobacterium tuberculosis Transcription and Transcription Inhibition. <i>Molecular Cell</i> , 2017, 66, 169-179.e8.	9.7	130
61	Phenanthroline-fluorescein molecular hybrid as a ratiometric and selective fluorescent chemosensor for Cu ²⁺ via FRET strategy: synthesis, computational studies and in vitro applications. <i>Supramolecular Chemistry</i> , 2017, 29, 616-626.	1.2	10
62	Identification and characterization of a CI binding operator at a distant location in the temperate staphylococcal phage Φ 11. <i>FEMS Microbiology Letters</i> , 2017, 364, .	1.8	4
63	Identification of a suitable promoter for the sigma factor of Mycobacterium tuberculosis. <i>Molecular BioSystems</i> , 2017, 13, 2370-2378.	2.9	1
64	A benzopyrylium-phenothiazine conjugate of a flavylium derivative as a fluorescent chemosensor for cyanide in aqueous media and its bioimaging. <i>New Journal of Chemistry</i> , 2017, 41, 12581-12588.	2.8	15
65	<i>Mycobacterium tuberculosis</i> H37 Rv1222: structural insight in transcription inhibition. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 1574-1581.	3.5	0
66	Selective Recognition and Quantification of 2,3-Bisphosphoglycerate in Human Blood Samples by a Rhodamine Derivative. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 71-75.	2.7	23
67	"Turn-on" fluorescence sensing of cytosine: development of a chemosensor for quantification of cytosine in human cancer cells. <i>RSC Advances</i> , 2017, 7, 54008-54012.	3.6	15
68	Identification and characterization of a cyclosporin binding cyclophilin from <i>Staphylococcus aureus</i> Newman. <i>Bioinformatics</i> , 2017, 13, 78-85.	0.5	7
69	Segregation of nod-containing and nod-deficient bradyrhizobia as endosymbionts of <i>Arachis hypogaea</i> and as endophytes of <i>Oryza sativa</i> in intercropped fields of Bengal Basin, India. <i>Environmental Microbiology</i> , 2016, 18, 2575-2590.	3.8	19
70	A Fluorophore-Free Chemodosimeter for H ₂ S with Luminescence Turn-on Response: Hydrogen Sulphide Sensing in Garlic Extract. <i>ChemistrySelect</i> , 2016, 1, 5066-5073.	1.5	4
71	Highly sensitive ratiometric fluorescence probes for nitric oxide based on dihydropyridine and potentially useful in bioimaging. <i>RSC Advances</i> , 2016, 6, 113219-113227.	3.6	11
72	A highly sensitive fluorescent probe for detection of hydrazine in gas and solution phases based on the Gabriel mechanism and its bioimaging. <i>RSC Advances</i> , 2016, 6, 70855-70862.	3.6	47

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73	Pyrene appended thymine derivative for selective turn-on fluorescence sensing of uric acid in live cells. RSC Advances, 2016, 6, 66774-66778.	3.6	30
74	Dual mode selective chemosensor for copper and fluoride ions: a fluorometric, colorimetric and theoretical investigation. Dalton Transactions, 2016, 45, 11042-11051.	3.3	52
75	Highly Selective Ratiometric Fluorescent Probes for Detection of Perborate Based on Excited-State Intramolecular Proton Transfer (ESIPT) in Environmental Samples and Living Cells. ChemistrySelect, 2016, 1, 375-383.	1.5	13
76	In vitro antibacterial potential of <i>Hydrocotyle javanica</i> Thunb.. Asian Pacific Journal of Tropical Disease, 2016, 6, 54-62.	0.5	22
77	Reaction-based sensing of fluoride ions using desilylation method for triggering excited-state intramolecular proton transfer. Supramolecular Chemistry, 2016, 28, 693-706.	1.2	8
78	Structural analysis of sigma E interactions with core RNA polymerase and its cognate P-hsp20 promoter of <i>Mycobacterium tuberculosis</i> . Journal of Biomolecular Structure and Dynamics, 2016, 34, 792-799.	3.5	4
79	A Surfactant-Induced Functional Modulation of a Global Virulence Regulator from <i>Staphylococcus aureus</i> . PLoS ONE, 2016, 11, e0151426.	2.5	3
80	A new selective chromogenic and turn-on fluorogenic probe for copper(II) in solution and vero cells: recognition of sulphide by [CuL]. Dalton Transactions, 2015, 44, 6490-6501.	3.3	68
81	A BODIPY/pyrene-based chemodosimetric fluorescent chemosensor for selective sensing of hydrazine in the gas and aqueous solution state and its imaging in living cells. RSC Advances, 2015, 5, 58228-58236.	3.6	46
82	MtrA, an essential response regulator of the MtrAB two-component system, regulates the transcription of resuscitation-promoting factor B of <i>Mycobacterium tuberculosis</i> . Microbiology (United Kingdom), 2015, 161, 1271-1281.	1.8	25
83	Production, Partial Purification and Some Bio-physicochemical Properties of EPS Produced by <i>Halomonas xianhensis</i> SUR308 Isolated from a Saltern Environment. Journal of Biologically Active Products From Nature, 2015, 5, 108-119.	0.3	8
84	Aminomethylpyrene-based imino-phenols as primary fluorescence switch-on sensors for Al ³⁺ in solution and in Vero cells and their complexes as secondary recognition ensembles toward pyrophosphate. RSC Advances, 2015, 5, 81203-81211.	3.6	28
85	An azodye rhodamine-based fluorescent and colorimetric probe specific for the detection of Pd ²⁺ in aqueous ethanolic solution: synthesis, XRD characterization, computational studies and imaging in live cells. Analyst, The, 2015, 140, 1229-1236.	3.5	36
86	Chemical and Thermal Unfolding of a Global Staphylococcal Virulence Regulator with a Flexible C-Terminal End. PLoS ONE, 2015, 10, e0122168.	2.5	11
87	Implication from the predicted docked interaction of sigma H and exploration of its interaction with RNA polymerase in <i>Mycobacterium tuberculosis</i> . Bioinformatics, 2015, 11, 296-301.	0.5	2
88	Screening and Production of Biodegradable Polyester Poly(3-hydroxybutyrate) by Bacteria Endophytic to <i>Brassica nigra</i> L.. British Biotechnology Journal, 2015, 7, 134-146.	0.4	1
89	Transcription inhibition by the depsipeptide antibiotic salinamide A. ELife, 2014, 3, e02451.	6.0	71
90	A pyrene thiazole conjugate as a ratiometric chemosensor with high selectivity and sensitivity for tin (Sn ⁴⁺) and its application in imaging live cells. RSC Advances, 2014, 4, 56605-56614.	3.6	16

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91	The N-Terminal Domain of the Repressor of Staphylococcus aureus Phage ϕ 11 Possesses an Unusual Dimerization Ability and DNA Binding Affinity. PLoS ONE, 2014, 9, e95012.	2.5	13
92	Interactions of sulfur oxidation repressor with its promoters involve different binding geometries. Archives of Microbiology, 2012, 194, 737-747.	2.2	3
93	The Sulfur Oxidation Operon Repressor Function is Influenced by the Product of its Adjacent Upstream ORF in Pseudaminobacter salicylatoxidans KCT001. Current Microbiology, 2012, 64, 259-264.	2.2	0
94	The dimeric repressor SoxR binds cooperatively to the promoter(s) regulating expression of the sulfur oxidation (sox) operon of Pseudaminobacter salicylatoxidans KCT001. Microbiology (United Kingdom) 10 Tf 50	2.2	3
95	The S4-intermediate pathway for the oxidation of thiosulfate by the chemolithoautotroph Tetrathioabacter kashmirensis and inhibition of tetrathionate oxidation by sulfite. Research in Microbiology, 2007, 158, 330-338.	2.1	54
96	A Novel Gene Cluster soxSRT Is Essential for the Chemolithotrophic Oxidation of Thiosulfate and Tetrathionate by Pseudaminobacter salicylatoxidans KCT001. Current Microbiology, 2006, 52, 267-273.	2.2	31
97	Tetrathioabacter kashmirensis gen. nov., sp. nov., a novel mesophilic, neutrophilic, tetrathionate-oxidizing, facultatively chemolithotrophic betaproteobacterium isolated from soil from a temperate orchard in Jammu and Kashmir, India. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 1779-1787.	1.7	58
98	Band Gap Tuning of Photo Fenton-like Fe ₃ O ₄ /C Catalyst through Oxygen Vacancies for Advanced Visible Light Photocatalysis. Materials Advances, 0, , .	5.4	15
99	Genomic Clues of a Multidrug-Resistant Bacterium from Cultured Domestic Silkworm (Bombyx mori) Tj ETQq1 1 0.784314 rgBT /Overl	0.6	1
100	Draft Genome Sequence of <i>Streptomyces</i> sp. Strain PSAA01, Isolated from the Soil of Eastern Himalayan Foothills. Microbiology Resource Announcements, 0, , .	0.6	1