

Maitree Bhattacharyya

List of Publications by Year in descending order

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59
papers

1,788
citations

279798

23
h-index

289244

40
g-index

60
all docs

60
docs citations

60
times ranked

2812
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of Platelet Physiology: Its Hemostatic and Nonhemostatic Role in Disease Pathogenesis. Scientific World Journal, The, 2014, 2014, 1-16.	2.1	227
2	Bioinformatic Approaches Including Predictive Metagenomic Profiling Reveal Characteristics of Bacterial Response to Petroleum Hydrocarbon Contamination in Diverse Environments. Scientific Reports, 2017, 7, 1108.	3.3	135
3	Antimicrobial activities of actinomycetes isolated from unexplored regions of Sundarbans mangrove ecosystem. BMC Microbiology, 2015, 15, 170.	3.3	90
4	Dynamics of Sundarban estuarine ecosystem: eutrophication induced threat to mangroves. Saline Systems, 2010, 6, 8.	2.0	87
5	Adiponectin: Probe of the molecular paradigm associating diabetes and obesity. World Journal of Diabetes, 2015, 6, 151.	3.5	86
6	Spatiotemporal Analysis of Bacterial Diversity in Sediments of Sundarbans Using Parallel 16S rRNA Gene Tag Sequencing. Microbial Ecology, 2015, 69, 500-511.	2.8	60
7	ESIPT and CHEF based highly sensitive and selective ratiometric sensor for Al ³⁺ with imaging in human blood cells. New Journal of Chemistry, 2015, 39, 8582-8587.	2.8	59
8	Isoniazid Induces Apoptosis Of Activated CD4+ T Cells. Journal of Biological Chemistry, 2014, 289, 30190-30195.	3.4	51
9	Bacterial diversity assessment of pristine mangrove microbial community from Dhulibhashani, Sundarbans using 16S rRNA gene tag sequencing. Genomics Data, 2016, 7, 76-78.	1.3	49
10	Nanoparticle-Formulated Curcumin Prevents Posttherapeutic Disease Reactivation and Reinfection with Mycobacterium tuberculosis following Isoniazid Therapy. Frontiers in Immunology, 2017, 8, 739.	4.8	48
11	Diversity and Distribution of Archaea in the Mangrove Sediment of Sundarbans. Archaea, 2015, 2015, 1-14.	2.3	47
12	Anthropogenic influence shapes the distribution of antibiotic resistant bacteria (ARB) in the sediment of Sundarban estuary in India. Science of the Total Environment, 2019, 647, 1626-1639.	8.0	44
13	Detection of HSO ₃ ⁻ : A Rapid Colorimetric and Fluorimetric Selective Sensor for Detecting Biological SO ₂ in Food and Living Cells. ACS Omega, 2017, 2, 8633-8639.	3.5	43
14	Is autophagy associated with diabetes mellitus and its complications? A review. EXCLI Journal, 2018, 17, 709-720.	0.7	42
15	A rhodamine-quinoline based chemodosimeter capable of recognising endogenous OCl ⁻ in human blood cells. RSC Advances, 2014, 4, 24881-24886.	3.6	40
16	Interaction of KRAS G-quadruplex with natural polyphenols: A spectroscopic analysis with molecular modeling. International Journal of Biological Macromolecules, 2016, 89, 228-237.	7.5	39
17	Green-fabrication of gold nanomaterials using Staphylococcus warneri from Sundarbans estuary: an effective recyclable nanocatalyst for degrading nitro aromatic pollutants. Environmental Science and Pollution Research, 2018, 25, 2331-2349.	5.3	38
18	Spectroscopic Studies on Dual Role of Natural Flavonoids in Detoxification of Lead Poisoning: Bench-to-Bedside Preclinical Trial. ACS Omega, 2018, 3, 15975-15987.	3.5	33

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19	Changing bacterial profile of Sundarbans, the world heritage mangrove: Impact of anthropogenic interventions. <i>World Journal of Microbiology and Biotechnology</i> , 2015, 31, 593-610.	3.6	32
20	Physicochemical and biological factors controlling water column metabolism in Sundarbans estuary, India. <i>Aquatic Biosystems</i> , 2012, 8, 26.	1.8	31
21	A green chemical approach for biotransformation of Cr(VI) to Cr(III), utilizing <i>Fusarium</i> sp. MMT1 and consequent structural alteration of cell morphology. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 424-433.	6.7	29
22	An insight to the binding of ellagic acid with human serum albumin using spectroscopic and isothermal calorimetry studies. <i>Biochemistry and Biophysics Reports</i> , 2017, 10, 88-93.	1.3	29
23	Analysis of curcumin interaction with human serum albumin using spectroscopic studies with molecular simulation. <i>Frontiers in Biology</i> , 2017, 12, 199-209.	0.7	27
24	Targeting and Imaging of Mitochondria Using Near-Infrared Cyanine Dye and Its Application to Multicolor Imaging. <i>ACS Omega</i> , 2019, 4, 14579-14588.	3.5	24
25	Cataloguing the bacterial diversity of the Sundarbans mangrove, India in the light of metagenomics. <i>Genomics Data</i> , 2015, 4, 90-92.	1.3	23
26	Trehalose induced structural modulation of Bovine Serum Albumin at ambient temperature. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 645-655.	7.5	22
27	Porphyryns to restrict progression of pancreatic cancer by stabilizing KRAS G-quadruplex: In silico, in vitro and in vivo validation of anticancer strategy. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 125, 39-53.	4.0	22
28	Redox nanomedicine ameliorates chronic kidney disease (CKD) by mitochondrial reconditioning in mice. <i>Communications Biology</i> , 2021, 4, 1013.	4.4	22
29	Spatio-temporal variability and source identification for metal contamination in the river sediment of Indian Sundarbans, a world heritage site. <i>Environmental Science and Pollution Research</i> , 2018, 25, 31326-31345.	5.3	21
30	Skeletal Muscle Dystrophy mutant of lamin A alters the structure and dynamics of the Ig fold domain. <i>Scientific Reports</i> , 2018, 8, 13793.	3.3	20
31	Adiponectin Genetic Variant and Expression Coupled with Lipid Peroxidation Reveal New Signatures in Diabetic Dyslipidemia. <i>Biochemical Genetics</i> , 2021, 59, 781-798.	1.7	20
32	Oral drug delivery using a polymeric nanocarrier: chitosan nanoparticles in the delivery of rifampicin. <i>Materials Advances</i> , 2022, 3, 4622-4628.	5.4	20
33	A novel sensor to estimate the prevalence of hypochlorous (HOCl) toxicity in individuals with type 2 diabetes and dyslipidemia. <i>Clinica Chimica Acta</i> , 2016, 458, 144-153.	1.1	16
34	Eugenol restricts Cancer Stem Cell population by degradation of β -catenin via N-terminal Ser37 phosphorylation-an in vivo and in vitro experimental evaluation. <i>Chemico-Biological Interactions</i> , 2020, 316, 108938.	4.0	16
35	Supramolecular β -Sheet Forming Peptide Conjugated with Near-Infrared Chromophore for Selective Targeting, Imaging, and Dysfunction of Mitochondria. <i>Bioconjugate Chemistry</i> , 2020, 31, 1301-1306.	3.6	16
36	Autophagy protects peripheral blood mononuclear cells against inflammation, oxidative and nitrosative stress in diabetic dyslipidemia. <i>Free Radical Biology and Medicine</i> , 2019, 143, 309-323.	2.9	15

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37	FRET based ratiometric switch for selective sensing of Al ³⁺ with bio-imaging in human peripheral blood mononuclear cells. <i>New Journal of Chemistry</i> , 2021, 45, 1853-1862.	2.8	15
38	Eugenol emerges as an elixir by targeting β -catenin, the central cancer stem cell regulator in lung carcinogenesis: an <i>in vivo</i> and <i>in vitro</i> rationale. <i>Food and Function</i> , 2021, 12, 1063-1078.	4.6	15
39	Dielectric properties of plasma membrane: A signature for dyslipidemia in diabetes mellitus. <i>Archives of Biochemistry and Biophysics</i> , 2017, 635, 27-36.	3.0	14
40	Pyrosequencing based profiling of the bacterial community in the Chilika Lake, the largest lagoon of India. <i>Genomics Data</i> , 2015, 4, 112-114.	1.3	13
41	Supramolecular Dipeptide-Based Near-Infrared Fluorescent Nanotubes for Cellular Mitochondria Targeted Imaging and Early Apoptosis. <i>Bioconjugate Chemistry</i> , 2021, 32, 833-841.	3.6	13
42	Signature biomarkers in Diabetes Mellitus and associated Cardiovascular diseases. <i>Clinical Hemorheology and Microcirculation</i> , 2015, 59, 67-81.	1.7	11
43	Metagenomic exploration of the bacterial community structure at Paradip Port, Odisha, India. <i>Genomics Data</i> , 2016, 7, 94-96.	1.3	11
44	Selective binding of divalent cations toward heme proteins. <i>Frontiers in Biology</i> , 2016, 11, 32-42.	0.7	9
45	Nuclear factor NF- κ B1 functional promoter polymorphism and its expression conferring the risk of Type 2 diabetes-associated dyslipidemia. <i>Mammalian Genome</i> , 2020, 31, 252-262.	2.2	9
46	Spectroscopic Studies on the Biomolecular Recognition of Toluidine Blue: Key Information Towards Development of a Non-Contact, Non-Invasive Device for Oral Cancer Detection. <i>Frontiers in Oncology</i> , 2020, 10, 529132.	2.8	8
47	Protective effects of curcumin against gamma ray induced conformational change of human serum albumin. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 600-607.	7.5	7
48	Implications and Assessment of the Elastic Behavior of Lamins in Laminopathies. <i>Cells</i> , 2016, 5, 37.	4.1	6
49	Transition Metal Induced Conformational Change of Heme Proteins. <i>Spectroscopy Letters</i> , 2015, 48, 324-330.	1.0	5
50	Changes in the Nuclear Envelope in Laminopathies. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1112, 31-38.	1.6	5
51	Protein assembled nano-vehicle entrapping photosensitizer molecules for efficient lung carcinoma therapy. <i>International Journal of Pharmaceutics</i> , 2020, 580, 119192.	5.2	5
52	An excited state intramolecular proton transfer induced phosphate ion targeted ratiometric fluorescent switch to monitor phosphate ions in human peripheral blood mononuclear cells. <i>Dalton Transactions</i> , 2022, 51, 10779-10786.	3.3	5
53	A novel peptide interferes with <i>Mycobacterium tuberculosis</i> virulence and survival. <i>FEBS Open Bio</i> , 2014, 4, 735-740.	2.3	3
54	Microbial diversity and related secondary metabolite gene assortment at an estuarine mangrove ecosystem. <i>Regional Studies in Marine Science</i> , 2020, 34, 101051.	0.7	3

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55	The protective role of metformin in autophagic status in peripheral blood mononuclear cells of type 2 diabetic patients. <i>Cell Biology International</i> , 2020, 44, 1628-1639.	3.0	3
56	Protein-stabilized silver nanoparticles encapsulating gentamycin for the therapy of bacterial biofilm infections. <i>Nanomedicine</i> , 2021, 16, 801-818.	3.3	3
57	Association of MTHFR 677C>T genetic polymorphism with hyperhomocysteinemia in type 2 diabetes patients. <i>Cogent Medicine</i> , 2015, 2, 1017973.	0.7	2
58	Synthesis and characterization of a nano-formulation for long lasting sterilization effect. <i>Materials Today: Proceedings</i> , 2021, , .	1.8	0
59	Inorganic-Organic Synergy in Nano-hybrids makes a New Class of Drug with Targeted Delivery: Glutamate Functionalization of Iron Nanoparticles for Potential Bone Marrow Delivery and X-ray Dynamic Therapy. <i>Current Drug Delivery</i> , 2022, 19, .	1.6	0