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	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. Current Drug Delivery, 2022, 19, .	1.6	0
2	Oral drug delivery using a polymeric nanocarrier: chitosan nanoparticles in the delivery of rifampicin. Materials Advances, 2022, 3, 4622-4628.	5.4	20
3	An excited state intramolecular proton transfer induced phosphate ion targeted ratiometric fluorescent switch to monitor phosphate ions in human peripheral blood mononuclear cells. Dalton Transactions, 2022, 51, 10779-10786.	3.3	5
4	FRET based ratiometric switch for selective sensing of Al³⁺ with bio-imaging in human peripheral blood mononuclear cells. New Journal of Chemistry, 2021, 45, 1853-1862.	2.8	15
5	Adiponectin Genetic Variant and Expression Coupled with Lipid Peroxidation Reveal New Signatures in Diabetic Dyslipidemia. Biochemical Genetics, 2021, 59, 781-798.	1.7	20
6	Supramolecular Dipeptide-Based Near-Infrared Fluorescent Nanotubes for Cellular Mitochondria Targeted Imaging and Early Apoptosis. Bioconjugate Chemistry, 2021, 32, 833-841.	3.6	13
7	Protein-stabilized silver nanoparticles encapsulating gentamycin for the therapy of bacterial biofilm infections. Nanomedicine, 2021, 16, 801-818.	3.3	3
8	Synthesis and characterization of a nano-formulation for long lasting sterilization effect. Materials Today: Proceedings, 2021, , .	1.8	0
9	Redox nanomedicine ameliorates chronic kidney disease (CKD) by mitochondrial reconditioning in mice. Communications Biology, 2021, 4, 1013.	4.4	22
10	Eugenol emerges as an elixir by targeting Î²-catenin, the central cancer stem cell regulator in lung carcinogenesis: anin vivoandin vitrorationale. Food and Function, 2021, 12, 1063-1078.	4.6	15
11	Eugenol restricts Cancer Stem Cell population by degradation of Î²-catenin via N-terminal Ser37 phosphorylation-an in vivo and in vitro experimental evaluation. Chemico-Biological Interactions, 2020, 316, 108938.	4.0	16
12	Microbial diversity and related secondary metabolite gene assortment at an estuarine mangrove ecosystem. Regional Studies in Marine Science, 2020, 34, 101051.	0.7	3
13	Spectroscopic Studies on the Biomolecular Recognition of Toluidine Blue: Key Information Towards Development of a Non-Contact, Non-Invasive Device for Oral Cancer Detection. Frontiers in Oncology, 2020, 10, 529132.	2.8	8
14	Nuclear factor NF-Î°B1 functional promoter polymorphism and its expression conferring the risk of Type 2 diabetes-associated dyslipidemia. Mammalian Genome, 2020, 31, 252-262.	2.2	9
15	Supramolecular Î²-Sheet Forming Peptide Conjugated with Near-Infrared Chromophore for Selective Targeting, Imaging, and Dysfunction of Mitochondria. Bioconjugate Chemistry, 2020, 31, 1301-1306.	3.6	16
16	Protein assembled nano-vehicle entrapping photosensitizer molecules for efficient lung carcinoma therapy. International Journal of Pharmaceutics, 2020, 580, 119192.	5.2	5
17	The protective role of metformin in autophagic status in peripheral blood mononuclear cells of type 2 diabetic patients. Cell Biology International, 2020, 44, 1628-1639.	3.0	3
18	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

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19	Autophagy protects peripheral blood mononuclear cells against inflammation, oxidative and nitrosative stress in diabetic dyslipidemia. Free Radical Biology and Medicine, 2019, 143, 309-323.	2.9	15
20	Targeting and Imaging of Mitochondria Using Near-Infrared Cyanine Dye and Its Application to Multicolor Imaging. ACS Omega, 2019, 4, 14579-14588.	3.5	24
21	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
22	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
23	Changes in the Nuclear Envelope in Laminopathies. Advances in Experimental Medicine and Biology, 2018, 1112, 31-38.	1.6	5
24	Skeletal Muscle Dystrophy mutant of lamin A alters the structure and dynamics of the Ig fold domain. Scientific Reports, 2018, 8, 13793.	3.3	20
25	Spatio-temporal variability and source identification for metal contamination in the river sediment of Indian Sundarbans, a world heritage site. Environmental Science and Pollution Research, 2018, 25, 31326-31345.	5.3	21
26	Porphyrins to restrict progression of pancreatic cancer by stabilizing KRAS G-quadruplex: In silico, in vitro and in vivo validation of anticancer strategy. European Journal of Pharmaceutical Sciences, 2018, 125, 39-53.	4.0	22
27	Is autophagy associated with diabetes mellitus and its complications? A review. EXCLI Journal, 2018, 17, 709-720.	0.7	42
28	Protective effects of curcumin against gamma ray induced conformational change of human serum albumin. International Journal of Biological Macromolecules, 2017, 99, 600-607.	7.5	7
29	Analysis of curcumin interaction with human serum albumin using spectroscopic studies with molecular simulation. Frontiers in Biology, 2017, 12, 199-209.	0.7	27
30	An insight to the binding of ellagic acid with human serum albumin using spectroscopic and isothermal calorimetry studies. Biochemistry and Biophysics Reports, 2017, 10, 88-93.	1.3	29
31	Dielectric properties of plasma membrane: A signature for dyslipidemia in diabetes mellitus. Archives of Biochemistry and Biophysics, 2017, 635, 27-36.	3.0	14
32	Trehalose induced structural modulation of Bovine Serum Albumin at ambient temperature. International Journal of Biological Macromolecules, 2017, 105, 645-655.	7.5	22
33	Detection of HSO₃^{â€“}: A Rapid Colorimetric and Fluorimetric Selective Sensor for Detecting Biological SO₂ in Food and Living Cells. ACS Omega, 2017, 2, 8633-8639.	3.5	43
34	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
35	Nanoparticle-Formulated Curcumin Prevents Posttherapeutic Disease Reactivation and Reinfection with Mycobacterium tuberculosis following Isoniazid Therapy. Frontiers in Immunology, 2017, 8, 739.	4.8	48
36	Implications and Assessment of the Elastic Behavior of Lamins in Laminopathies. Cells, 2016, 5, 37.	4.1	6

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37	Selective binding of divalent cations toward heme proteins. Frontiers in Biology, 2016, 11, 32-42.	0.7	9
38	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
39	A novel sensor to estimate the prevalence of hypochlorous (HOCl) toxicity in individuals with type 2 diabetes and dyslipidemia. Clinica Chimica Acta, 2016, 458, 144-153.	1.1	16
40	Metagenomic exploration of the bacterial community structure at Paradip Port, Odisha, India. Genomics Data, 2016, 7, 94-96.	1.3	11
41	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
42	Adiponectin: Probe of the molecular paradigm associating diabetes and obesity. World Journal of Diabetes, 2015, 6, 151.	3.5	86
43	Diversity and Distribution of Archaea in the Mangrove Sediment of Sundarbans. Archaea, 2015, 2015, 1-14.	2.3	47
44	Association of MTHFR 677C>T genetic polymorphism with hyperhomocysteinemia in type 2 diabetes patients. Cogent Medicine, 2015, 2, 1017973.	0.7	2
45	Changing bacterial profile of Sundarbans, the world heritage mangrove: Impact of anthropogenic interventions. World Journal of Microbiology and Biotechnology, 2015, 31, 593-610.	3.6	32
46	Signature biomarkers in Diabetes Mellitus and associated Cardiovascular diseases. Clinical Hemorheology and Microcirculation, 2015, 59, 67-81.	1.7	11
47	Transition Metal Induced Conformational Change of Heme Proteins. Spectroscopy Letters, 2015, 48, 324-330.	1.0	5
48	Cataloguing the bacterial diversity of the Sundarbans mangrove, India in the light of metagenomics. Genomics Data, 2015, 4, 90-92.	1.3	23
49	Pyrosequencing based profiling of the bacterial community in the Chilika Lake, the largest lagoon of India. Genomics Data, 2015, 4, 112-114.	1.3	13
50	Antimicrobial activities of actinomycetes isolated from unexplored regions of Sundarbans mangrove ecosystem. BMC Microbiology, 2015, 15, 170.	3.3	90
51	ESIPT and CHEF based highly sensitive and selective ratiometric sensor for Al³⁺ with imaging in human blood cells. New Journal of Chemistry, 2015, 39, 8582-8587.	2.8	59
52	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
53	Overview of Platelet Physiology: Its Hemostatic and Nonhemostatic Role in Disease Pathogenesis. Scientific World Journal, The, 2014, 2014, 1-16.	2.1	227
54	A novel peptide interferes with Mycobacterium tuberculosis virulence and survival. FEBS Open Bio, 2014, 4, 735-740.	2.3	3

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55	Isoniazid Induces Apoptosis Of Activated CD4+ T Cells. Journal of Biological Chemistry, 2014, 289, 30190-30195.	3.4	51
56	A rhodamineâ€“quinoline based chemodosimeter capable of recognising endogenous OCl^{â˜} in human blood cells. RSC Advances, 2014, 4, 24881-24886.	3.6	40
57	A green chemical approach for biotransformation of Cr(VI) to Cr(III), utilizing Fusarium sp. MMT1 and consequent structural alteration of cell morphology. Journal of Environmental Chemical Engineering, 2014, 2, 424-433.	6.7	29
58	Physicochemical and biological factors controlling water column metabolism in Sundarbans estuary, India. Aquatic Biosystems, 2012, 8, 26.	1.8	31
59	Dynamics of Sundarban estuarine ecosystem: eutrophication induced threat to mangroves. Saline Systems, 2010, 6, 8.	2.0	87