

# Tridib K Bhowmick

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

1,128  
citations

516710

16  
h-index

526287

27  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1520  
citing authors

#	ARTICLE	IF	CITATIONS
1	Downstream processing of microalgae for pigments, protein and carbohydrate in industrial application: A review. <i>Food and Bioproducts Processing</i> , 2018, 110, 60-84.	3.6	182
2	Progress toward isolation of strains and genetically engineered strains of microalgae for production of biofuel and other value added chemicals: A review. <i>Energy Conversion and Management</i> , 2016, 113, 104-118.	9.2	140
3	Effect of flow on endothelial endocytosis of nanocarriers targeted to ICAM-1. <i>Journal of Controlled Release</i> , 2012, 157, 485-492.	9.9	91
4	Enhanced endothelial delivery and biochemical effects of $\beta$ -galactosidase by ICAM-1-targeted nanocarriers for Fabry disease. <i>Journal of Controlled Release</i> , 2011, 149, 323-331.	9.9	84
5	Optimizing endothelial targeting by modulating the antibody density and particle concentration of anti-ICAM coated carriers. <i>Journal of Controlled Release</i> , 2011, 150, 37-44.	9.9	73
6	Enhanced delivery of $\beta$ -glucosidase for Pompe disease by ICAM-1-targeted nanocarriers: comparative performance of a strategy for three distinct lysosomal storage disorders. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012, 8, 731-739.	3.3	66
7	Extraction of chlorophylls and carotenoids from dry and wet biomass of isolated <i>Chlorella Thermophila</i> : Optimization of process parameters and modelling by artificial neural network. <i>Process Biochemistry</i> , 2020, 96, 58-72.	3.7	61
8	Intercellular Adhesion Molecule 1 Engagement Modulates Sphingomyelinase and Ceramide, Supporting Uptake of Drug Carriers by the Vascular Endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1178-1185.	2.4	59
9	Transport of nanocarriers across gastrointestinal epithelial cells by a new transcellular route induced by targeting ICAM-1. <i>Journal of Controlled Release</i> , 2012, 163, 25-33.	9.9	55
10	Physicochemical characterization of an Indian traditional medicine, Jasada Bhasma: detection of nanoparticles containing non-stoichiometric zinc oxide. <i>Journal of Nanoparticle Research</i> , 2009, 11, 655-664.	1.9	52
11	Comparative binding, endocytosis, and biodistribution of antibodies and antibody-coated carriers for targeted delivery of lysosomal enzymes to ICAM-1 versus transferrin receptor. <i>Journal of Inherited Metabolic Disease</i> , 2013, 36, 467-477.	3.6	49
12	Priority-based multiple products from microalgae: review on techniques and strategies. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 590-607.	9.0	40
13	Biological Functionalization of Drug Delivery Carriers To Bypass Size Restrictions of Receptor-Mediated Endocytosis Independently from Receptor Targeting. <i>ACS Nano</i> , 2013, 7, 10597-10611.	14.6	29
14	Enhancing Biodistribution of Therapeutic Enzymes <i>In Vivo</i> by Modulating Surface Coating and Concentration of ICAM-1-Targeted Nanocarriers. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 345-354.	1.1	23
15	Effect of macronutrient supplements on growth and biochemical compositions in photoautotrophic cultivation of isolated <i>Asterarcys</i> sp. (BTA9034). <i>Energy Conversion and Management</i> , 2017, 149, 39-51.	9.2	22
16	Effects of carbon, nitrogen, and phosphorus supplements on growth and biochemical composition of <i>Podohedriella</i> sp. (MCC44) isolated from northeast India. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, e13378.	2.3	18
17	Intertwined mechanisms define transport of anti-ICAM nanocarriers across the endothelium and brain delivery of a therapeutic enzyme. <i>Journal of Controlled Release</i> , 2020, 324, 181-193.	9.9	14
18	Biochemical characterization of microalgae collected from north east region of India advancing towards the algae-based commercial production. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2017, 12, 745-754.	1.5	13

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19	Effect of different illumination patterns on the growth and biomolecular synthesis of isolated <i>Chlorella Thermophila</i> in a 50 L pilot-scale photobioreactor. <i>Process Biochemistry</i> , 2021, 109, 87-97.	3.7	13
20	In vitro effects of cisplatin-functionalized silica nanoparticles on chondrocytes. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2757-2770.	1.9	10
21	Green extraction of biomolecules from algae using subcritical and supercritical fluids. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	10
22	Indian Traditional Medicine Jasada Bhasma and Other Zinc-Containing Nanoparticles Alleviate Reactive Oxygen Species-Mediated Cell Damage in <i>Saccharomyces cerevisiae</i> . <i>International Journal of Green Nanotechnology Biomedicine</i> , 2009, 1, 69-89.	0.4	5
23	Acid hydrolysis of the waste newspaper: Comparison of process variables for finding the best condition to produce quality fermentable sugars. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104345.	6.7	5
24	A sustainable approach to enhance fruit shelf-life: Edible coating from pineapple fruit waste biomass. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50388.	2.6	5
25	Enhancement of growth and biomolecules (carbohydrates, proteins, and chlorophylls) of isolated <i>Chlorella thermophila</i> using optimization tools. <i>Preparative Biochemistry and Biotechnology</i> , 2022, 52, 1173-1189.	1.9	3
26	Diverse Cyanobacteria Resource from North East Region of India for Valuable Biomolecules: Phycobiliprotein, Carotenoid, Carbohydrate and Lipid. <i>Current Biochemical Engineering</i> , 2019, 5, 21-33.	1.3	2
27	Extraction of carbohydrates and proteins from algal resources using supercritical and subcritical fluids for high-quality products. , 2022, , 249-275.		2
28	Cover Image, Volume 138, Issue 15. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50497.	2.6	0
29	A Novel Mechanism of Transcytosis of Drug Carriers Across Gastrointestinal Epithelial Cells Mediated by ICAM-1. <i>FASEB Journal</i> , 2012, 26, 605.4.	0.5	0
30	Current status and challenges in biobutanol production. , 2018, , 237-262.		0
31	The choice of algae strain for the biofuel production: Native, genetically modified, and microbial consortia. , 2022, , 3-32.		0