

# Brajadulal Chattopadhyay

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

412  
citations

759233

12  
h-index

752698

20  
g-index

28  
all docs

28  
docs citations

28  
times ranked

486  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetically-enriched microbe-facilitated self-healing concrete – a sustainable material for a new generation of construction technology. RSC Advances, 2015, 5, 105363-105371.	3.6	49
2	Anti-microbial efficiency of nano silver–silica modified geopolymer mortar for eco-friendly green construction technology. RSC Advances, 2015, 5, 64037-64045.	3.6	46
3	Bioremediase a unique protein from a novel bacterium BKH1, ushering a new hope in concrete technology. Enzyme and Microbial Technology, 2010, 46, 581-587.	3.2	42
4	Development of an improved E. coli bacterial strain for green and sustainable concrete technology. RSC Advances, 2015, 5, 32175-32182.	3.6	38
5	Bacterial (BKH1) assisted silica nanoparticles from silica rich substrates: A facile and green approach for biotechnological applications. Colloids and Surfaces B: Biointerfaces, 2015, 126, 245-250.	5.0	36
6	Autonomous bioremediation of a microbial protein (bioremediase) in Pozzolana cementitious composite. Journal of Materials Science, 2014, 49, 4461-4468.	3.7	30
7	Use of Bacterial Protein Powder in Commercial Fly Ash Pozzolana Cements for High Performance Construction Materials. Open Journal of Civil Engineering, 2012, 02, 218-228.	0.5	26
8	Comparative analysis of microbial diversity in two hot springs of Bakreshwar, West Bengal, India. Genomics Data, 2017, 12, 122-129.	1.3	18
9	SOCS3 dictates the transition of divergent time-phased events in granulocyte TNF- $\alpha$ signaling. Cellular and Molecular Immunology, 2014, 11, 105-106.	10.5	15
10	Protein dependent fate of hepatic cells under nicotine induced stress and curcumin ameliorated condition. European Journal of Pharmacology, 2012, 684, 132-145.	3.5	14
11	Bacterium-incorporated fly ash geopolymer: a high-performance, thermo-stable cement alternative for future construction material. Clean Technologies and Environmental Policy, 2019, 21, 1779-1789.	4.1	14
12	Ameliorative effect of sesame lignans on nicotine toxicity in rats. Food and Chemical Toxicology, 2010, 48, 3215-3220.	3.6	13
13	Environmental bacteria engineered piezoelectric bio-organic energy harvester towards clinical applications. Nano Energy, 2022, 93, 106843.	16.0	12
14	Curcumin protects against nicotine-induced stress during protein malnutrition in female rat through immunomodulation with cellular amelioration. Molecular Biology Reports, 2015, 42, 1623-1637.	2.3	10
15	An alkaliphilic bacterium <sc>BKH</sc> 4 of Bakreshwar hot spring pertinent to bioconcrete technology. Journal of Applied Microbiology, 2019, 126, 1742-1750.	3.1	10
16	Participatory role of zinc in structural and functional characterization of bioremediase: a unique thermostable microbial silica leaching protein. Journal of Biological Inorganic Chemistry, 2015, 20, 791-803.	2.6	9
17	Synergistic improved efficacy of Gymnadenia orchidis root Salep and pumpkin seed on induced diabetic complications. Diabetes Research and Clinical Practice, 2018, 146, 278-288.	2.8	7
18	Genetically-enriched microbe-facilitated self-healing nano-concrete. , 2020, , 461-483.		7

#	ARTICLE	IF	CITATIONS
19	Potential amelioration of nicotine-induced toxicity by nanocurcumin. Drug Development Research, 2018, 79, 119-128.	2.9	5
20	Bacterium amended 100% fly ash geopolymer. AIP Conference Proceedings, 2019, , .	0.4	4
21	Phylogenetic Characterization of BKH3 Bacterium Isolated from a Hot Spring Consortium of Bakreshwar (India) and Its Application. Advances in Microbiology, 2016, 06, 453-461.	0.6	4
22	An Approach to Screen Genotoxic-Susceptible Diabetic Population of Various <i>Prakriti</i> Groups for Personalized Disease Management. Journal of Alternative and Complementary Medicine, 2021, 27, 80-87.	2.1	1
23	Therapeutic Implications of <i>Gymnadenia Orchidis</i> Lindl Root Salep Against Induced-Diabetes. American Journal of PharmTech Research, 2018, 8, 263-281.	0.2	1
24	Removal of Lead Contamination through the Formation of Lead-Nanoplates by a Hot Spring Microbial Protein. Advances in Microbiology, 2021, 11, 681-693.	0.6	1
25	Protein promoted $\beta^2$ -phase nucleation in poly (vinylidene fluoride) for energy harvesting applications. AIP Conference Proceedings, 2019, , .	0.4	0
26	Identified Hybrid tRNA Structure Genes in Archaeal Genome. Iranian Journal of Biotechnology, 2019, 17, 1-8.	0.3	0
27	Evaluation of Self-Healing Attribute of an Alkaliphilic Microbial Protein in Cementitious Mortars. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	0
28	Amelioration of related complications by the combined usage of <i>Gymnadenia orchidis Lindl</i> and pumpkin seed in type 2 diabetic mice. Journal of Complementary and Integrative Medicine, 2021, .	0.9	0