

Pritam Kumar Dikshit

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,052
citations

471061

17
h-index

525886

27
g-index

28
all docs

28
docs citations

28
times ranked

889
citing authors

#	ARTICLE	IF	CITATIONS
1	Green Synthesis of Metallic Nanoparticles: Applications and Limitations. <i>Catalysts</i> , 2021, 11, 902.	1.6	237
2	Production, ultrasonic extraction, and characterization of poly (3-hydroxybutyrate) (PHB) using <i>Bacillus megaterium</i> and <i>Cupriavidus necator</i> . <i>Polymers for Advanced Technologies</i> , 2018, 29, 2392-2400.	1.6	82
3	Microbial production, ultrasound-assisted extraction and characterization of biopolymer polyhydroxybutyrate (PHB) from terrestrial (<i>P. hysterophorus</i>) and aquatic (<i>E. crassipes</i>) invasive weeds. <i>Bioresource Technology</i> , 2017, 242, 304-310.	4.8	81
4	Ultrasound assisted biodesulfurization of liquid fuel using free and immobilized cells of <i>Rhodococcus rhodochrous</i> MTCC 3552: A mechanistic investigation. <i>Bioresource Technology</i> , 2015, 187, 369-378.	4.8	77
5	Physical insight into ultrasound-assisted biodesulfurization using free and immobilized cells of <i>Rhodococcus rhodochrous</i> MTCC 3552. <i>Chemical Engineering Journal</i> , 2016, 295, 254-267.	6.6	45
6	Recent progress in polymeric non-invasive insulin delivery. <i>International Journal of Biological Macromolecules</i> , 2022, 203, 222-243.	3.6	45
7	Recent nanobiotechnological advancements in lignocellulosic biomass valorization: A review. <i>Journal of Environmental Management</i> , 2021, 297, 113422.	3.8	43
8	Optimization of 1,3-dihydroxyacetone production from crude glycerol by immobilized <i>Gluconobacter oxydans</i> MTCC 904. <i>Bioresource Technology</i> , 2016, 216, 1058-1065.	4.8	42
9	Current Trends and Future Prospects of Nanotechnology in Biofuel Production. <i>Catalysts</i> , 2021, 11, 1308.	1.6	41
10	Investigations in sonication-induced intensification of crude glycerol fermentation to dihydroxyacetone by free and immobilized <i>Gluconobacter oxydans</i> . <i>Bioresource Technology</i> , 2018, 256, 302-311.	4.8	36
11	Bacterial cellulose production from biodiesel-derived crude glycerol, magnetic functionalization, and its application as carrier for lipase immobilization. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 902-911.	3.6	35
12	Process optimization and analysis of product inhibition kinetics of crude glycerol fermentation for 1,3-Dihydroxyacetone production. <i>Bioresource Technology</i> , 2017, 244, 362-370.	4.8	32
13	Recent development in bacterial cellulose production and synthesis of cellulose based conductive polymer nanocomposites. <i>Nano Select</i> , 2021, 2, 1605-1628.	1.9	32
14	Kinetic analysis of dihydroxyacetone production from crude glycerol by immobilized cells of <i>Gluconobacter oxydans</i> MTCC 904. <i>Bioresource Technology</i> , 2016, 216, 948-957.	4.8	31
15	Bioenergy from rice crop residues: role in developing economies. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 373-394.	2.1	28
16	Biological conversion of lignin and its derivatives to fuels and chemicals. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 387-401.	1.2	24
17	Green in situ immobilization of gold and silver nanoparticles on bacterial nanocellulose film using <i>Punica granatum</i> peels extract and their application as reusable catalysts. <i>International Journal of Biological Macromolecules</i> , 2022, 205, 169-177.	3.6	23
18	Co-fermentation of agricultural and industrial waste by <i>Naganishia albida</i> for microbial lipid production in fed-batch fermentation. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 813-821.	1.6	17

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19	Purification and characterization of acidic cellulase from <i>Bacillus amyloliquefaciens</i> SS35 for hydrolyzing <i>Parthenium hysterophorus</i> biomass. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 810-818.	1.3	15
20	Batch and Repeated-Batch Fermentation for 1,3-Dihydroxyacetone Production from Waste Glycerol Using Free, Immobilized and Resting <i>Gluconobacter oxydans</i> Cells. <i>Waste and Biomass Valorization</i> , 2019, 10, 2455-2465.	1.8	15
21	Production, Characterization, and Applications of Biodegradable Polymer: Polyhydroxyalkanoates. <i>Materials Horizons</i> , 2020, , 51-94.	0.3	15
22	Rapid and reusable detection of hydrogen peroxide using polyurethane scaffold incorporated with cerium oxide nanoparticles. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 2143-2152.	1.2	12
23	Catalytic activity of magnetic iron oxide nanoparticles for hydrogen peroxide decomposition: optimization and characterization. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2495-2508.	1.6	12
24	Recent Developments in Bacterial Nanocellulose Production and its Biomedical Applications. <i>Journal of Polymers and the Environment</i> , 2022, 30, 4040-4067.	2.4	12
25	Valorization of Waste Glycerol to Dihydroxyacetone with Biocatalysts Obtained from <i>Gluconobacter oxydans</i> . <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2517.	1.3	11
26	Recent developments in landfill leachate treatment: Aerobic granular reactor and its future prospects. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 18, 100689.	1.7	6
27	Production of 7,10-dihydroxy-8(E)-octadecenoic acid using cell-free supernatant of <i>Pseudomonas aeruginosa</i> . <i>Enzyme and Microbial Technology</i> , 2021, 150, 109892.	1.6	2
28	Extraction and characterization of lignin from waste invasive weeds with dioxane-based process. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	1