

Manish Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

822
citations

687220

13
h-index

794469

19
g-index

29
all docs

29
docs citations

29
times ranked

1056
citing authors

#	ARTICLE	IF	CITATIONS
1	Multifaceted production strategies and applications of glucosamine: a comprehensive review. <i>Critical Reviews in Biotechnology</i> , 2023, 43, 100-120.	5.1	1
2	Myco-chitinases as versatile biocatalysts for translation of coastal residual resources to eco-competent chito-bioactives. <i>Fungal Biology Reviews</i> , 2022, 41, 52-69.	1.9	2
3	RNA Interference and CRISPR/Cas Gene Editing for Crop Improvement: Paradigm Shift towards Sustainable Agriculture. <i>Plants</i> , 2021, 10, 1914.	1.6	17
4	Chemoenzymatic production of chitooligosaccharides employing ionic liquids and <i>Thermomyces lanuginosus</i> chitinase. <i>Bioresource Technology</i> , 2021, 337, 125399.	4.8	19
5	Insights into the genetic and metabolic engineering approaches to enhance the competence of microalgae as biofuel resource: A review. <i>Bioresource Technology</i> , 2021, 339, 125597.	4.8	53
6	Enzymatic degradation of lignocellulosic waste: bioremediation and industrial implementation. , 2021, , 163-191.		2
7	Extraction and Physicochemical Properties Assessment of Chitin and Chitosan from Fish Scales. <i>Macromolecular Symposia</i> , 2021, 399, 2100006.	0.4	4
8	Chemoenzymatic Production and Engineering of Chitooligosaccharides and N-acetyl Glucosamine for Refining Biological Activities. <i>Frontiers in Chemistry</i> , 2020, 8, 469.	1.8	14
9	Enhanced antibacterial potential of berberine via synergism with chitosan nanoparticles. <i>Materials Today: Proceedings</i> , 2020, 31, 640-645.	0.9	13
10	Phycoremediation coupled biomethane production employing sewage wastewater: Energy balance and feasibility analysis. <i>Bioresource Technology</i> , 2020, 308, 123292.	4.8	17
11	Enhanced glucosamine production through synergistic action of <i>Aspergillus terreus</i> chitozymes. <i>Journal of Cleaner Production</i> , 2020, 262, 121363.	4.6	10
12	Assessment of antibacterial and anticancer capability of silver nanoparticles extracellularly biosynthesized using <i>Aspergillus terreus</i> . <i>Nano Express</i> , 2020, 1, 030011.	1.2	8
13	Nanoparticles and Their Role in Bioenergy Production. <i>Nanotechnology in the Life Sciences</i> , 2020, , 227-254.	0.4	0
14	Lignocellulolytic and Chitinolytic Glycoside Hydrolases: Structure, Catalytic Mechanism, Directed Evolution and Industrial Implementation. , 2020, , 97-127.		0
15	Biotransformation of Chitinous Waste into Value-Added Products. , 2020, , 113-139.		1
16	Insect Chitin and Chitosan: Structure, Properties, Production, and Implementation Prospective. , 2020, , 51-66.		6
17	Comparative Appraisal of Biomass Production, Remediation, and Bioenergy Generation Potential of Microalgae in Dairy Wastewater. <i>Frontiers in Microbiology</i> , 2019, 10, 678.	1.5	35
18	Possibilities and perspectives of chitosan scaffolds and composites for tissue engineering. , 2019, , 167-203.		4

#	ARTICLE	IF	CITATIONS
19	Seafood waste: a source for preparation of commercially employable chitin/chitosan materials. <i>Bioresources and Bioprocessing</i> , 2019, 6, .	2.0	300
20	Phycoremediation of textile effluent-contaminated water bodies employing microalgae: nutrient sequestration and biomass production studies. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 7757-7768.	1.8	36
21	Structure, Regulation, and Potential Applications of Insect Chitin-Metabolizing Enzymes. , 2018, , 295-316.		5
22	Bioconversion of Chitin to Bioactive Chitooligosaccharides: Amelioration and Coastal Pollution Reduction by Microbial Resources. <i>Marine Biotechnology</i> , 2018, 20, 269-281.	1.1	31
23	Chitinasesâ€”Potential Candidates for Enhanced Plant Resistance towards Fungal Pathogens. <i>Agriculture (Switzerland)</i> , 2018, 8, 88.	1.4	117
24	Process optimization, purification and characterization of a novel acidic, thermostable chitinase from <i>Humicola grisea</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 116, 931-938.	3.6	31
25	Photoautotrophic microorganisms and bioremediation of industrial effluents: current status and future prospects. <i>3 Biotech</i> , 2017, 7, 18.	1.1	38
26	Production of chitinase from thermophilic <i>Humicola grisea</i> and its application in production of bioactive chitooligosaccharides. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 1641-1647.	3.6	47
27	Enhanced Biodegradation of Mobil Oil Hydrocarbons by Biosurfactant Producing Bacterial Consortium in Wheat and Mustard Rhizosphere. <i>Journal of Petroleum & Environmental Biotechnology</i> , 2013, 04, .	0.3	9