

Vishal Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

818
citations

687363
13
h-index

752698
20
g-index

22
all docs

22
docs citations

22
times ranked

967
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermostable microbial xylanases for pulp and paper industries: trends, applications and further perspectives. World Journal of Microbiology and Biotechnology, 2016, 32, 34.	3.6	112
2	Engineering Thermostable Microbial Xylanases Toward its Industrial Applications. Molecular Biotechnology, 2018, 60, 226-235.	2.4	109
3	Recent Developments in Systems Biology and Metabolic Engineering of Plant-Microbe Interactions. Frontiers in Plant Science, 2016, 7, 1421.	3.6	73
4	Xylanase production from Thermomyces lanuginosus VAPS-24 using low cost agro-industrial residues via hybrid optimization tools and its potential use for saccharification. Bioresource Technology, 2017, 243, 1009-1019.	9.6	73
5	Gene editing and genetic engineering approaches for advanced probiotics: A review. Critical Reviews in Food Science and Nutrition, 2018, 58, 1735-1746.	10.3	73
6	Improved biobleaching of mixed hardwood pulp and process optimization using novel GA-ANN and GA-ANFIS hybrid statistical tools. Bioresource Technology, 2019, 271, 274-282.	9.6	70
7	Isolation, characterization, and evaluation of bacterial root and nodule endophytes from chickpea cultivated in Northern India. Journal of Basic Microbiology, 2015, 55, 74-81.	3.3	69
8	Extracellular xylanase production from T. lanuginosus VAPS24 at pilot scale and thermostability enhancement by immobilization. Process Biochemistry, 2018, 71, 53-60.	3.7	39
9	Bioengineering of Nitrilases Towards Its Use as Green Catalyst: Applications and Perspectives. Indian Journal of Microbiology, 2017, 57, 131-138.	2.7	31
10	Recent technological advances in mechanism, toxicity, and food perspectives of enzyme-mediated aflatoxin degradation. Critical Reviews in Food Science and Nutrition, 2022, 62, 5395-5412.	10.3	29
11	Developing a sustainable bioprocess for the cleaner production of xylooligosaccharides: An approach towards lignocellulosic waste management. Journal of Cleaner Production, 2021, 316, 128332.	9.3	28
12	Recombinant Approaches for Microbial Xylanases: Recent Advances and Perspectives. Current Protein and Peptide Science, 2017, 19, 87-99.	1.4	23
13	Biosynthesis Pathways, Transport Mechanisms and Biotechnological Applications of Fungal Siderophores. Journal of Fungi (Basel, Switzerland), 2022, 8, 21.	3.5	18
14	Microbial Enzyme Engineering: Applications and Perspectives. , 2017, , 259-273.		12
15	Bioengineering for Microbial Inulinases: Trends and Applications. Current Protein and Peptide Science, 2017, 18, 966-972.	1.4	11
16	Lignocellulosic pretreatment-mediated phenolic by-products generation and their effect on the inhibition of an α -D-glucanase from Thermomyces lanuginosus VAPS-24. 3 Biotech, 2020, 10, 349.	2.2	10
17	Study on the Identification Methods for Effective Microorganisms in Commercially Available Organic Agriculture Materials. Microorganisms, 2020, 8, 1568.	3.6	8
18	Cellular antioxidant potential and inhibition of foodborne pathogens by a sesquiterpene ilimaquinone in cold stored ground chicken and under temperature-abuse condition. Food Chemistry, 2022, 373, 131392.	8.2	8

#	ARTICLE	IF	CITATIONS
19	Aflatoxin Reduction and Retardation of Aflatoxin Production by Microorganisms in Doenjang during a One-Year Fermentation. Journal of Fungi (Basel, Switzerland), 2022, 8, 190.	3.5	8
20	Functional Aspects of Xylanases Toward Industrial Applications. , 2016, , 157-165.		6
21	Tryptic Mapping Based Structural Insights of Endo-1, 4- β -Xylanase from <i>Thermomyces lanuginosus</i> VAPS-24. Indian Journal of Microbiology, 2020, 60, 392-395.	2.7	5
22	Thermostability and Substrate Specificity of GH-11 Xylanase from <i>Thermomyces lanuginosus</i> VAPS24. Indian Journal of Microbiology, 2018, 58, 515-519.	2.7	3