

# Vishal Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

818  
citations

687220

13  
h-index

752573

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. <i>World Journal of Microbiology and Biotechnology</i> , 2016, 32, 34.	1.7	112
2	Engineering Thermostable Microbial Xylanases Toward its Industrial Applications. <i>Molecular Biotechnology</i> , 2018, 60, 226-235.	1.3	109
3	Recent Developments in Systems Biology and Metabolic Engineering of Plant-Microbe Interactions. <i>Frontiers in Plant Science</i> , 2016, 7, 1421.	1.7	73
4	Xylanase production from <i>Thermomyces lanuginosus</i> VAPS-24 using low cost agro-industrial residues via hybrid optimization tools and its potential use for saccharification. <i>Bioresource Technology</i> , 2017, 243, 1009-1019.	4.8	73
5	Gene editing and genetic engineering approaches for advanced probiotics: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2018, 58, 1735-1746.	5.4	73
6	Improved biobleaching of mixed hardwood pulp and process optimization using novel GA-ANN and GA-ANFIS hybrid statistical tools. <i>Bioresource Technology</i> , 2019, 271, 274-282.	4.8	70
7	Isolation, characterization, and evaluation of bacterial root and nodule endophytes from chickpea cultivated in Northern India. <i>Journal of Basic Microbiology</i> , 2015, 55, 74-81.	1.8	69
8	Extracellular xylanase production from <i>T. lanuginosus</i> VAPS24 at pilot scale and thermostability enhancement by immobilization. <i>Process Biochemistry</i> , 2018, 71, 53-60.	1.8	39
9	Bioengineering of Nitrilases Towards Its Use as Green Catalyst: Applications and Perspectives. <i>Indian Journal of Microbiology</i> , 2017, 57, 131-138.	1.5	31
10	Recent technological advances in mechanism, toxicity, and food perspectives of enzyme-mediated aflatoxin degradation. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 5395-5412.	5.4	29
11	Developing a sustainable bioprocess for the cleaner production of xylooligosaccharides: An approach towards lignocellulosic waste management. <i>Journal of Cleaner Production</i> , 2021, 316, 128332.	4.6	28
12	Recombinant Approaches for Microbial Xylanases: Recent Advances and Perspectives. <i>Current Protein and Peptide Science</i> , 2017, 19, 87-99.	0.7	23
13	Biosynthesis Pathways, Transport Mechanisms and Biotechnological Applications of Fungal Siderophores. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 21.	1.5	18
14	Microbial Enzyme Engineering: Applications and Perspectives. , 2017, , 259-273.		12
15	Bioengineering for Microbial Inulinases: Trends and Applications. <i>Current Protein and Peptide Science</i> , 2017, 18, 966-972.	0.7	11
16	Lignocellulosic pretreatment-mediated phenolic by-products generation and their effect on the inhibition of an $\alpha$ -D-xylo-1,4-galacturonidase from <i>Thermomyces lanuginosus</i> VAPS-24. <i>3 Biotech</i> , 2020, 10, 349.	1.1	10
17	Study on the Identification Methods for Effective Microorganisms in Commercially Available Organic Agriculture Materials. <i>Microorganisms</i> , 2020, 8, 1568.	1.6	8
18	Cellular antioxidant potential and inhibition of foodborne pathogens by a sesquiterpene ilimaquinone in cold stored ground chicken and under temperature-abuse condition. <i>Food Chemistry</i> , 2022, 373, 131392.	4.2	8

#	ARTICLE	IF	CITATIONS
19	Aflatoxin Reduction and Retardation of Aflatoxin Production by Microorganisms in Doenjang during a One-Year Fermentation. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 190.	1.5	8
20	Functional Aspects of Xylanases Toward Industrial Applications. , 2016, , 157-165.		6
21	Tryptic Mapping Based Structural Insights of Endo-1, 4-β-D-Xylanase from <i>Thermomyces lanuginosus</i> VAPS-24. <i>Indian Journal of Microbiology</i> , 2020, 60, 392-395.	1.5	5
22	Thermostability and Substrate Specificity of GH-11 Xylanase from <i>Thermomyces lanuginosus</i> VAPS24. <i>Indian Journal of Microbiology</i> , 2018, 58, 515-519.	1.5	3