

Rameshwar Tiwari

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,311
citations

393982

19
h-index

360668

35
g-index

45
all docs

45
docs citations

45
times ranked

1766
citing authors

#	ARTICLE	IF	CITATIONS
1	Salt-tolerant rhizobacteria-mediated induced tolerance in wheat (<i>Triticum aestivum</i>) and chemical diversity in rhizosphere enhance plant growth. <i>Biology and Fertility of Soils</i> , 2011, 47, 907-916.	2.3	189
2	Recent developments in synthetic biology and metabolic engineering in microalgae towards biofuel production. <i>Biotechnology for Biofuels</i> , 2018, 11, 185.	6.2	172
3	Bioprospecting of functional cellulases from metagenome for second generation biofuel production: a review. <i>Critical Reviews in Microbiology</i> , 2018, 44, 244-257.	2.7	76
4	An Alkaline Protease from <i>Bacillus pumilus</i> MP 27: Functional Analysis of Its Binding Model toward Its Applications As Detergent Additive. <i>Frontiers in Microbiology</i> , 2016, 7, 1195.	1.5	70
5	Deciphering the diversity of culturable thermotolerant bacteria from Manikaran hot springs. <i>Annals of Microbiology</i> , 2014, 64, 741-751.	1.1	63
6	Comparative efficiency of different pretreatment methods on enzymatic digestibility of <i>Parthenium</i> sp.. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 55-64.	1.7	59
7	Taxonomic and functional annotation of gut bacterial communities of <i>Eisenia foetida</i> and <i>Perionyx excavatus</i> . <i>Microbiological Research</i> , 2015, 175, 48-56.	2.5	54
8	Cyanobacterial inoculation modifies the rhizosphere microbiome of rice planted to a tropical alluvial soil. <i>Applied Soil Ecology</i> , 2016, 108, 195-203.	2.1	49
9	Optimization of Enzymatic Saccharification of Alkali Pretreated <i>Parthenium</i> sp. Using Response Surface Methodology. <i>Enzyme Research</i> , 2014, 2014, 1-8.	1.8	46
10	Biological delignification of paddy straw and <i>Parthenium</i> sp. using a novel micromycete <i>Myrothecium roridum</i> LG7 for enhanced saccharification. <i>Bioresource Technology</i> , 2013, 135, 7-11.	4.8	40
11	Immobilization of indigenous holocellulase on iron oxide (Fe_2O_3) nanoparticles enhanced hydrolysis of alkali pretreated paddy straw. <i>International Journal of Biological Macromolecules</i> , 2017, 96, 538-549.	3.6	39
12	Bioprospecting of novel thermostable β -glucosidase from <i>Bacillus subtilis</i> RA10 and its application in biomass hydrolysis. <i>Biotechnology for Biofuels</i> , 2017, 10, 246.	6.2	35
13	Prospecting <i>Parthenium</i> sp. pretreated with <i>Trametes hirsuta</i> , as a potential bioethanol feedstock. <i>Biocatalysis and Agricultural Biotechnology</i> , 2013, 2, 152-158.	1.5	31
14	Cold active holocellulase cocktail from <i>Aspergillus niger</i> SH3: process optimization for production and biomass hydrolysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 56, 57-66.	2.7	30
15	Cost effective characterization process and molecular dynamic simulation of detergent compatible alkaline protease from <i>Bacillus pumilus</i> strain MP27. <i>Process Biochemistry</i> , 2017, 58, 199-203.	1.8	27
16	Novel cold temperature active β -glucosidase from <i>Pseudomonas lutea</i> BG8 suitable for simultaneous saccharification and fermentation. <i>RSC Advances</i> , 2014, 4, 58108-58115.	1.7	25
17	Cloning and expression of β -1, 4-endoglucanase gene from <i>Bacillus subtilis</i> isolated from soil long term irrigated with effluents of paper and pulp mill. <i>Microbiological Research</i> , 2014, 169, 693-698.	2.5	24
18	Molecular Detection and Environment-Specific Diversity of Glycosyl Hydrolase Family 1 β -Glucosidase in Different Habitats. <i>Frontiers in Microbiology</i> , 2016, 7, 1597.	1.5	22

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19	Laccase Production by a Novel White-Rot Fungus <i>Pseudolagarobasidium acaciicola</i> LA 1 Through Solid-State Fermentation of <i>Parthenium</i> Biomass and Its Application in Dyes Decolorization. <i>Waste and Biomass Valorization</i> , 2016, 7, 1427-1435.	1.8	22
20	Harnessing the hydrolytic potential of phytopathogenic fungus <i>Phoma exigua</i> ITCC 2049 for saccharification of lignocellulosic biomass. <i>Bioresource Technology</i> , 2013, 150, 228-234.	4.8	21
21	Bioinformatic Analysis of <i>Leishmania donovani</i> Long-Chain Fatty Acid-CoA Ligase as a Novel Drug Target. <i>Molecular Biology International</i> , 2011, 2011, 1-14.	1.7	19
22	Production, optimization and evaluation of multicomponent holocellulase produced by <i>Streptomyces</i> sp. ssr-198. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 2379-2386.	2.7	17
23	Elucidating the interactions and phytotoxicity of zinc oxide nanoparticles with agriculturally beneficial bacteria and selected crop plants. <i>Folia Microbiologica</i> , 2017, 62, 253-262.	1.1	16
24	Unwrapping the hydrolytic system of the phytopathogenic fungus <i>Phoma exigua</i> by secretome analysis. <i>Process Biochemistry</i> , 2014, 49, 1630-1636.	1.8	15
25	Do cultural conditions induce differential protein expression: Profiling of extracellular proteome of <i>Aspergillus terreus</i> CM20. <i>Microbiological Research</i> , 2016, 192, 73-83.	2.5	15
26	Proteomic analysis of <i>Streptomyces</i> sp. ssr-198 grown on paddy straw. <i>Journal of Basic Microbiology</i> , 2015, 55, 790-797.	1.8	13
27	Two-step statistical optimization for cold active α -glucosidase production from <i>Pseudomonas lutea</i> BC8 and its application for improving saccharification of paddy straw. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 659-668.	1.4	12
28	Optimization of fermentation condition for co-production of ethanol and 2,3-butanediol (2,3-BD) from hemicellulosic hydrolysates by <i>Klebsiella oxytoca</i> XF7. <i>Chemical Engineering Communications</i> , 2018, 205, 402-410.	1.5	11
29	Recent Development in the Uses of Asparaginase as Food Enzyme. <i>Energy, Environment, and Sustainability</i> , 2019, , 55-81.	0.6	11
30	Taxonomic and functional diversity of the culturable microbiomes of epigeic earthworms and their prospects in agriculture. <i>Journal of Basic Microbiology</i> , 2016, 56, 1009-1020.	1.8	10
31	Simultaneous saccharification and fermentation of alkali-pretreated corncob under optimized conditions using cold-tolerant indigenous holocellulase. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 773-780.	1.2	10
32	Inducible and tunable gene expression systems for <i>Pseudomonas putida</i> KT2440. <i>Scientific Reports</i> , 2021, 11, 18079.	1.6	10
33	Complementary effect of thermotolerant yeast and cold active cellulase on simultaneous saccharification and fermentation for bioethanol production from rice straw. <i>Journal of Renewable and Sustainable Energy</i> , 2018, 10, .	0.8	9
34	Utilization of agro-industrial waste for production of Transglutaminase from <i>Streptomyces mobaraensis</i> . <i>Bioresource Technology</i> , 2019, 287, 121391.	4.8	8
35	Bioethanol Production Scenario in India: Potential and Policy Perspective. , 2017, , 21-37.		7
36	Secretome Analysis and Bioprospecting of Lignocellulolytic Fungal Consortium for Valorization of Waste Cottonseed Cake by Hydrolase Production and Simultaneous Gossypol Degradation. <i>Waste and Biomass Valorization</i> , 2020, 11, 2533-2548.	1.8	7

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37	Secretome produced by a newly isolated <i>Aspergillus flavus</i> strain in engineered medium shows synergy for biomass saccharification with a commercial cellulase. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 4745-4757.	2.9	6
38	Evaluation of β -1,4-Endoglucanases Produced by Bacilli Isolated from Paper and Pulp Mill Effluents Irrigated Soil. <i>Journal of Microbiology and Biotechnology</i> , 2014, 24, 1073-1080.	0.9	6
39	Production of single cell oil by using cassava peel substrate from oleaginous yeast <i>Rhodotorula glutinis</i> . <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101308.	1.5	5
40	Saccharification of biopretreated paddy straw with indigenous holocellulase and fermentation with <i>Saccharomyces cerevisiae</i> LN1 under optimized conditions. <i>Energy, Ecology and Environment</i> , 2016, 1, 419-429.	1.9	4
41	An iTRAQ Based Comparative Proteomic Profiling of Thermotolerant <i>Saccharomyces cerevisiae</i> JRC6 in Response to High Temperature Fermentation. <i>Current Proteomics</i> , 2019, 16, 289-296.	0.1	4
42	Multi-omic Approaches for Mapping Interactions Among Marine Microbiomes. , 2017, , 353-368.		1
43	Green lactic acid production using low-cost renewable sources and potential applications. , 2022, , 345-365.		1
44	Pretreatment and Designing Energy Crops: Technological Innovations and Prospects. <i>Research Journal of Microbiology</i> , 2015, 10, 557-570.	0.2	0
45	Metabolic engineering strategies for effective utilization of cellulosic sugars to produce value-added products. , 2022, , 237-260.		0