Pratyoosh Shukla

List of Publications by Year
in descending order

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193	7,314	38742 50	71685 76
papers	citations	h-index	g-index

199	199	199	7810
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microalgae harvesting techniques: updates and recent technological interventions. Critical Reviews in Biotechnology, 2023, 43, 342-368.	9.0	19
2	Futuristic avenues of metabolic engineering techniques in bioremediation. Biotechnology and Applied Biochemistry, 2022, 69, 51-60.	3.1	15
3	Endo-xylanase induced xylooligosaccharide production from corn cobs, its structural features, and concentration-dependent antioxidant activities. Biomass Conversion and Biorefinery, 2022, 12, 5707-5717.	4.6	10
4	Emerging tools and strategies in cyanobacterial omics. Trends in Biotechnology, 2022, 40, 4-7.	9.3	9
5	Xylanolytic Enzymes in Pulp and Paper Industry: New Technologies and Perspectives. Molecular Biotechnology, 2022, 64, 130-143.	2.4	19
6	Metabolic systems biology and multi-omics of cyanobacteria: Perspectives and future directions. Bioresource Technology, 2022, 343, 126007.	9.6	16
7	Understanding the Xylooligosaccharides Utilization Mechanism of Lactobacillus brevis and Bifidobacterium adolescentis: Proteins Involved and Their Conformational Stabilities for Effectual Binding. Molecular Biotechnology, 2022, 64, 75-89.	2.4	6
8	Effects of nanofertilizers on soil and plant-associated microbial communities: Emerging trends and perspectives. Chemosphere, 2022, 287, 132107.	8.2	61
9	Genomic and proteomic insights into the heavy metal bioremediation by cyanobacteria. Journal of Hazardous Materials, 2022, 424, 127609.	12.4	40
10	Bioprospecting of xylanase producing fungal strains: Multilocus phylogenetic analysis and enzyme activity profiling. Journal of Basic Microbiology, 2022, 62, 150-161.	3.3	5
11	Improved deinking and biobleaching efficiency of enzyme consortium from Thermomyces lanuginosus VAPS25 using genetic Algorithm-Artificial neural network based tools. Bioresource Technology, 2022, 349, 126846.	9.6	12
12	Probiotic potential of Weissella paramesenteroides MYPS5.1 isolated from customary dairy products and its therapeutic application. 3 Biotech, 2022, 12, 9.	2.2	12
13	A Comparative Analysis for the Production of Xylooligosaccharides via Enzymatic Hydrolysis from Sugarcane Bagasse and Coconut Coir. Indian Journal of Microbiology, 2022, 62, 317-321.	2.7	0
14	Cyanobacterial Peptides: Metabolic Potential and Environmental Fate. Protein and Peptide Letters, 2022, 29, 375-378.	0.9	0
15	Biosynthesis and biotechnological interventions for commercial production of microalgal pigments: A review. Bioresource Technology, 2022, 352, 127071.	9.6	30
16	Lindane bioremediation by Paenibacillus dendritiformis SJPS-4, its metabolic pathway analysis and functional gene annotation. Environmental Technology and Innovation, 2022, 27, 102433.	6.1	6
17	Valorization of wastewater through microalgae as a prospect for generation of biofuel and high-value products. Journal of Cleaner Production, 2022, 362, 132114.	9.3	31
18	Microbiome systems biology advancements for natural well-being. Science of the Total Environment, 2022, 838, 155915.	8.0	5

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19	Deciphering effectual binding potential of xylo-substrates towards xylose isomerase and xylokinase through molecular docking and molecular dynamic simulation. Journal of Biomolecular Structure and Dynamics, 2021, 39, 3948-3957.	3.5	5
20	Lead bioaccumulation mediated by Bacillus cereus BPS-9 from an industrial waste contaminated site encoding heavy metal resistant genes and their transporters. Journal of Hazardous Materials, 2021, 401, 123285.	12.4	47
21	Tightening the Screws on PsbA in Cyanobacteria. Trends in Genetics, 2021, 37, 211-215.	6.7	4
22	Engineering disease resistant plants through CRISPR-Cas9 technology. GM Crops and Food, 2021, 12, 125-144.	3.8	60
23	High-throughput proteomics and metabolomic studies guide re-engineering of metabolic pathways in eukaryotic microalgae: A review. Bioresource Technology, 2021, 321, 124495.	9.6	31
24	Sigma Factor Modulation for Cyanobacterial Metabolic Engineering. Trends in Microbiology, 2021, 29, 266-277.	7.7	12
25	A comparative analysis of heavy metal bioaccumulation and functional gene annotation towards multiple metal resistant potential by Ochrobactrum intermedium BPS-20 and Ochrobactrum ciceri BPS-26. Bioresource Technology, 2021, 320, 124330.	9.6	30
26	Synthetic Biology and Biocomputational Approaches for Improving Microbial Endoglucanases toward Their Innovative Applications. ACS Omega, 2021, 6, 6055-6063.	3.5	11
27	Low-cost media engineering for phosphate and IAA production by Kosakonia pseudosacchari TCPS-4 using Multi-objective Genetic Algorithm (MOGA) statistical tool. 3 Biotech, 2021, 11, 158.	2.2	8
28	Robotics for enzyme technology: innovations and technological perspectives. Applied Microbiology and Biotechnology, 2021, 105, 4089-4097.	3.6	2
29	Bio-Based Formulations for Sustainable Applications in Agri-Food-Pharma. Biomolecules, 2021, 11, 768.	4.0	2
30	Tissue Regeneration through Cyberâ€Physical Systems and Microbots. Advanced Functional Materials, 2021, 31, 2009663.	14.9	9
31	A multi-objective hybrid machine learning approach-based optimization for enhanced biomass and bioactive phycobiliproteins production in Nostoc sp. CCC-403. Bioresource Technology, 2021, 329, 124908.	9.6	33
32	Multi-Objective Optimization Through Machine Learning Modeling for Production of Xylooligosaccharides from Alkali-Pretreated Corn-Cob Xylan Via Enzymatic Hydrolysis. Indian Journal of Microbiology, 2021, 61, 458-466.	2.7	7
33	Multi-efficient thermostable endoxylanase from Bacillus velezensis AG20 and its production of xylooligosaccharides as efficient prebiotics with anticancer activity. Process Biochemistry, 2021, 109, 59-71.	3.7	18
34	Enhanced bioremediation of pulp effluents through improved enzymatic treatment strategies: A greener approach. Renewable and Sustainable Energy Reviews, 2021, 152, 111664.	16.4	24
35	Emerging Molecular Tools for Engineering Phytomicrobiome. Indian Journal of Microbiology, 2021, 61, 116-124.	2.7	3
36	Chapter 11. Omics of Lactic Acid Bacteria for Fermented Food Production. Food Chemistry, Function and Analysis, 2021, , 271-288.	0.2	1

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37	Pathobionts: mechanisms of survival, expansion, and interaction with host with a focus on Clostridioides difficile. Gut Microbes, 2021, 13, 1979882.	9.8	26
38	Whole-Cell Vaccine Preparation: Options and Perspectives. Methods in Molecular Biology, 2021, 2183, 249-266.	0.9	2
39	Recent developments in systems biology and genetic engineering toward design of vaccines for TB. Critical Reviews in Biotechnology, 2021, , 1-16.	9.0	3
40	Enhancing production of microalgal biopigments through metabolic and genetic engineering. Critical Reviews in Food Science and Nutrition, 2020, 60, 391-405.	10.3	83
41	Computational tools for modern vaccine development. Human Vaccines and Immunotherapeutics, 2020, 16, 723-735.	3.3	61
42	Efficient engineered probiotics using synthetic biology approaches: A review. Biotechnology and Applied Biochemistry, 2020, 67, 22-29.	3.1	29
43	Integrated approaches in microbial degradation of plastics. Environmental Technology and Innovation, 2020, 17, 100567.	6.1	108
44	Insights into the resources generation from pulp and paper industry wastes: Challenges, perspectives and innovations. Bioresource Technology, 2020, 297, 122496.	9.6	94
45	Probiotics of Diverse Origin and Their Therapeutic Applications: A Review. Journal of the American College of Nutrition, 2020, 39, 469-479.	1.8	27
46	Probiotics and Prebiotics: Techniques Used and Its Relevance. , 2020, , 193-206.		1
47	Systems Biology Approaches for Therapeutics Development Against COVID-19. Frontiers in Cellular and Infection Microbiology, 2020, 10, 560240.	3.9	13
48	Artificial intelligence and synthetic biology approaches for human gut microbiome. Critical Reviews in Food Science and Nutrition, 2020, , 1-19.	10.3	8
49	Lignocellulosic Biomass for the Synthesis of Nanocellulose and Its Eco-Friendly Advanced Applications. Frontiers in Chemistry, 2020, 8, 601256.	3.6	51
50	Lignocellulosic pretreatment-mediated phenolic by-products generation and their effect on the inhibition of anÂendo-1,4-Î²-xylanase from Thermomyces lanuginosus VAPS-24. 3 Biotech, 2020, 10, 349.	2.2	10
51	Smart diagnostics devices through artificial intelligence and mechanobiological approaches. 3 Biotech, 2020, 10, 351.	2.2	5
52	Synthetic biology applied to microalgae-based processes and products. , 2020, , 85-98.		3
53	Effectiveness of gamification for the rehabilitation of neurodegenerative disorders. Chaos, Solitons and Fractals, 2020, 140, 110192.	5.1	30
54	Molecular Analysis of Disease-Responsive Genes Revealing the Resistance Potential Against Fusarium Wilt (Fusarium udum Butler) Dependent on Genotype Variability in the Leguminous Crop Pigeonpea. Frontiers in Genetics, 2020, 11, 862.	2.3	5

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55	Designing synthetic microbial communities for effectual bioremediation: A review. Biocatalysis and Biotransformation, 2020, 38, 405-414.	2.0	16
56	Microbial Nanotechnology for Bioremediation of Industrial Wastewater. Frontiers in Microbiology, 2020, 11, 590631.	3.5	70
57	Tryptic Mapping Based Structural Insights of Endo-1, 4-Î²-Xylanase from Thermomyces lanuginosus VAPS-24. Indian Journal of Microbiology, 2020, 60, 392-395.	2.7	5
58	Alternative Strategies for Microbial Remediation of Pollutants via Synthetic Biology. Frontiers in Microbiology, 2020, 11, 808.	3.5	101
59	Computational approaches in epitope design using DNA binding proteins as vaccine candidate in Mycobacterium tuberculosis. Infection, Genetics and Evolution, 2020, 83, 104357.	2.3	14
60	Nitrogen and phosphorus removals by the agar-immobilized Chlorella sacchrarophila with long-term preservation at room temperature. Chemosphere, 2020, 251, 126406.	8.2	20
61	Simultaneous biohydrogen production from dark fermentation of duckweed and waste utilization for microalgal lipid production. Bioresource Technology, 2020, 302, 122879.	9.6	53
62	Dimethyl disulfide exerts antifungal activity against Sclerotinia minor by damaging its membrane and induces systemic resistance in host plants. Scientific Reports, 2020, 10, 6547.	3.3	36
63	Techniques for improving formulations of bioinoculants. 3 Biotech, 2020, 10, 199.	2.2	38
64	Phycobiliproteins from Anabaena variabilis CCC421 and its production enhancement strategies using combinatory evolutionary algorithm approach. Bioresource Technology, 2020, 309, 123347.	9.6	18
65	Deciphering the Potential of Rhizobium pusense MB-17a, a Plant Growth-Promoting Root Endophyte, and Functional Annotation of the Genes Involved in the Metabolic Pathway. Frontiers in Bioengineering and Biotechnology, 2020, 8, 617034.	4.1	21
66	Synthetic Organic Compounds From Paper Industry Wastes: Integrated Biotechnological Interventions. Frontiers in Bioengineering and Biotechnology, 2020, 8, 592939.	4.1	6
67	Enzyme Engineering Techniques for Biotechnological Applications. , 2020, , 235-249.		5
68	Advanced Techniques for Enzymatic and Chemical Bleaching for Pulp and Paper Industries. , 2020, , 43-56.		4
69	Commercial Bioinoculant Development: Techniques and Challenges. , 2020, , 57-70.		3
70	CRISPR-Cas9 system: A genome-editing tool with endless possibilities. Journal of Biotechnology, 2020, 319, 36-53.	3.8	37
71	Effluents detoxification from pulp and paper industry using microbial engineering and advanced oxidation techniques. Journal of Hazardous Materials, 2020, 398, 122998.	12.4	24
72	The Interaction of the Microtubule Targeting Anticancer Drug Colchicine with Human Glutathione Transferases. Current Pharmaceutical Design, 2020, 26, 5205-5212.	1.9	6

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73	Biosynthetic Pathways in Microalgae Towards Production of Biopigments: Progress and Advances. , 2020, , 91-106.		0
74	Multilevel algorithms and evolutionary hybrid tools for enhanced production of arginine deiminase from Pseudomonas furukawaii RS3. Bioresource Technology, 2019, 290, 121789.	9.6	17
75	Pulp and paper industryâ€“based pollutants, their health hazards and environmental risks. Current Opinion in Environmental Science and Health, 2019, 12, 48-56.	4.1	82
76	Recent systems biology approaches for probiotics use in health aspects: a review. 3 Biotech, 2019, 9, 448.	2.2	15
77	Recent metabolomics and gene editing approaches for synthesis of microbial secondary metabolites for drug discovery and development. World Journal of Microbiology and Biotechnology, 2019, 35, 166.	3.6	19
78	Synthetic Biology Perspectives of Microbial Enzymes and Their Innovative Applications. Indian Journal of Microbiology, 2019, 59, 401-409.	2.7	22
79	Protein Engineering for Improved Health: Technological Perspectives. Current Protein and Peptide Science, 2019, 20, 856-860.	1.4	5
80	Gene Editing and Systems Biology Tools for Pesticide Bioremediation: A Review. Frontiers in Microbiology, 2019, 10, 87.	3.5	131
81	Thermozymes: Adaptive strategies and tools for their biotechnological applications. Bioresource Technology, 2019, 278, 372-382.	9.6	79
82	Antibiotics bioremediation: Perspectives on its ecotoxicity and resistance. Environment International, 2019, 124, 448-461.	10.0	377
83	Nanoengineered cellulosic biohydrogen production via dark fermentation: A novel approach. Biotechnology Advances, 2019, 37, 107384.	11.7	101
84	Carbon bio-fixation, effect of physicochemical factors and carbon supply strategies by Nannochloropsis sp. using flue gas and fertilizer. Biomass and Bioenergy, 2019, 125, 95-104.	5.7	11
85	Prospecting prebiotics, innovative evaluation methods, and their health applications: a review. 3 Biotech, 2019, 9, 187.	2.2	28
86	Combinatory biotechnological intervention for gut microbiota. Applied Microbiology and Biotechnology, 2019, 103, 3615-3625.	3.6	14
87	Potential prebiotics and their transmission mechanisms: Recent approaches. Journal of Food and Drug Analysis, 2019, 27, 649-656.	1.9	66
88	Antimicrobial Peptides: Recent Insights on Biotechnological Interventions and Future Perspectives. Protein and Peptide Letters, 2019, 26, 79-87.	0.9	60
89	Bioinoculants for Bioremediation Applications and Disease Resistance: Innovative Perspectives. Indian Journal of Microbiology, 2019, 59, 129-136.	2.7	37
90	Quest for cardiovascular interventions: precise modeling and 3D printing of heart valves. Journal of Biological Engineering, 2019, 13, 12.	4.7	22

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91	New-Generation Probiotics. , 2019, , 417-424.		9
92	Bioremediation through microbes: systems biology and metabolic engineering approach. Critical Reviews in Biotechnology, 2019, 39, 79-98.	9.0	206
93	Artificial Intelligence Integration for Neurodegenerative Disorders. , 2019, , 77-89.		8
94	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
95	Effectual Bioprocess Development for Protein Production. , 2019, , 203-227.		12
96	Current Trends in Protein Engineering: Updates and Progress. Current Protein and Peptide Science, 2019, 20, 398-407.	1.4	68
97	Engineering microbes for direct fermentation of cellulose to bioethanol. Critical Reviews in Biotechnology, 2018, 38, 1089-1105.	9.0	55
98	Engineering PGPMOs through Gene Editing and Systems Biology: A Solution for Phytoremediation?. Trends in Biotechnology, 2018, 36, 499-510.	9.3	98
99	Engineering Thermostable Microbial Xylanases Toward its Industrial Applications. Molecular Biotechnology, 2018, 60, 226-235.	2.4	109
100	Integrated Artificial Intelligence Approaches for Disease Diagnostics. Indian Journal of Microbiology, 2018, 58, 252-255.	2.7	13
101	Contemporary enzyme based technologies for bioremediation: A review. Journal of Environmental Management, 2018, 210, 10-22.	7.8	372
102	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
103	Bioprospecting of functional cellulases from metagenome for second generation biofuel production: a review. Critical Reviews in Microbiology, 2018, 44, 244-257.	6.1	76
104	Computational Modelling and Prediction of Microalgae Growth Focused Towards Improved Lipid Production. Energy, Environment, and Sustainability, 2018, , 223-232.	1.0	2
105	Improvements in algal lipid production: a systems biology and gene editing approach. Critical Reviews in Biotechnology, 2018, 38, 369-385.	9.0	65
106	Bioinoculant capability enhancement through metabolomics and systems biology approaches. Briefings in Functional Genomics, 2018, 18, 159-168.	2.7	22
107	Vaccine and antibody production in plants: developments and computational tools. Briefings in Functional Genomics, 2018, 17, 295-307.	2.7	49
108	Glycosylation control technologies for recombinant therapeutic proteins. Applied Microbiology and Biotechnology, 2018, 102, 10457-10468.	3.6	64

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109	Extracellular xylanase production from T. lanuginosus VAPS24 at pilot scale and thermostability enhancement by immobilization. Process Biochemistry, 2018, 71, 53-60.	3.7	39
110	Recent developments in synthetic biology and metabolic engineering in microalgae towards biofuel production. Biotechnology for Biofuels, 2018, 11, 185.	6.2	172
111	Combinatorial Interactions of Biotic and Abiotic Stresses in Plants and Their Molecular Mechanisms: Systems Biology Approach. Molecular Biotechnology, 2018, 60, 636-650.	2.4	38
112	Cyanobacterial pigments: Perspectives and biotechnological approaches. Food and Chemical Toxicology, 2018, 120, 616-624.	3.6	100
113	Cell Line Techniques and Gene Editing Tools for Antibody Production: A Review. Frontiers in Pharmacology, 2018, 9, 630.	3.5	51
114	Futuristic biosensors for cardiac health care: an artificial intelligence approach. 3 Biotech, 2018, 8, 358.	2.2	68
115	VOCs-mediated hormonal signaling and crosstalk with plant growth promoting microbes. Critical Reviews in Biotechnology, 2018, 38, 1277-1296.	9.0	85
116	Thermostability and Substrate Specificity of GH-11 Xylanase from Thermomyces lanuginosus VAPS24. Indian Journal of Microbiology, 2018, 58, 515-519.	2.7	3
117	An overview of advanced technologies for selection of probiotics and their expediency: A review. Critical Reviews in Food Science and Nutrition, 2017, 57, 3233-3242.	10.3	59
118	Microbial platform technology for recombinant antibody fragment production: A review. Critical Reviews in Microbiology, 2017, 43, 31-42.	6.1	107
119	Cost effective characterization process and molecular dynamic simulation of detergent compatible alkaline protease from Bacillus pumilus strain MP27. Process Biochemistry, 2017, 58, 199-203.	3.7	27
120	Continuous Elution Electrophoresis: A Unique Tool for Microbial Protein Analysis. , 2017, , 229-235.		0
121	Biotherapeutic potential and mechanisms of action of colchicine. Critical Reviews in Biotechnology, 2017, 37, 1038-1047.	9.0	21
122	Bioengineering of Nitrilases Towards Its Use as Green Catalyst: Applications and Perspectives. Indian Journal of Microbiology, 2017, 57, 131-138.	2.7	31
123	Strategies to Improve Saccharomyces cerevisiae: Technological Advancements and Evolutionary Engineering. Indian Journal of Microbiology, 2017, 57, 378-386.	2.7	23
124	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
125	Microbial Enzyme Engineering: Applications and Perspectives. , 2017, , 259-273.		12
126	Probiotics for Human Health: Current Progress and Applications. , 2017, , 133-147.		10

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127	Proteomic approaches in microalgae: perspectives and applications. 3 Biotech, 2017, 7, 197.	2.2	21
128	Lipid production and molecular dynamics simulation for regulation of accD gene in cyanobacteria under different N and P regimes. Biotechnology for Biofuels, 2017, 10, 94.	6.2	35
129	Gene editing for cell engineering: trends and applications. Critical Reviews in Biotechnology, 2017, 37, 672-684.	9.0	86
130	Sophisticated Cloning, Fermentation, and Purification Technologies for an Enhanced Therapeutic Protein Production: A Review. Frontiers in Pharmacology, 2017, 8, 419.	3.5	48
131	Gut Microbiota Modulation and Its Relationship with Obesity Using Prebiotic Fibers and Probiotics: A Review. Frontiers in Microbiology, 2017, 8, 563.	3.5	262
132	Editorial: â€˜Futuristic Protein Engineering: Developments and Avenuesâ€™. Current Protein and Peptide Science, 2017, 19, 3-4.	1.4	14
133	Bioprospecting of novel thermostable Î²-glucosidase from Bacillus subtilis RA10 and its application in biomass hydrolysis. Biotechnology for Biofuels, 2017, 10, 246.	6.2	35
134	Over-expression of a Codon Optimized Yeast Cytosolic Pyruvate Carboxylase (PYC2) in CHO Cells for an Augmented Lactate Metabolism. Frontiers in Pharmacology, 2017, 8, 463.	3.5	11
135	Metabolic engineering of CHO cells for the development of a robust protein production platform. PLoS ONE, 2017, 12, e0181455.	2.5	53
136	Metabolic Engineering for Probiotics and their Genome-Wide Expression Profiling. Current Protein and Peptide Science, 2017, 19, 68-74.	1.4	23
137	Microbial Interactions in Plants: Perspectives and Applications of Proteomics. Current Protein and Peptide Science, 2017, 18, 956-965.	1.4	28
138	Recombinant Approaches for Microbial Xylanases: Recent Advances and Perspectives. Current Protein and Peptide Science, 2017, 19, 87-99.	1.4	23
139	Bioengineering for Microbial Inulinases: Trends and Applications. Current Protein and Peptide Science, 2017, 18, 966-972.	1.4	11
140	Metabolic Engineering of Microalgal Based Biofuel Production: Prospects and Challenges. Frontiers in Microbiology, 2016, 7, 432.	3.5	70
141	Current Technological Improvements in Enzymes toward Their Biotechnological Applications. Frontiers in Microbiology, 2016, 7, 965.	3.5	64
142	An Alkaline Protease from Bacillus pumilus MP 27: Functional Analysis of Its Binding Model toward Its Applications As Detergent Additive. Frontiers in Microbiology, 2016, 7, 1195.	3.5	70
143	Plant Microbe Interactions in Post Genomic Era: Perspectives and Applications. Frontiers in Microbiology, 2016, 7, 1488.	3.5	79
144	Molecular Detection and Environment-Specific Diversity of Glycosyl Hydrolase Family 1 Î²-Glucosidase in Different Habitats. Frontiers in Microbiology, 2016, 7, 1597.	3.5	22

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145	Probiotic Properties of Lactobacillus plantarum RYPR1 from an Indigenous Fermented Beverage Raabadi. Frontiers in Microbiology, 2016, 7, 1683.	3.5	128
146	Recent Developments in Systems Biology and Metabolic Engineering of Plantâ€“Microbe Interactions. Frontiers in Plant Science, 2016, 7, 1421.	3.6	73
147	Allele Mining and Selective Patterns of Pi9 Gene in a Set of Rice Landraces from India. Frontiers in Plant Science, 2016, 7, 1846.	3.6	6
148	Microalgal bioengineering for sustainable energy development: Recent transgenesis and metabolic engineering strategies. Biotechnology Journal, 2016, 11, 303-314.	3.5	44
149	Twoâ€step statistical optimization for cold active Î²â€glucosidase production from Pseudomonas lutea BG8 and its application for improving saccharification of paddy straw. Biotechnology and Applied Biochemistry, 2016, 63, 659-668.	3.1	12
150	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
151	Functional analysis of the binding model of microbial inulinases using docking and molecular dynamics simulation. Journal of Molecular Modeling, 2016, 22, 69.	1.8	25
152	Archaeology vis-Ã-vis Microbiology: Discovering the Vistas of Interdisciplinary Research. , 2016, , 213-219.		1
153	Advances in Molecular Mechanism Toward Understanding Plant-Microbe Interaction: A Study of M. oryzae Versus Rice. , 2016, , 79-96.		3
154	Functional Aspects of Xylanases Toward Industrial Applications. , 2016, , 157-165.		6
155	Enzyme Technology, Functional Proteomics, and Systems Biology Toward Unraveling Molecular Basis for Functionality and Interactions in Biotechnological Processes. , 2016, , 207-212.		7
156	Advanced technologies for improved expression of recombinant proteins in bacteria: perspectives and applications. Critical Reviews in Biotechnology, 2016, 36, 1089-1098.	9.0	137
157	Catalytic Interactions and Molecular Docking of Bile Salt Hydrolase (BSH) from L. plantarum RYPR1 and Its Prebiotic Utilization. Frontiers in Microbiology, 2016, 7, 2116.	3.5	33
158	Computational Approaches in Chlamydomonas reinhardtii for Effectual Bio-hydrogen Production. SpringerBriefs in Systems Biology, 2015, , .	0.3	3
159	Molecular identification and virulence analysis of AVR genes in rice blast pathogen, Magnaporthe oryzae from Eastern India. Euphytica, 2015, 206, 21-31.	1.2	18
160	Innovations in Microalgal Harvesting Using Biopolymer-Based Approach. , 2015, , 127-138.		1
161	Molecular Diversity and Mating Type Distribution of the Rice Blast Pathogen Magnaporthe oryzae in North-East and Eastern India. Indian Journal of Microbiology, 2015, 55, 108-113.	2.7	15
162	In Silico Analog Design for Terbinafine Against Trichophyton rubrum: A Preliminary Study. Indian Journal of Microbiology, 2015, 55, 333-340.	2.7	24

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163	Phylogenetic analysis and biological characteristic tests of marine bacteria isolated from Southern Ocean (Indian sector) water. Acta Oceanologica Sinica, 2015, 34, 73-82.	1.0	20
164	Systems biology as an approach for deciphering microbial interactions. Briefings in Functional Genomics, 2015, 14, 166-168.	2.7	33
165	Enzyme Based Biosensors for Detection of Environmental Pollutants-A Review. Journal of Microbiology and Biotechnology, 2015, 25, 1773-1781.	2.1	105
166	Molecular Analysis of Indian Rice Germplasm Accessions with Resistance to Blast Pathogen. Journal of Crop Improvement, 2014, 28, 729-739.	1.7	7
167	Exploring Prospects of Monooxygenase-Based Biocatalysts in Xenobiotics. , 2014, , 577-614.		7
168	In Silico Approach in Bioremediation. , 2014, , 421-432.		4
169	Study of algal biomass harvesting through cationic cassia gum, a natural plant based biopolymer. Bioresource Technology, 2014, 151, 6-11.	9.6	62
170	54th Annual Conference of Association of Microbiologists of India (AMI): A Report. Indian Journal of Microbiology, 2014, 54, 244-245.	2.7	0
171	Molecular screening for identification of blast resistance genes in North East and Eastern Indian rice germplasm (Oryza sativa L.) with PCR based makers. Euphytica, 2014, 196, 199-211.	1.2	59
172	Novel cold temperature active Î²-glucosidase from Pseudomonas lutea BG8 suitable for simultaneous saccharification and fermentation. RSC Advances, 2014, 4, 58108-58115.	3.6	25
173	A Comprehensive Overview on Application of Bioinformatics and Computational Statistics in Rice Genomics Toward an Amalgamated Approach for Improving Acquaintance Base. , 2014, , 89-107.		4
174	Identification of Rice Blast Resistance Gene Pi9 from Indian Rice Land Races with STS Marker and Its Verification by Virulence Analysis. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2013, 83, 499-504.	1.0	13
175	Characterization, cloning and functional expression of novel xylanase from Thermomyces lanuginosus SS-8 isolated from self-heating plant wreckage material. World Journal of Microbiology and Biotechnology, 2013, 29, 2407-2415.	3.6	20
176	Study of algal biomass harvesting using cationic guar gum from the natural plant source as flocculant. Carbohydrate Polymers, 2013, 92, 675-681.	10.2	131
177	Sustainable Enzyme Technology for Environment: Biosensors for Monitoring of Pollutants and Toxic Compounds. , 2013, , 69-76.		1
178	Biohydrogen as Biofuel: Future Prospects and Avenues for Improvements. , 2013, , 301-315.		5
179	Role of Enzymes and Proteins in Plant-Microbe Interaction: A Study of M. oryzae Versus Rice. , 2013, , 137-145.		5
180	Regulatory Motif Identification in Biological Sequences: An Overview of Computational Methodologies. , 2013, , 111-124.		3

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181	Study of polyacrylamide grafted starch based algal flocculation towards applications in algal biomass harvesting. International Journal of Biological Macromolecules, 2012, 51, 456-461.	7.5	59
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