Abhishek Walia

List of Publications by Year
in descending order

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43	1,130	394421 19	414414 32
papers	citations	h-index	g-index

45	45	45	1246
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microbial xylanases and their industrial application in pulp and paper biobleaching: a review. 3 Biotech, 2017, 7, 11.	2.2	245
2	Efficiency of plant growthâ€promoting Pâ€solubilizing Bacillus circulans CB7 for enhancement of tomato growth under net house conditions. Journal of Basic Microbiology, 2015, 55, 33-44.	3.3	94
3	Tricalcium phosphate solubilization and nitrogen fixation by newly isolated Aneurinibacillus aneurinilyticus CKMV1 from rhizosphere of Valeriana jatamansi and its growth promotional effect. Brazilian Journal of Microbiology, 2017, 48, 294-304.	2.0	61
4	Î±-Amylases from Microbial Sources and Its Potential Applications in Various Industries. The National Academy of Sciences, India, 2013, 36, 9-17.	1.3	48
5	Microbial proteases: ubiquitous enzymes with innumerable uses. 3 Biotech, 2021, 11, 428.	2.2	46
6	Optimization of cellulase-free xylanase production by alkalophilic Cellulosimicrobium sp. CKMX1 in solid-state fermentation of apple pomace using central composite design and response surface methodology. Annals of Microbiology, 2013, 63, 187-198.	2.6	43
7	Tricalcium phosphate solubilisation by new endophyte Bacillus methylotrophicus CKAM isolated from apple root endosphere and its plant growth-promoting activities. Acta Physiologiae Plantarum, 2014, 36, 2033-2045.	2.1	40
8	Molecular characterization of alkaline protease of Bacillus amyloliquefaciens SP1 involved in biocontrol of Fusarium oxysporum. International Journal of Food Microbiology, 2016, 232, 134-143.	4.7	39
9	Effect of Bacillus subtilis Strain CKT1 as Inoculum on Growth of Tomato Seedlings Under Net House Conditions. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2014, 84, 145-155.	1.0	36
10	Purification and characterization of cellulase-free low molecular weight endo Î²-1,4 xylanase from an alkalophilic Cellulosimicrobium cellulans CKMX1 isolated from mushroom compost. World Journal of Microbiology and Biotechnology, 2014, 30, 2597-2608.	3.6	36
11	Purification and characterization of detergent stable alkaline protease from Bacillus amyloliquefaciens SP1 isolated from apple rhizosphere. Journal of Basic Microbiology, 2016, 56, 138-152.	3.3	36
12	Modification in the properties of paper by using cellulase-free xylanase produced from alkalophilic Cellulosimicrobium cellulans CKMX1 in biobleaching of wheat straw pulp. Canadian Journal of Microbiology, 2015, 61, 671-681.	1.7	33
13	Impact of Fungicide Mancozeb at Different Application Rates on Soil Microbial Populations, Soil Biological Processes, and Enzyme Activities in Soil. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	31
14	Renewable Energy Products through Bioremediation of Wastewater. Sustainability, 2020, 12, 7501.	3.2	29
15	Endophytic Fungi: Role in Phosphate Solubilization. Fungal Biology, 2019, , 183-209.	0.6	26
16	Plant growth promoting traits of phosphate-solubilizing rhizobacteria isolated from apple trees in trans Himalayan region of Himachal Pradesh. Archives of Microbiology, 2013, 195, 357-369.	2.2	25
17	Phosphate solubilisation and plant growth promoting potential by stress tolerant Bacillus sp. isolated from rhizosphere of apple orchards in trans Himalayan region of Himachal Pradesh. Annals of Applied Biology, 2013, 163, 430-443.	2.5	25
18	Endophytic Bacteria: Role in Phosphate Solubilization. Sustainable Development and Biodiversity, 2017, , 61-93.	1.7	25

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19	Improvement for enhanced xylanase production by Cellulosimicrobium cellulans CKMX1 using central composite design of response surface methodology. 3 Biotech, 2015, 5, 1053-1066.	2.2	23
20	Plant growth-promoting traits of phosphate solubilizing bacteria isolated from Hippophae rhamnoides L. (Sea-buckthorn) growing in cold desert Trans-Himalayan Lahul and Spiti regions of India. Acta Physiologiae Plantarum, 2015, 37, 1.	2.1	22
21	Functional diversity of phosphate solubilizing plant growth promoting rhizobacteria isolated from apple trees in the Trans Himalayan region of Himachal Pradesh, India. Biological Agriculture and Horticulture, 2015, 31, 265-288.	1.0	18
22	Immobilization ofÂBacillus amyloliquefaciens SP1 and its alkaline protease in various matrices for effective hydrolysis of casein. 3 Biotech, 2016, 6, 208.	2.2	15
23	Antagonistic Activity of Plant Growth Promoting Rhizobacteria Isolated from Tomato Rhizosphere Against Soil Borne Fungal Plant Pathogens. International Journal of Agriculture Environment and Biotechnology, 2013, 6, 571.	0.1	14
24	Plant growth promoting activities of rhizobacteria isolated from Podophyllum hexandrum growing in North-West regions of the Himalaya. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2017, 87, 1443-1457.	1.0	14
25	Effect of Chlorpyrifos and Malathion on Soil Microbial Population and Enzyme Activity. Acta Scientific Microbiology, 2018, 1, 14-22.	0.1	13
26	Multi-trait plant growth promoting bacteria from tomato rhizosphere and evaluation of their potential as bioinoculants. Applied Biological Research, 2015, 17, 113.	0.2	12
27	Tomato Fruit Quality under Protected Environment and Open Field Conditions. International Journal of Bio-resource and Stress Management, 2014, 5, 422.	0.2	10
28	Production of Alkalophilic Xylanases by Paenibacillus polymyxa CKWX1 Isolated from Decomposing Wood. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2013, 83, 215-223.	1.0	9
29	Molecular Cloning and Sequencing of AlkalophilicCellulosimicrobium cellulans CKMX1 Xylanase Gene Isolated from Mushroom Compost and Characterization of the Gene Product. Brazilian Archives of Biology and Technology, 2015, 58, 913-922.	0.5	9
30	Optimization of milk-clotting enzyme production by Bacillus amyloliquefaciens SP1 isolated from apple rhizosphere. Bioresources and Bioprocessing, 2016, 3, .	4.2	8
31	Recent advancements in hydrocarbon bioremediation and future challenges: a review. 3 Biotech, 2022, 12, .	2.2	8
32	Identification, phylogeny and transcript profiling of ERF family genes during temperature stress treatment in Pea (Pisum sativum L.). Journal of Plant Biochemistry and Biotechnology, 2022, 31, 561-572.	1.7	7
33	An Overview on Co-Pyrolysis of Biodegradable and Non-Biodegradable Wastes. Energies, 2022, 15, 4168.	3.1	7
34	Production of Bioethanol from Food Industry Waste: Microbiology, Biochemistry and Technology. , 2012, , 251-311.		5
35	Mutagenesis of Alkalophilic Cellulosimicrobium sp. CKMX1 for Hyper-Production of Cellulase-Free Xylanase in Solid State Fermentation of Apple Pomace. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2015, 85, 241-252.	1.0	5
36	Genotypic and Phenotypic Profile of Alkalophile Proteolytic Bacillus sp. Associated with Rhizosphere of Apple Trees in Trans Himalayas. Proceedings of the National Academy of Sciences India Section B - Biological Sciences, 2016, 86, 331-341.	1.0	5

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37	Current Trends and Aspects of Microbiological Biogas Production. Environmental and Microbial Biotechnology, 2020, , 265-297.	0.7	2
38	The Role of Sugars in Improving Plant Abiotic Stress Tolerance. , 2020, , 31-48.		1
39	Techniques for Improving Microbial Inoculants as a Tool for Sustainable Development. , 2021, , 599-627.		1
40	Isolation and Purification of an Antifungal Protein from Kiwi Fruits and Demonstration of Its Antifungal Activity. Journal of Advances in Microbiology, 2017, 2, 1-7.	0.2	0
41	Nitrogen Fixation in Leguminous Plants. Acta Scientific Microbiology, 2018, 1, 71-71.	0.1	0
42	Production of Red Pigment from Fungal Isolate DMMS-1. International Journal of Current Microbiology and Applied Sciences, 2019, 8, 2839-2846.	0.1	0
43	Fungal metabolitesâ€"A potential source of antiviral compounds. , 2020, , 157-173.		0