

Venkatachalam Lakshmanan

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

1,383
citations

516710

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888059

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docs citations

17
times ranked

2159
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional Soil Microbiome: Belowground Solutions to an Aboveground Problem. <i>Plant Physiology</i> , 2014, 166, 689-700.	4.8	299
2	<i>Bacillus subtilis</i> Early Colonization of <i>Arabidopsis thaliana</i> Roots Involves Multiple Chemotaxis Receptors. <i>MBio</i> , 2016, 7, .	4.1	189
3	Microbe-Associated Molecular Patterns-Triggered Root Responses Mediate Beneficial Rhizobacterial Recruitment in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2012, 160, 1642-1661.	4.8	157
4	Rhizobacteria <i>Bacillus subtilis</i> restricts foliar pathogen entry through stomata. <i>Plant Journal</i> , 2012, 72, 694-706.	5.7	98
5	A perspective on inter-kingdom signaling in plant-beneficial microbe interactions. <i>Plant Molecular Biology</i> , 2016, 90, 537-548.	3.9	97
6	Microbe to Microbiome: A Paradigm Shift in the Application of Microorganisms for Sustainable Agriculture. <i>Frontiers in Microbiology</i> , 2020, 11, 622926.	3.5	88
7	Root transcriptome analysis of <i>Arabidopsis thaliana</i> exposed to beneficial <i>Bacillus subtilis</i> FB17 rhizobacteria revealed genes for bacterial recruitment and plant defense independent of malate efflux. <i>Planta</i> , 2013, 238, 657-668.	3.2	84
8	Characterization of the Complex Regulation of <i>AtALMT1</i> Expression in Response to Phytohormones and Other Inducers. <i>Plant Physiology</i> , 2013, 162, 732-740.	4.8	77
9	Crucial Roles of Abscisic Acid Biogenesis in Virulence of Rice Blast Fungus <i>Magnaporthe oryzae</i> . <i>Frontiers in Plant Science</i> , 2015, 6, 1082.	3.6	74
10	A natural rice rhizospheric bacterium abates arsenic accumulation in rice (<i>Oryza sativa</i> L.). <i>Planta</i> , 2015, 242, 1037-1050.	3.2	63
11	Impact of Seed Exudates on Growth and Biofilm Formation of <i>Bacillus amyloliquefaciens</i> ALB629 in Common Bean. <i>Frontiers in Microbiology</i> , 2017, 8, 2631.	3.5	31
12	Root Microbiome Assemblage is Modulated by Plant Host Factors. <i>Advances in Botanical Research</i> , 2015, 75, 57-79.	1.1	28
13	Toward a Resilient, Functional Microbiome: Drought Tolerance-Alleviating Microbes for Sustainable Agriculture. <i>Methods in Molecular Biology</i> , 2017, 1631, 69-84.	0.9	26
14	Factors other than root secreted malic acid that contributes toward <i>Bacillus subtilis</i> FB17 colonization on <i>Arabidopsis</i> roots. <i>Plant Signaling and Behavior</i> , 2013, 8, e27277.	2.4	22
15	Overexpression of <i>AtALMT1</i> in the <i>Arabidopsis thaliana</i> ecotype Columbia results in enhanced Al-activated malate excretion and beneficial bacterium recruitment. <i>Plant Signaling and Behavior</i> , 2013, 8, e25565.	2.4	21
16	Killing Two Birds with One Stone: Natural Rice Rhizospheric Microbes Reduce Arsenic Uptake and Blast Infections in Rice. <i>Frontiers in Plant Science</i> , 2016, 7, 1514.	3.6	19
17	Interplant Aboveground Signaling Prompts Upregulation of Auxin Promoter and Malate Transporter as Part of Defensive Response in the Neighboring Plants. <i>Frontiers in Plant Science</i> , 2017, 8, 595.	3.6	10