

Msizi I Mhlongo

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

945
citations

758635

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940134

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docs citations

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times ranked

1288
citing authors

#	ARTICLE	IF	CITATIONS
1	The Chemistry of Plant-Microbe Interactions in the Rhizosphere and the Potential for Metabolomics to Reveal Signaling Related to Defense Priming and Induced Systemic Resistance. <i>Frontiers in Plant Science</i> , 2018, 9, 112.	1.7	338
2	Analyses of chlorogenic acids and related cinnamic acid derivatives from <i>Nicotiana tabacum</i> tissues with the aid of UPLC-QTOF-MS/MS based on the in-source collision-induced dissociation method. <i>Chemistry Central Journal</i> , 2014, 8, 66.	2.6	116
3	Metabolomics in Plant Priming Research: The Way Forward?. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1759.	1.8	83
4	Highlighting mass spectrometric fragmentation differences and similarities between hydroxycinnamoyl-quinic acids and hydroxycinnamoyl-isocitric acids. <i>Chemistry Central Journal</i> , 2017, 11, 29.	2.6	58
5	Metabolomic Profiling of the Host Response of Tomato (<i>Solanum lycopersicum</i>) Following Infection by <i>Ralstonia solanacearum</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 3945.	1.8	54
6	Phenylpropanoid Defences in <i>Nicotiana tabacum</i> Cells: Overlapping Metabolomes Indicate Common Aspects to Priming Responses Induced by Lipopolysaccharides, Chitosan and Flagellin-22. <i>PLoS ONE</i> , 2016, 11, e0151350.	1.1	46
7	Profiling of Altered Metabolomic States in <i>Nicotiana tabacum</i> Cells Induced by Priming Agents. <i>Frontiers in Plant Science</i> , 2016, 7, 1527.	1.7	44
8	Metabolic Profiling of PGPR-Treated Tomato Plants Reveal Priming-Related Adaptations of Secondary Metabolites and Aromatic Amino Acids. <i>Metabolites</i> , 2020, 10, 210.	1.3	44
9	Priming agents of plant defence stimulate the accumulation of mono- and di-acylated quinic acids in cultured tobacco cells. <i>Physiological and Molecular Plant Pathology</i> , 2014, 88, 61-66.	1.3	41
10	Comparative Metabolic Phenotyping of Tomato (<i>Solanum lycopersicum</i>) for the Identification of Metabolic Signatures in Cultivars Differing in Resistance to <i>Ralstonia solanacearum</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2558.	1.8	33
11	Rhizosphere Tripartite Interactions and PGPR-Mediated Metabolic Reprogramming towards ISR and Plant Priming: A Metabolomics Review. <i>Biology</i> , 2022, 11, 346.	1.3	33
12	Metabolomic Evaluation of Tissue-Specific Defense Responses in Tomato Plants Modulated by PGPR-Priming against <i>Phytophthora capsici</i> Infection. <i>Plants</i> , 2021, 10, 1530.	1.6	21
13	Concurrent Metabolic Profiling and Quantification of Aromatic Amino Acids and Phytohormones in <i>Solanum lycopersicum</i> Plants Responding to <i>Phytophthora capsici</i> . <i>Metabolites</i> , 2020, 10, 466.	1.3	14
14	Comparative Metabolite Profiling of Wheat Cultivars (<i>Triticum aestivum</i>) Reveals Signatory Markers for Resistance and Susceptibility to Stripe Rust and Aluminium (Al ³⁺) Toxicity. <i>Metabolites</i> , 2022, 12, 98.	1.3	13
15	Untargeted Metabolomics Profiling of <i>Arabidopsis</i> WT, <i>lbr-2-2</i> and <i>bak1-4</i> Mutants Following Treatment with Two LPS Chemotypes. <i>Metabolites</i> , 2022, 12, 379.	1.3	4
16	LC-MS based metabolite profiling reveals hydroxycinnamoyl conjugation as a discriminatory chemical factor between two closely related <i>Coccinia</i> species. <i>South African Journal of Botany</i> , 2022, 145, 199-206.	1.2	3