

Mariola PiÅ›lewska-Bednarek

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

2,105
citations

567281

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940533

16
g-index

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18
docs citations

18
times ranked

2412
citing authors

#	ARTICLE	IF	CITATIONS
1	A Glucosinolate Metabolism Pathway in Living Plant Cells Mediates Broad-Spectrum Antifungal Defense. <i>Science</i> , 2009, 323, 101-106.	12.6	927
2	Tryptophan-derived secondary metabolites in <i>Arabidopsis thaliana</i> confer non-host resistance to necrotrophic <i>Plectosphaerella cucumerina</i> fungi. <i>Plant Journal</i> , 2010, 63, no-no.	5.7	191
3	Regulation of Pathogen-Triggered Tryptophan Metabolism in <i>Arabidopsis thaliana</i> by MYB Transcription Factors and Indole Glucosinolate Conversion Products. <i>Molecular Plant</i> , 2016, 9, 682-695.	8.3	149
4	PYK10 myrosinase reveals a functional coordination between endoplasmic reticulum bodies and glucosinolates in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2017, 89, 204-220.	5.7	128
5	Glutathione and tryptophan metabolism are required for <i>Arabidopsis</i> immunity during the hypersensitive response to hemibiotrophs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9589-9594.	7.1	121
6	A regulon conserved in monocot and dicot plants defines a functional module in antifungal plant immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21896-21901.	7.1	110
7	Conservation and clade-specific diversification of pathogen-inducible tryptophan and indole glucosinolate metabolism in <i>Arabidopsis thaliana</i> relatives. <i>New Phytologist</i> , 2011, 192, 713-726.	7.3	100
8	Mutant Allele-Specific Uncoupling of PENETRATION3 Functions Reveals Engagement of the ATP-Binding Cassette Transporter in Distinct Tryptophan Metabolic Pathways. <i>Plant Physiology</i> , 2015, 168, 814-827.	4.8	71
9	Glutathione Transferase U13 Functions in Pathogen-Triggered Glucosinolate Metabolism. <i>Plant Physiology</i> , 2018, 176, 538-551.	4.8	69
10	YODA MAP3K kinase regulates plant immune responses conferring broad-spectrum disease resistance. <i>New Phytologist</i> , 2018, 218, 661-680.	7.3	54
11	The role of <i>CYP71A12</i> monooxygenase in pathogen-triggered tryptophan metabolism and <i>Arabidopsis</i> immunity. <i>New Phytologist</i> , 2020, 225, 400-412.	7.3	51
12	Tryptophan metabolism and bacterial commensals prevent fungal dysbiosis in <i>Arabidopsis</i> roots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	38
13	Dysfunction of <i>Arabidopsis</i> <i>MACPF</i> domain protein activates programmed cell death via tryptophan metabolism in <i>MAMP</i> -triggered immunity. <i>Plant Journal</i> , 2017, 89, 381-393.	5.7	34
14	Moonlighting Function of Phytochelatin Synthase1 in Extracellular Defense against Fungal Pathogens. <i>Plant Physiology</i> , 2020, 182, 1920-1932.	4.8	26
15	Effect of drought stress on metabolite contents in barley recombinant inbred line population revealed by untargeted GC-MS profiling. <i>Acta Physiologiae Plantarum</i> , 2017, 39, 1.	2.1	22
16	Tryptophan-derived metabolites and BAK1 separately contribute to <i>Arabidopsis</i> postinvasive immunity against <i>Alternaria brassicicola</i> . <i>Scientific Reports</i> , 2021, 11, 1488.	3.3	12