

Simone Ferrari

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

4,613
citations

218592

26
h-index

345118

36
g-index

37
all docs

37
docs citations

37
times ranked

5087
citing authors

#	ARTICLE	IF	CITATIONS
1	Arabidopsis local resistance to <i>Botrytis cinerea</i> involves salicylic acid and camalexin and requires EDS4 and PAD2, but not SID2, EDS5 or PAD4. <i>Plant Journal</i> , 2003, 35, 193-205.	2.8	463
2	Activation of Defense Response Pathways by OGs and Flg22 Elicitors in Arabidopsis Seedlings. <i>Molecular Plant</i> , 2008, 1, 423-445.	3.9	448
3	Oligogalacturonides: plant damage-associated molecular patterns and regulators of growth and development. <i>Frontiers in Plant Science</i> , 2013, 4, 49.	1.7	401
4	Resistance to <i>Botrytis cinerea</i> Induced in Arabidopsis by Elicitors Is Independent of Salicylic Acid, Ethylene, or Jasmonate Signaling But Requires PHYTOALEXIN DEFICIENT3. <i>Plant Physiology</i> , 2007, 144, 367-379.	2.3	383
5	Five components of the ethylene-response pathway identified in a screen for weak ethylene-insensitive mutants in Arabidopsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 2992-2997.	3.3	380
6	Tandemly Duplicated Arabidopsis Genes That Encode Polygalacturonase-Inhibiting Proteins Are Regulated Coordinately by Different Signal Transduction Pathways in Response to Fungal Infection. <i>Plant Cell</i> , 2003, 15, 93-106.	3.1	240
7	Arabidopsis MPK3 and MPK6 Play Different Roles in Basal and Oligogalacturonide- or Flagellin-Induced Resistance against <i>Botrytis cinerea</i> . <i>Plant Physiology</i> , 2011, 157, 804-814.	2.3	239
8	The AtrbohD-Mediated Oxidative Burst Elicited by Oligogalacturonides in Arabidopsis Is Dispensable for the Activation of Defense Responses Effective against <i>Botrytis cinerea</i> . <i>Plant Physiology</i> , 2008, 148, 1695-1706.	2.3	232
9	Polygalacturonase-inhibiting proteins in defense against phytopathogenic fungi. <i>Current Opinion in Plant Biology</i> , 2002, 5, 295-299.	3.5	206
10	Engineering the cell wall by reducing de-methyl-esterified homogalacturonan improves saccharification of plant tissues for bioconversion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 616-621.	3.3	192
11	Plant immunity triggered by engineered in vivo release of oligogalacturonides, damage-associated molecular patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 5533-5538.	3.3	179
12	Tryptophan-Derived Metabolites Are Required for Antifungal Defense in the Arabidopsis <i>mla2</i> Mutant. <i>Plant Physiology</i> , 2010, 152, 1544-1561.	2.3	121
13	Transgenic Expression of a Fungal endo-Polygalacturonase Increases Plant Resistance to Pathogens and Reduces Auxin Sensitivity. <i>Plant Physiology</i> , 2008, 146, 323-324.	2.3	112
14	Cell wall traits that influence plant development, immunity, and bioconversion. <i>Plant Journal</i> , 2019, 97, 134-147.	2.8	106
15	Extracellular DAMPs in Plants and Mammals: Immunity, Tissue Damage and Repair. <i>Trends in Immunology</i> , 2018, 39, 937-950.	2.9	105
16	Polygalacturonase-inhibiting protein 2 of <i>Phaseolus vulgaris</i> inhibits BcPG1, a polygalacturonase of <i>Botrytis cinerea</i> important for pathogenicity, and protects transgenic plants from infection. <i>Physiological and Molecular Plant Pathology</i> , 2005, 67, 108-115.	1.3	88
17	Antisense Expression of the Arabidopsis thaliana AtPGIP1 Gene Reduces Polygalacturonase-Inhibiting Protein Accumulation and Enhances Susceptibility to <i>Botrytis cinerea</i> . <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 931-936.	1.4	87
18	The Cotton Wall-Associated Kinase GhWAK7A Mediates Responses to Fungal Wilt Pathogens by Complexing with the Chitin Sensory Receptors. <i>Plant Cell</i> , 2020, 32, 3978-4001.	3.1	80

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19	Oligogalacturonide-Auxin Antagonism Does Not Require Posttranscriptional Gene Silencing or Stabilization of Auxin Response Repressors in Arabidopsis. <i>Plant Physiology</i> , 2011, 157, 1163-1174.	2.3	72
20	The Arabidopsis LYSIN MOTIF-CONTAINING RECEPTOR-LIKE KINASE3 Regulates the Cross Talk between Immunity and Abscisic Acid Responses. <i>Plant Physiology</i> , 2014, 165, 262-276.	2.3	71
21	The Arabidopsis thaliana Class III Peroxidase AtPRX71 Negatively Regulates Growth under Physiological Conditions and in Response to Cell Wall Damage.. <i>Plant Physiology</i> , 2015, 169, pp.01464.2015.	2.3	56
22	Biological Elicitors of Plant Secondary Metabolites: Mode of Action and Use in the Production of Nutraceuticals. <i>Advances in Experimental Medicine and Biology</i> , 2010, 698, 152-166.	0.8	53
23	Analysis of pectin mutants and natural accessions of Arabidopsis highlights the impact of de-methyl-esterified homogalacturonan on tissue saccharification. <i>Biotechnology for Biofuels</i> , 2013, 6, 163.	6.2	44
24	Host-derived signals activate plant innate immunity. <i>Plant Signaling and Behavior</i> , 2009, 4, 33-34.	1.2	42
25	Transient silencing of the grapevine gene VvPGIP1 by agroinfiltration with a construct for RNA interference. <i>Plant Cell Reports</i> , 2012, 31, 133-143.	2.8	36
26	Host Cell Wall Damage during Pathogen Infection: Mechanisms of Perception and Role in Plant-Pathogen Interactions. <i>Plants</i> , 2021, 10, 399.	1.6	30
27	Controlled expression of pectic enzymes in Arabidopsis thaliana enhances biomass conversion without adverse effects on growth. <i>Phytochemistry</i> , 2015, 112, 221-230.	1.4	27
28	The Arabidopsis thaliana Lysin Motif-containing Receptor-like Kinase 2 is required for elicitor-induced resistance to pathogens. <i>Plant, Cell and Environment</i> , 2021, 44, 3775-3792.	2.8	22
29	Coordination of five class III peroxidase-encoding genes for early germination events of Arabidopsis thaliana. <i>Plant Science</i> , 2020, 298, 110565.	1.7	20
30	An EFR9 chimera confers enhanced resistance to bacterial pathogens by SOBIR1 and BAK1-dependent recognition of elf18. <i>Molecular Plant Pathology</i> , 2019, 20, 751-764.	2.0	19
31	Integrated plant biotechnologies applied to safer and healthier food production: The Nutra-Snack manufacturing chain. <i>Trends in Food Science and Technology</i> , 2011, 22, 353-366.	7.8	18
32	The plasma membrane-associated Ca ²⁺ -binding protein, PCaP1, is required for oligogalacturonide and flagellin-induced priming and immunity. <i>Plant, Cell and Environment</i> , 2021, 44, 3078-3093.	2.8	12
33	Combination of Pretreatment with White Rot Fungi and Modification of Primary and Secondary Cell Walls Improves Saccharification. <i>Bioenergy Research</i> , 2015, 8, 175-186.	2.2	10
34	Impaired Cuticle Functionality and Robust Resistance to Botrytis cinerea in Arabidopsis thaliana Plants With Altered Homogalacturonan Integrity Are Dependent on the Class III Peroxidase AtPRX71. <i>Frontiers in Plant Science</i> , 2021, 12, 696955.	1.7	9
35	Methods of Isolation and Characterization of Oligogalacturonide Elicitors. <i>Methods in Molecular Biology</i> , 2017, 1578, 25-38.	0.4	8
36	Rha1, a new mutant of Arabidopsis disturbed in root slanting, gravitropism and auxin physiology. <i>Plant Signaling and Behavior</i> , 2008, 3, 989-990.	1.2	2

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37	Editorial for Phytochemistry issue "In Memory of G. Paul Bolwell: Plant Cell Wall Dynamics" TM . Phytochemistry, 2015, 112, 13-14.	1.4	0