

Pierre PÃ©triacq

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,648
citations

304743

22
h-index

345221

36
g-index

39
all docs

39
docs citations

39
times ranked

1989
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictive metabolomics of multiple Atacama plant species unveils a core set of generic metabolites for extreme climate resilience. <i>New Phytologist</i> , 2022, 234, 1614-1628.	7.3	17
2	Untangling plant immune responses through metabolomics. <i>Advances in Botanical Research</i> , 2021, 98, 73-105.	1.1	4
3	Developmental metabolomics to decipher and improve fleshy fruit quality. <i>Advances in Botanical Research</i> , 2021, 98, 3-34.	1.1	6
4	Overproduction of ascorbic acid impairs pollen fertility in tomato. <i>Journal of Experimental Botany</i> , 2021, 72, 3091-3107.	4.8	30
5	Population genomics of apricots unravels domestication history and adaptive events. <i>Nature Communications</i> , 2021, 12, 3956.	12.8	45
6	Unravelling Plant Responses to Stress – The Importance of Targeted and Untargeted Metabolomics. <i>Metabolites</i> , 2021, 11, 558.	2.9	21
7	Plant metabolomics and breeding. <i>Advances in Botanical Research</i> , 2021, , 207-235.	1.1	7
8	The Evolution of Leaf Function during Development Is Reflected in Profound Changes in the Metabolic Composition of the Vacuole. <i>Metabolites</i> , 2021, 11, 848.	2.9	4
9	Special Issue on “Fruit Metabolism and Metabolomics”. <i>Metabolites</i> , 2020, 10, 230.	2.9	2
10	Editorial: NAD Metabolism and Signaling in Plants. <i>Frontiers in Plant Science</i> , 2020, 11, 146.	3.6	3
11	Metabolomics to Exploit the Primed Immune System of Tomato Fruit. <i>Metabolites</i> , 2020, 10, 96.	2.9	28
12	Molecular underpinnings of methyl jasmonate-induced resistance in Norway spruce. <i>Plant, Cell and Environment</i> , 2020, 43, 1827-1843.	5.7	30
13	Regulation of Pyridine Nucleotide Metabolism During Tomato Fruit Development Through Transcript and Protein Profiling. <i>Frontiers in Plant Science</i> , 2019, 10, 1201.	3.6	20
14	Get the Balance Right: ROS Homeostasis and Redox Signalling in Fruit. <i>Frontiers in Plant Science</i> , 2019, 10, 1091.	3.6	127
15	Modeling Protein Destiny in Developing Fruit. <i>Plant Physiology</i> , 2019, 180, 1709-1724.	4.8	33
16	Metabolic regulation of the maize rhizobiome by benzoxazinoids. <i>ISME Journal</i> , 2019, 13, 1647-1658.	9.8	210
17	An Adjustable Protocol to Analyze Chemical Profiles of Non-sterile Rhizosphere Soil. <i>Bio-protocol</i> , 2019, 9, e3245.	0.4	0
18	Chemical priming of immunity without costs to plant growth. <i>New Phytologist</i> , 2018, 218, 1205-1216.	7.3	67

#	ARTICLE	IF	CITATIONS
19	Mechanisms of glacial to future atmospheric CO_2 effects on plant immunity. <i>New Phytologist</i> , 2018, 218, 752-761.	7.3	38
20	More to NAD^+ than meets the eye: A regulator of metabolic pools and gene expression in Arabidopsis. <i>Free Radical Biology and Medicine</i> , 2018, 122, 86-95.	2.9	49
21	Characterization of l-aspartate oxidase from Arabidopsis thaliana. <i>Plant Science</i> , 2018, 271, 133-142.	3.6	29
22	Long-lasting γ -aminobutyric acid-induced resistance protects tomato fruit against <i>Botrytis cinerea</i> . <i>Plant Pathology</i> , 2018, 67, 30-41.	2.4	58
23	NAD^+ Biosynthesis and Signaling in Plants. <i>Critical Reviews in Plant Sciences</i> , 2018, 37, 259-307.	5.7	71
24	Fruit Decay to Diseases: Can Induced Resistance and Priming Help?. <i>Plants</i> , 2018, 7, 77.	3.5	48
25	Impacts of Atmospheric CO_2 and Soil Nutritional Value on Plant Responses to Rhizosphere Colonization by Soil Bacteria. <i>Frontiers in Plant Science</i> , 2018, 9, 1493.	3.6	21
26	Metabolite profiling of non-sterile rhizosphere soil. <i>Plant Journal</i> , 2017, 92, 147-162.	5.7	141
27	Photoperiod Affects the Phenotype of Mitochondrial Complex I Mutants. <i>Plant Physiology</i> , 2017, 173, 434-455.	4.8	22
28	Manipulation of ABA Content in Arabidopsis thaliana Modifies Sensitivity and Oxidative Stress Response to <i>Dickeya dadantii</i> and Influences Peroxidase Activity. <i>Frontiers in Plant Science</i> , 2017, 8, 456.	3.6	17
29	Changes of Metabolites Status in Plant Pathogen Interaction. <i>Advanced Science Letters</i> , 2017, 23, 4623-4626.	0.2	4
30	NAD^+ Acts as an Integral Regulator of Multiple Defense Layers. <i>Plant Physiology</i> , 2016, 172, 1465-1479.	4.8	85
31	Pyridine nucleotides induce changes in cytosolic pools of calcium in Arabidopsis. <i>Plant Signaling and Behavior</i> , 2016, 11, e1249082.	2.4	8
32	Spore Density Determines Infection Strategy by the Plant Pathogenic Fungus <i>Plectosphaerella cucumerina</i> . <i>Plant Physiology</i> , 2016, 170, 2325-2339.	4.8	56
33	Plant perception of γ -aminobutyric acid is mediated by an aspartyl-tRNA synthetase. <i>Nature Chemical Biology</i> , 2014, 10, 450-456.	8.0	128
34	NAD^+ . <i>Plant Signaling and Behavior</i> , 2013, 8, e22477.	2.4	60
35	Inducible NAD^+ overproduction in Arabidopsis alters metabolic pools and gene expression correlated with increased salicylate content and resistance to <i>Pst</i> AvrRpm1. <i>Plant Journal</i> , 2012, 70, 650-665.	5.7	95
36	Respiratory complex I deficiency induces drought tolerance by impacting leaf stomatal and hydraulic conductances. <i>Planta</i> , 2012, 235, 603-614.	3.2	30

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37	Liquid chromatography/time-of-flight mass spectrometry for the analysis of plant samples: A method for simultaneous screening of common cofactors or nucleotides and application to an engineered plant line. <i>Plant Physiology and Biochemistry</i> , 2011, 49, 1117-1125.	5.8	29