Pierre PÃ©triacq

List of Publications by Year
in descending order

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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	Metabolic regulation of the maize rhizobiome by benzoxazinoids. ISME Journal, 2019, 13, 1647-1658.	9.8	210
2	Metabolite profiling of nonâ€sterile rhizosphere soil. Plant Journal, 2017, 92, 147-162.	5.7	141
3	Plant perception of Î²-aminobutyric acid is mediated by an aspartyl-tRNA synthetase. Nature Chemical Biology, 2014, 10, 450-456.	8.0	128
4	Get the Balance Right: ROS Homeostasis and Redox Signalling in Fruit. Frontiers in Plant Science, 2019, 10, 1091.	3.6	127
5	Inducible NAD overproduction in Arabidopsis alters metabolic pools and gene expression correlated with increased salicylate content and resistance to Pstâ€AvrRpm1. Plant Journal, 2012, 70, 650-665.	5.7	95
6	NAD Acts as an Integral Regulator of Multiple Defense Layers. Plant Physiology, 2016, 172, 1465-1479.	4.8	85
7	NAD⁺Biosynthesis and Signaling in Plants. Critical Reviews in Plant Sciences, 2018, 37, 259-307.	5.7	71
8	Chemical priming of immunity without costs to plant growth. New Phytologist, 2018, 218, 1205-1216.	7.3	67
9	NAD. Plant Signaling and Behavior, 2013, 8, e22477.	2.4	60
10	Longâ€lasting Î²â€aminobutyric acidâ€induced resistance protects tomato fruit against Botrytis cinerea. Plant Pathology, 2018, 67, 30-41.	2.4	58
11	Spore Density Determines Infection Strategy by the Plant Pathogenic Fungus Plectosphaerella cucumerina. Plant Physiology, 2016, 170, 2325-2339.	4.8	56
12	More to NAD+ than meets the eye: A regulator of metabolic pools and gene expression in Arabidopsis. Free Radical Biology and Medicine, 2018, 122, 86-95.	2.9	49
13	Fruit Decay to Diseases: Can Induced Resistance and Priming Help?. Plants, 2018, 7, 77.	3.5	48
14	Population genomics of apricots unravels domestication history and adaptive events. Nature Communications, 2021, 12, 3956.	12.8	45
15	Mechanisms of glacialâ€toâ€future atmospheric <scp>CO</scp>₂ effects on plant immunity. New Phytologist, 2018, 218, 752-761.	7.3	38
16	Modeling Protein Destiny in Developing Fruit. Plant Physiology, 2019, 180, 1709-1724.	4.8	33
17	Respiratory complex I deficiency induces drought tolerance by impacting leaf stomatal and hydraulic conductances. Planta, 2012, 235, 603-614.	3.2	30
18	Molecular underpinnings of methyl jasmonateâ€induced resistance in Norway spruce. Plant, Cell and Environment, 2020, 43, 1827-1843.	5.7	30

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19	Overproduction of ascorbic acid impairs pollen fertility in tomato. Journal of Experimental Botany, 2021, 72, 3091-3107.	4.8	30
20	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. Plant Physiology and Biochemistry, 2011, 49, 1117-1125.	5.8	29
21	Characterization of l -aspartate oxidase from Arabidopsis thaliana. Plant Science, 2018, 271, 133-142.	3.6	29
22	Metabolomics to Exploit the Primed Immune System of Tomato Fruit. Metabolites, 2020, 10, 96.	2.9	28
23	Photoperiod Affects the Phenotype of Mitochondrial Complex I Mutants. Plant Physiology, 2017, 173, 434-455.	4.8	22
24	Impacts of Atmospheric CO2 and Soil Nutritional Value on Plant Responses to Rhizosphere Colonization by Soil Bacteria. Frontiers in Plant Science, 2018, 9, 1493.	3.6	21
25	Unravelling Plant Responses to Stressâ€"The Importance of Targeted and Untargeted Metabolomics. Metabolites, 2021, 11, 558.	2.9	21
26	Regulation of Pyridine Nucleotide Metabolism During Tomato Fruit Development Through Transcript and Protein Profiling. Frontiers in Plant Science, 2019, 10, 1201.	3.6	20
27	Manipulation of ABA Content in Arabidopsis thaliana Modifies Sensitivity and Oxidative Stress Response to Dickeya dadantii and Influences Peroxidase Activity. Frontiers in Plant Science, 2017, 8, 456.	3.6	17
28	Predictive metabolomics of multiple Atacama plant species unveils a core set of generic metabolites for extreme climate resilience. New Phytologist, 2022, 234, 1614-1628.	7.3	17
29	Pyridine nucleotides induce changes in cytosolic pools of calcium in Arabidopsis. Plant Signaling and Behavior, 2016, 11, e1249082.	2.4	8
30	Plant metabolomics and breeding. Advances in Botanical Research, 2021, , 207-235.	1.1	7
31	Developmental metabolomics to decipher and improve fleshy fruit quality. Advances in Botanical Research, 2021, 98, 3-34.	1.1	6
32	Untangling plant immune responses through metabolomics. Advances in Botanical Research, 2021, 98, 73-105.	1.1	4
33	Changes of Metabolites Status in Plant Pathogen Interaction. Advanced Science Letters, 2017, 23, 4623-4626.	0.2	4
34	The Evolution of Leaf Function during Development Is Reflected in Profound Changes in the Metabolic Composition of the Vacuole. Metabolites, 2021, 11, 848.	2.9	4
35	Editorial: NAD Metabolism and Signaling in Plants. Frontiers in Plant Science, 2020, 11, 146.	3.6	3
36	Special Issue on â€œFruit Metabolism and Metabolomicsâ€: Metabolites, 2020, 10, 230.	2.9	2

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37	An Adjustable Protocol to Analyze Chemical Profiles of Non-sterile Rhizosphere Soil. Bio-protocol, 2019, 9, e3245.	0.4	0