Ian A Dubery

List of Publications by Year
in descending order

189 papers	6,005 citations	87888 38 h-index	98798 67 g-index
191 all docs	191 docs citations	191 times ranked	6165 citing authors

#	Article	IF	Citations
1	From The Cover: Innate immunity in Arabidopsis thaliana: Lipopolysaccharides activate nitric oxide synthase (NOS) and induce defense genes. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15811-15816.	7.1	588
2	The Chemistry of Plantâ€“Microbe Interactions in the Rhizosphere and the Potential for Metabolomics to Reveal Signaling Related to Defense Priming and Induced Systemic Resistance. Frontiers in Plant Science, 2018, 9, 112.	3.6	338
3	Pentacyclic Triterpenoids from the Medicinal Herb, Centella asiatica (L.) Urban. Molecules, 2009, 14, 3922-3941.	3.8	253
4	Functional Roles of microRNAs in Agronomically Important Plantsâ€”Potential as Targets for Crop Improvement and Protection. Frontiers in Plant Science, 2017, 8, 378.	3.6	184
5	Soluble and wall-bound phenolics and phenolic polymers in Musa acuminata roots exposed to elicitors from Fusarium oxysporum f.sp. cubense. Phytochemistry, 2003, 63, 679-686.	2.9	167
6	Plant metabolomics: A new frontier in phytochemical analysis. South African Journal of Science, 2013, 109, 11.	0.7	125
7	Analyses of chlorogenic acids and related cinnamic acid derivatives from Nicotiana tabacumtissues with the aid of UPLC-QTOF-MS/MS based on the in-source collision-induced dissociation method. Chemistry Central Journal, 2014, 8, 66.	2.6	116
8	Biostimulants for Plant Growth and Mitigation of Abiotic Stresses: A Metabolomics Perspective. Metabolites, 2020, 10, 505.	2.9	116
9	Cell wall reinforcement in cotton hypocotyls in response to a Verticillium dahliae elicitor. Phytochemistry, 1997, 44, 811-815.	2.9	107
10	Self/nonself perception and recognition mechanisms in plants: a comparison of selfâ€incompatibility and innate immunity. New Phytologist, 2008, 178, 503-514.	7.3	101
11	Panama Disease: Cell Wall Reinforcement in Banana Roots in Response to Elicitors from Fusarium oxysporum f. sp. cubense Race Four. Phytopathology, 2000, 90, 1173-1180.	2.2	96
12	Early perception responses of Nicotiana tabacum cells in response to lipopolysaccharides from Burkholderia cepacia. Planta, 2004, 218, 647-657.	3.2	92
13	Lipopolysaccharides from Burkholderia cepacia contribute to an enhanced defensive capacity and the induction of pathogenesis-related proteins in Nicotianae tabacum. Physiological and Molecular Plant Pathology, 2001, 58, 149-158.	2.5	85
14	Metabolomics in Plant Priming Research: The Way Forward?. International Journal of Molecular Sciences, 2018, 19, 1759.	4.1	83
15	Metabolomic Analysis of Defense-Related Reprogramming in Sorghum bicolor in Response to Colletotrichum sublineolum Infection Reveals a Functional Metabolic Web of Phenylpropanoid and Flavonoid Pathways. Frontiers in Plant Science, 2018, 9, 1840.	3.6	83
16	Self/non-self perception in plants in innate immunity and defense. Self/nonself, 2010, 1, 40-54.	2.0	81
17	Assessment of a simple, non-toxic alamar blue cell survival assay to monitor tomato cell viability. Phytochemical Analysis, 2001, 12, 340-346.	2.4	69
18	Rhizobacteria-induced systemic tolerance against drought stress in Sorghum bicolor (L.) Moench. Microbiological Research, 2020, 232, 126388.	5.3	69

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19	A Conversation on Data Mining Strategies in LC-MS Untargeted Metabolomics: Pre-Processing and Pre-Treatment Steps. Metabolites, 2016, 6, 40.	2.9	62
20	Ergosterol, an orphan fungal microbeâ€associated molecular pattern (<scp>MAMP</scp>). Molecular Plant Pathology, 2014, 15, 747-761.	4.2	58
21	The potential of mass spectrometry imaging in plant metabolomics: a review. Phytochemistry Reviews, 2016, 15, 297-316.	6.5	58
22	Metabolomic Profiling of the Host Response of Tomato (Solanum lycopersicum) Following Infection by Ralstonia solanacearum. International Journal of Molecular Sciences, 2019, 20, 3945.	4.1	54
23	Multi-Platform Metabolomic Analyses of Ergosterol-Induced Dynamic Changes in Nicotiana tabacum Cells. PLoS ONE, 2014, 9, e87846.	2.5	53
24	Induced defence responses in cotton leaf disks by elicitors from Verticillium dahliae. Phytochemistry, 1997, 44, 1429-1434.	2.9	52
25	A phytotoxic protein-lipopolysaccharide complex produced by Verticillium dahliae. Phytochemistry, 1994, 35, 1449-1453.	2.9	51
26	Hydroxycinnamate Amides: Intriguing Conjugates of Plant Protective Metabolites. Trends in Plant Science, 2021, 26, 184-195.	8.8	51
27	Metabolomic Analysis of Methyl Jasmonate-Induced Triterpenoid Production in the Medicinal Herb Centella asiatica (L.) Urban. Molecules, 2013, 18, 4267-4281.	3.8	50
28	Lipopolysaccharide-responsive phosphoproteins inÂNicotianaÂtabacum cells. Plant Physiology and Biochemistry, 2006, 44, 369-379.	5.8	48
29	Identification and quantification of triterpenoid centelloids inCentella asiatica(L.) Urban by densitometric TLC. Journal of Planar Chromatography - Modern TLC, 2011, 24, 82-87.	1.2	48
30	Distinct carbohydrate and lipid-based molecular patterns within lipopolysaccharides fromBurkholderia cepaciacontribute to defense-associated differential gene expression inArabidopsis thaliana. Innate Immunity, 2012, 18, 140-154.	2.4	48
31	Differential display profiling of the Nicotiana response to LPS reveals elements of plant basal resistance. Biochemical and Biophysical Research Communications, 2006, 344, 1001-1007.	2.1	47
32	Differential extraction of phytochemicals from the multipurpose tree, Moringa oleifera, using green extraction solvents. South African Journal of Botany, 2018, 115, 81-89.	2.5	47
33	Phenylpropanoid Defences in Nicotiana tabacum Cells: Overlapping Metabolomes Indicate Common Aspects to Priming Responses Induced by Lipopolysaccharides, Chitosan and Flagellin-22. PLoS ONE, 2016, 11, e0151350.	2.5	46
34	Multivariate statistical models of metabolomic data reveals different metabolite distribution patterns in isonitrosoacetophenone-elicited Nicotiana tabacum and Sorghum bicolor cells. SpringerPlus, 2014, 3, 254.	1.2	45
35	Structural Elucidation of cis/trans Dicaffeoylquinic Acid Photoisomerization Using Ion Mobility Spectrometry-Mass Spectrometry. Journal of Physical Chemistry Letters, 2017, 8, 1381-1388.	4.6	45
36	Profiling of Altered Metabolomic States in Nicotiana tabacum Cells Induced by Priming Agents. Frontiers in Plant Science, 2016, 7, 1527.	3.6	44

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37	Perturbation of pharmacologically relevant polyphenolic compounds in Moringa oleifera against photo-oxidative damages imposed by gamma radiation. Journal of Photochemistry and Photobiology B: Biology, 2016, 156, 79-86.	3.8	44
38	Metabolic Profiling of PGPR-Treated Tomato Plants Reveal Priming-Related Adaptations of Secondary Metabolites and Aromatic Amino Acids. Metabolites, 2020, 10, 210.	2.9	44
39	Molecular characterisation and regulation of a Nicotiana tabacum S-domain receptor-like kinase gene induced during an early rapid response to lipopolysaccharides. Gene, 2012, 501, 39-48.	2.2	43
40	Priming agents of plant defence stimulate the accumulation of mono- and di-acylated quinic acids in cultured tobacco cells. Physiological and Molecular Plant Pathology, 2014, 88, 61-66.	2.5	41
41	Untargeted Metabolomics Reveal Defensome-Related Metabolic Reprogramming in Sorghum bicolor against Infection by Burkholderia andropogonis. Metabolites, 2019, 9, 8.	2.9	41
42	Metabolomics: A Tool for Cultivar Phenotyping and Investigation of Grain Crops. Agronomy, 2020, 10, 831.	3.0	40
43	Characterisation of two phenotypes of Centella asiatica in Southern Africa through the composition of four triterpenoids in callus, cell suspensions and leaves. Plant Cell, Tissue and Organ Culture, 2008, 94, 91-99.	2.3	39
44	Profiling of Chlorogenic Acids from Bidens pilosa and Differentiation of Closely Related Positional Isomers with the Aid of UHPLC-QTOF-MS/MS-Based In-Source Collision-Induced Dissociation. Metabolites, 2020, 10, 178.	2.9	38
45	Inhibition of polygalacturonase from Verticillium dahliae by a polygalacturonase inhibiting protein from cotton. Phytochemistry, 2001, 57, 149-156.	2.9	37
46	Identification of a lipopolysaccharide responsive erk-like MAP kinase in tobacco leaf tissue. Molecular Plant Pathology, 2004, 5, 331-341.	4.2	37
47	Phenylalanine ammonia-lyase from cotton (Gossypium hirsutum) hypocotyls: properties of the enzyme induced by a Verticillium dahliae phytotoxin. BBA - Proteins and Proteomics, 1994, 1207, 24-30.	2.1	36
48	Bean polygalacturonase inhibitor protein-1 (PGIP-1) inhibits polygalacturonases from Stenocarpella maydis. Physiological and Molecular Plant Pathology, 2000, 57, 5-14.	2.5	36
49	Fluorescence microplate assay for the detection of oxidative burst products in tobacco cell suspensions using 2?,7?-dichlorofluorescein. Cytotechnology, 2004, 25, 115-122.	0.7	36
50	A Metabolomic Landscape of Maize Plants Treated With a Microbial Biostimulant Under Well-Watered and Drought Conditions. Frontiers in Plant Science, 2021, 12, 676632.	3.6	36
51	Biochemical changes involved in stress response and ripening behaviour of Î³-irradiated mango fruit. Phytochemistry, 1987, 26, 684-686.	2.9	35
52	Stress responses in alfalfa (Medicago sativa L.). 8. Cis-elements and trans-acting factors for the quantitative expression of a bean chalcone synthase gene promoter in electroporated alfalfa protoplasts. Plant Molecular Biology, 1991, 16, 877-890.	3.9	34
53	Protein phosphorylation in Nicotiana tabacum cells in response to perception of lipopolysaccharides from Burkholderia cepacia. Phytochemistry, 2004, 65, 2957-2966.	2.9	34
54	Proteomic profiling of cellular targets of lipopolysaccharide-induced signalling in Nicotiana tabacum BY-2 cells. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2008, 1784, 1750-1762.	2.3	34

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55	Soil Salinity, a Serious Environmental Issue and Plant Responses: A Metabolomics Perspective. Metabolites, 2021, 11, 724.	2.9	34
56	Deciphering the structural and biological properties of the lipid A moiety of lipopolysaccharides from Burkholderia cepacia strain ASP B 2D, in Arabidopsis thaliana. Glycobiology, 2011, 21, 184-194.	2.5	33
57	Comparative Metabolic Phenotyping of Tomato (Solanum lycopersicum) for the Identification of Metabolic Signatures in Cultivars Differing in Resistance to Ralstonia solanacearum. International Journal of Molecular Sciences, 2018, 19, 2558.	4.1	33
58	Rhizosphere Tripartite Interactions and PGPR-Mediated Metabolic Reprogramming towards ISR and Plant Priming: A Metabolomics Review. Biology, 2022, 11, 346.	2.8	33
59	Preferential alkali metal adduct formation by cis geometrical isomers of dicaffeoylquinic acids allows for efficient discrimination from their trans isomers during ultraâ€highâ€performance liquid chromatography/quadrupole timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2016, 30, 1011-1018.	1.5	32
60	Apple polygalacturonase inhibiting protein1 expressed in transgenic tobacco inhibits polygalacturonases from fungal pathogens of apple and the anthracnose pathogen of lupins. Phytochemistry, 2006, 67, 255-263.	2.9	31
61	The Lipopolysaccharide-Induced Metabolome Signature in Arabidopsis thaliana Reveals Dynamic Reprogramming of Phytoalexin and Phytoanticipin Pathways. PLoS ONE, 2016, 11, e0163572.	2.5	30
62	Distribution patterns of flavonoids from three Momordica species by ultra-high performance liquid chromatography quadrupole time of flight mass spectrometry: a metabolomic profiling approach. Revista Brasileira De Farmacognosia, 2016, 26, 507-513.	1.4	29
63	Plant Responses to Abiotic Stresses and Rhizobacterial Biostimulants: Metabolomics and Epigenetics Perspectives. Metabolites, 2021, 11, 457.	2.9	28
64	Secondary metabolite perturbations in Phaseolus vulgaris leaves due to gamma radiation. Plant Physiology and Biochemistry, 2015, 97, 287-295.	5.8	27
65	Malic enzyme activity and related Biochemical aspects during ripening of Î³-irradiated mango fruit. Phytochemistry, 1984, 23, 1383-1386.	2.9	26
66	Identification and quantification of methyl jasmonate in leaf volatiles of Arabidopsis thaliana using solid-phase microextraction in combination with gas chromatography and mass spectrometry. Phytochemical Analysis, 2003, 14, 155-159.	2.4	26
67	Collision energy alteration during mass spectrometric acquisition is essential to ensure unbiased metabolomic analysis. Analytical and Bioanalytical Chemistry, 2012, 404, 367-372.	3.7	26
68	A Metabolomics-Guided Exploration of the Phytochemical Constituents of Vernonia fastigiata with the Aid of Pressurized Hot Water Extraction and Liquid Chromatography-Mass Spectrometry. Molecules, 2017, 22, 1200.	3.8	26
69	Ergosterol-Induced Sesquiterpenoid Synthesis in Tobacco Cells. Molecules, 2012, 17, 1698-1715.	3.8	25
70	Metabolomics-derived insights into the manipulation of terpenoid synthesis in Centella asiatica cells by methyl jasmonate. Plant Biotechnology Reports, 2015, 9, 125-136.	1.5	25
71	Similar, but different: structurally related azelaic acid and hexanoic acid trigger differential metabolomic and transcriptomic responses in tobacco cells. BMC Plant Biology, 2017, 17, 227.	3.6	25
72	Synthesis and evaluation of 4-(3-methyl-2-butenoxy) isonitrosoacetophenone, a radiation-induced stress metabolite in Citrus. Phytochemistry, 1999, 50, 983-989.	2.9	24

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73	Benzothiadiazole inhibits mitochondrial NADH:ubiquinone oxidoreductase in tobacco. Journal of Plant Physiology, 2006, 163, 877-882.	3.5	24
74	Molecular mechanisms associated with microbial biostimulant-mediated growth enhancement, priming and drought stress tolerance in maize plants. Scientific Reports, 2022, 12, .	3.3	24
75	Identification of lipopolysaccharide-interacting plasma membrane-type proteins in Arabidopsis thaliana. Plant Physiology and Biochemistry, 2017, 111, 155-165.	5.8	23
76	Characterization of a Î³-radiation-induced antifungal stress metabolite in citrus peel. Phytochemistry, 1988, 27, 2769-2772.	2.9	22
77	Optimization of Pressurized Hot Water Extraction of Flavonoids from Momordica foetida Using UHPLC-qTOF-MS and Multivariate Chemometric Approaches. Food Analytical Methods, 2016, 9, 1480-1489.	2.6	22
78	Unravelling the Metabolic Reconfiguration of the Post-Challenge Primed State in Sorghum bicolor Responding to Colletotrichum sublineolum Infection. Metabolites, 2019, 9, 194.	2.9	22
79	Metabolomic Evaluation of Tissue-Specific Defense Responses in Tomato Plants Modulated by PGPR-Priming against Phytophthora capsici Infection. Plants, 2021, 10, 1530.	3.5	21
80	Activation of camalexin biosynthesis in Arabidopsis thaliana in response to perception of bacterial lipopolysaccharides: a gene-to-metabolite study. Planta, 2012, 236, 261-272.	3.2	20
81	Metabolomics for Biomarker Discovery: Key Signatory Metabolic Profiles for the Identification and Discrimination of Oat Cultivars. Metabolites, 2021, 11, 165.	2.9	20
82	Lipopolysaccharide mobility in leaf tissue of Arabidopsis thaliana. Molecular Plant Pathology, 2010, 11, 747-755.	4.2	19
83	Simultaneous analysis of defenseâ€related phytohormones in Arabidopsis thaliana responding to fungal infection. Applications in Plant Sciences, 2016, 4, 1600013.	2.1	19
84	Differential Metabolic Reprogramming in Paenibacillus alvei-Primed Sorghum bicolor Seedlings in Response to Fusarium pseudograminearum Infection. Metabolites, 2019, 9, 150.	2.9	19
85	Lipopolysaccharide perception leads to dynamic alterations in the microtranscriptome of Arabidopsis thaliana cells and leaf tissues. BMC Plant Biology, 2015, 15, 79.	3.6	18
86	Mass spectrometry in untargeted liquid chromatography/mass spectrometry metabolomics: Electrospray ionisation parameters and global coverage of the metabolome. Rapid Communications in Mass Spectrometry, 2018, 32, 121-132.	1.5	18
87	Adaptive defence-related changes in the metabolome of Sorghum bicolor cells in response to lipopolysaccharides of the pathogen Burkholderia andropogonis. Scientific Reports, 2020, 10, 7626.	3.3	18
88	The presence of oxygenated lipids in plant defense in response to biotic stress: a metabolomics appraisal. Plant Signaling and Behavior, 2021, 16, 1989215.	2.4	18
89	Elicitation of enhanced phenylpropanoid metabolism in citrus flavedo by gamma-radiation. Phytochemistry, 1992, 31, 2659-2662.	2.9	17
90	Early Responses in Methyl Jasmonate-Preconditioned Cells toward Pathogen-Derived Elicitors. Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications, 2000, 3, 105-110.	1.6	17

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91	Metabolomic fingerprinting of primed tobacco cells provide the first evidence for the biological origin of cis-chlorogenic acid. Biotechnology Letters, 2015, 37, 205-209.	2.2	17
92	The Effect of Geometrical Isomerism of 3,5-Dicaffeoylquinic Acid on Its Binding Affinity to HIV-Integrase Enzyme: A Molecular Docking Study. Evidence-based Complementary and Alternative Medicine, 2016, 2016, 1-9.	1.2	17
93	Identification of Candidate Ergosterol-Responsive Proteins Associated with the Plasma Membrane of Arabidopsis thaliana. International Journal of Molecular Sciences, 2019, 20, 1302.	4.1	17
94	Antimicrobial Compounds from Coleonema album (Rutaceae). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 489-498.	1.4	16
95	The O-specific polysaccharide structure from the lipopolysaccharide of the Gram-negative bacterium Raoultella terrigena. Carbohydrate Research, 2007, 342, 1514-1518.	2.3	16
96	High-affinity binding of a protein-lipopolysaccharide phytotoxin from Verticillium dahliae to cotton membranes. FEBS Letters, 1993, 335, 203-206.	2.8	15
97	Purification and characterization of cactorein, a phytotoxin secreted by Phytophthora cactorum. Phytochemistry, 1994, 35, 307-312.	2.9	15
98	Chalcone isomerase from Citrus sinensis: Purification and characterization. Phytochemistry, 1994, 37, 127-132.	2.9	15
99	The O-chain structure from the LPS of the endophytic bacterium Burkholderia cepacia strain ASP B 2D. Carbohydrate Research, 2006, 341, 2954-2958.	2.3	15
100	Metabolomics-guided investigations of unintended effects of the expression of the hydroxycinnamoyl quinate hydroxycinnamoyltransferase (hqt1) gene from Cynara cardunculus var. scolymus in Nicotiana tabacum cell cultures. Plant Physiology and Biochemistry, 2018, 127, 287-298.	5.8	15
101	Metabolite profiling of the undifferentiated cultured cells and differentiated leaf tissues of Centella asiatica. Plant Cell, Tissue and Organ Culture, 2017, 129, 431-443.	2.3	14
102	Identification of MAMP-Responsive Plasma Membrane-Associated Proteins in Arabidopsis thaliana Following Challenge with Different LPS Chemotypes from Xanthomonas campestris. Pathogens, 2020, 9, 787.	2.8	14
103	Concurrent Metabolic Profiling and Quantification of Aromatic Amino Acids and Phytohormones in Solanum lycopersicum Plants Responding to Phytophthora capsici. Metabolites, 2020, 10, 466.	2.9	14
104	Induction of defence responses in cultured tobacco cells by elicitors from Phytophthora nicotanae. International Journal of Biochemistry and Cell Biology, 1996, 28, 295-301.	2.8	13
105	Identification and quantification of gossypol in cotton by using packed micro-tips columns in combination with HPLC. Analytical and Bioanalytical Chemistry, 2004, 380, 719-724.	3.7	13
106	Nonself Perception in Plant Innate Immunity. Advances in Experimental Medicine and Biology, 2012, 738, 79-107.	1.6	13
107	Metabolomic analysis of isonitrosoacetophenone-induced perturbations in phenolic metabolism of Nicotiana tabacum cells. Phytochemistry, 2013, 94, 82-90.	2.9	13
108	Alternative splicing of the receptorâ€like kinase Ntâ€Sdâ€<scp>RLK</scp> in tobacco cells responding to lipopolysaccharides: suggestive of a role in pathogen surveillance and perception?. FEBS Letters, 2016, 590, 3628-3638.	2.8	13

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109	Ambrafuran (AmbroxTM) Synthesis from Natural Plant Product Precursors. Molecules, 2020, 25, 3851.	3.8	13
110	Application of Plant Growth Regulators Modulates the Profile of Chlorogenic Acids in Cultured Bidens pilosa Cells. Plants, 2021, 10, 437.	3.5	13
111	Comparative Metabolite Profiling of Wheat Cultivars (Triticum aestivum) Reveals Signatory Markers for Resistance and Susceptibility to Stripe Rust and Aluminium (Al3+) Toxicity. Metabolites, 2022, 12, 98.	2.9	13
112	Purification and characterization of the NADP-linked malate dehydrogenase (decarboxylating) from Mangifera indica. Biochimica Et Biophysica Acta - Biomembranes, 1981, 662, 102-110.	2.6	12
113	Purification and properties of an esterase from Cucurbita maxima fruit tissue. Phytochemistry, 1989, 28, 379-383.	2.9	12
114	Identification and Molecular Characterisation of a Lectin Receptor-like Kinase (GhLecRK-2) from Cotton. Plant Molecular Biology Reporter, 2013, 31, 9-20.	1.8	12
115	Time-resolved decoding of metabolic signatures of in vitro growth of the hemibiotrophic pathogen Colletotrichum sublineolum. Scientific Reports, 2019, 9, 3290.	3.3	12
116	Protein kinase activities in ripening mango, Mangifera indica L., fruit tissue. BBA - Proteins and Proteomics, 1998, 1387, 342-354.	2.1	11
117	Identification of a cytochrome P450 cDNA (CYP98A5) from Phaseolus vulgaris, inducible by 3,5-dichlorosalicylic acid and 2,6-dichloro isonicotinic acid. Journal of Plant Physiology, 2007, 164, 421-428.	3.5	11
118	Comparative conventional- and quantum dot-labeling strategies for LPS binding site detection in Arabidopsis thaliana mesophyll protoplasts. Frontiers in Plant Science, 2015, 6, 335.	3.6	11
119	In silico characterization and expression analysis of selected Arabidopsis receptor-like kinase genes responsive to different MAMP inducers. Biologia Plantarum, 2015, 59, 18-28.	1.9	11
120	Chlorogenic Acids Biosynthesis in Centella asiatica Cells Is not Stimulated by Salicylic Acid Manipulation. Applied Biochemistry and Biotechnology, 2016, 179, 685-696.	2.9	11
121	Deciphering the Resistance Mechanism of Tomato Plants Against Whitefly-Mediated Tomato Curly Stunt Virus Infection through Ultra-High-Performance Liquid Chromatography Coupled to Mass Spectrometry (UHPLC-MS)-Based Metabolomics Approaches. Metabolites, 2019, 9, 60.	2.9	11
122	Lipopolysaccharide perception in Arabidopsis thaliana: Diverse LPS chemotypes from Burkholderia cepacia, Pseudomonas syringae and Xanthomonas campestris trigger differential defence-related perturbations in the metabolome. Plant Physiology and Biochemistry, 2020, 156, 267-277.	5.8	11
123	A Metabolomics Approach and Chemometric Tools for Differentiation of Barley Cultivars and Biomarker Discovery. Metabolites, 2021, 11, 578.	2.9	11
124	An elicitor-and pathogen-induced cdna from potato encodes a stress-responsive cyclophilin. Biologia Plantarum, 2007, 51, 327-332.	1.9	10
125	The NAC transcription factor gene ANAC072 is differentially expressed in Arabidopsis thaliana in response to microbe-associated molecular pattern (MAMP) molecules. Physiological and Molecular Plant Pathology, 2012, 80, 19-27.	2.5	10
126	Rhizobacteria-induced systemic resilience in Sorghum bicolor (L.) moench against Fusarium pseudograminearum crown rot under drought stress conditions. Biological Control, 2020, 151, 104395.	3.0	10

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127	Prospects of Gene Knockouts in the Functional Study of MAMP-Triggered Immunity: A Review. International Journal of Molecular Sciences, 2020, 21, 2540.	4.1	10
128	Effect of hydroxylated and methoxylated coumarins on the regulatory properties of phenylalanine ammonia-lyase from Citrus sinensis. Phytochemistry, 1990, 29, 2107-2108.	2.9	9
129	Specific binding of a Verticillium dahliae phytotoxin to protoplasts of cotton, Gossypium hirsutum. Plant Cell Reports, 1996, 15, 777-780.	5.6	9
130	Quantification of camalexin, a phytoalexin from Arabidopsis thaliana: A comparison of five analytical methods. Analytical Biochemistry, 2011, 419, 260-265.	2.4	9
131	Isonitrosoacetophenone Drives Transcriptional Reprogramming in Nicotiana tabacum Cells in Support of Innate Immunity and Defense. PLoS ONE, 2015, 10, e0117377.	2.5	9
132	Extraction of phthalic acid esters from soil samples using aqueous room temperature sonication coupled to bubble-in-drop single-drop microextraction. International Journal of Environmental Analytical Chemistry, 2019, 99, 1198-1210.	3.3	9
133	Altered metabolomic states elicited by Flg22 and FlgII-28 in Solanum lycopersicum: intracellular perturbations and metabolite defenses. BMC Plant Biology, 2021, 21, 429.	3.6	9
134	Calmodulin from Citrus sinensis: Purification and characterization. Phytochemistry, 1986, 26, 37-40.	2.9	8
135	Plant Defence Responses in Isonicotinamide-Treated Tobacco Cells. Evidence Supporting a Role for Nicotinamide Related Metabolites as Stress Mediators in Plant Defense Metabolism. Journal of Plant Physiology, 2000, 156, 26-32.	3.5	8
136	Molecular characterization of an elicitor-responsive Armadillo repeat gene (GhARM) from cotton (Gossypium hirsutum). Molecular Biology Reports, 2012, 39, 8513-8523.	2.3	8
137	Metabolomic insights into the bioconversion of isonitrosoacetophenone in Arabidopsis thaliana and its effects on defense-related pathways. Plant Physiology and Biochemistry, 2014, 84, 87-95.	5.8	8
138	Deciphering the influence of column chemistry and mass spectrometry settings for the analyses of geometrical isomers of L-chicoric acid. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1052, 73-81.	2.3	8
139	Profiling of Altered Metabolomic States in Bidens pilosa Leaves in Response to Treatment by Methyl Jasmonate and Methyl Salicylate. Plants, 2020, 9, 1275.	3.5	8
140	Metabolomic Evaluation of Ralstonia solanacearum Cold Shock Protein Peptide (csp22)-Induced Responses in Solanum lycopersicum. Frontiers in Plant Science, 2021, 12, 803104.	3.6	8
141	The Short and Long of it: Shorter Chromatographic Analysis Suffice for Sample Classification During UHPLC-MS-Based Metabolic Fingerprinting. Chromatographia, 2013, 76, 279-285.	1.3	7
142	Untargeted metabolomics analysis reveals dynamic changes in azelaic acid- and salicylic acid derivatives in LPS-treated Nicotiana tabacum cells. Biochemical and Biophysical Research Communications, 2017, 482, 1498-1503.	2.1	7
143	Revising Reverse-Phase Chromatographic Behavior for Efficient Differentiation of Both Positional and Geometrical Isomers of Dicaffeoylquinic Acids. Journal of Analytical Methods in Chemistry, 2018, 2018, 1-11.	1.6	7
144	Comparison of Soxhlet and reflux techniques for extraction and characterisation of potential endocrine-disrupting compounds from solid waste dumpsite soil. Environmental Monitoring and Assessment, 2019, 191, 149.	2.7	7

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145	Some properties of the NADP-malic enzyme from mango fruit, Mangifera indica. International Journal of Biochemistry & Cell Biology, 1984, 16, 417-422.	0.5	6
146	Cis elements and potential trans-acting factors for the developmental regulation of the Phaseolus vulgaris CHS15 promoter. Plant Molecular Biology, 1995, 28, 967-981.	3.9	6
147	Expression of mitochondrial tatC in Nicotiana tabacum is responsive to benzothiadiazole and salicylic acid. Journal of Plant Physiology, 2007, 164, 1231-1234.	3.5	6
148	In silico analysis of the polygalacturonase inhibiting protein 1 from apple, Malus domestica. BMC Research Notes, 2015, 8, 76.	1.4	6
149	Stimulatory Effects of Acibenzolar-S-Methyl on Chlorogenic Acids Biosynthesis in Centella asiatica Cells. Frontiers in Plant Science, 2016, 7, 1469.	3.6	6
150	Gamma radiation treatment activates glucomoringin synthesis in Moringa oleifera. Revista Brasileira De Farmacognosia, 2017, 27, 569-575.	1.4	6
151	miR393 regulation of lectin receptor-like kinases associated with LPS perception in Arabidopsis thaliana. Biochemical and Biophysical Research Communications, 2019, 513, 88-92.	2.1	6
152	Gas chromatographic profiling of the biocatalytic conversion of sclareol to ambradiol by Hyphozyma roseoniger. Biocatalysis and Biotransformation, 2022, 40, 308-312.	2.0	6
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