Luis Aj Mur

List of Publications by Year
in descending order

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195	12,120	22132	30058
papers	citations	59 h-index	103 g-index

217	217	217	15939
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exogenous Nitric Oxide Confers Tolerance to Cr(VI) in Maize (Zea mays L.) Seedlings by Modulating Endogenous Oxido-Nitrosative Events. Journal of Plant Growth Regulation, 2022, 41, 1773-1785.	2.8	10
2	Nitric oxide donor, sodium nitroprusside modulates hydrogen sulfide metabolism and cysteine homeostasis to aid the alleviation of chromium toxicity in maize seedlings (Zea mays L.). Journal of Hazardous Materials, 2022, 424, 127302.	6.5	34
3	Migration without interbreeding: Evolutionary history of a highly selfing Mediterranean grass inferred from whole genomes. Molecular Ecology, 2022, 31, 70-85.	2.0	12
4	Elucidating drought responsive networks in tef (Eragrostis tef) using phenomic and metabolomic approaches. Physiologia Plantarum, 2022, 174, e13597.	2.6	5
5	Tef: a tiny grain with enormous potential. Trends in Plant Science, 2022, 27, 220-223.	4.3	11
6	A hierarchical opportunistic screening model for osteoporosis using machine learning applied to clinical data and CT images. BMC Bioinformatics, 2022, 23, 63.	1.2	13
7	Host-Species Variation and Environment Influence Endophyte Symbiosis and Mycotoxin Levels in Chinese Oxytropis Species. Toxins, 2022, 14, 181.	1.5	5
8	Defining key metabolic roles in osmotic adjustment and <scp>ROS</scp> homeostasis in the recretohalophyte Karelinia caspia under salt stress. Physiologia Plantarum, 2022, 174, e13663.	2.6	10
9	Botrytis cinerea Loss and Restoration of Virulence during In Vitro Culture Follows Flux in Global DNA Methylation. International Journal of Molecular Sciences, 2022, 23, 3034.	1.8	8
10	Molecular and physiological responses to desiccation indicate the abscisic acid pathway is conserved in the peat moss, Sphagnum. Journal of Experimental Botany, 2022, 73, 4576-4591.	2.4	2
11	Isolation and Characterisation of Quercitrin as a Potent Anti-Sickle Cell Anaemia Agent from Alchornea cordifolia. Journal of Clinical Medicine, 2022, 11, 2177.	1.0	6
12	Defining Fatty Acid Changes Linked to Rumen Development, Weaning and Growth in Holstein-Friesian Heifers. Metabolites, 2022, 12, 374.	1.3	4
13	Metabolomic changes in Mycobacterium avium subsp. paratuberculosis (MAP) challenged Holsteinâ€“Friesian cattle highlight the role of serum amino acids as indicators of immune system activation. Metabolomics, 2022, 18, 21.	1.4	4
14	Metabotyping the Welsh population of badgers based on thoracic fluid. Metabolomics, 2022, 18, 30.	1.4	1
15	The Kelchâ€Fâ€box protein SMALL AND GLOSSY LEAVES 1 (SAGL1) negatively influences salicylic acid biosynthesis in Arabidopsis thaliana by promoting the turnâ€over of transcription factor SYSTEMIC ACQUIRED RESISTANCE DEFICIENT 1 (SARD1). New Phytologist, 2022, 235, 885-897.	3.5	11
16	Brachypodium: 20 years as a grass biology model system; the way forward?. Trends in Plant Science, 2022, 27, 1002-1016.	4.3	21
17	Low light intensity and compost modified biochar enhanced maize growth on contaminated soil and minimized Pb induced oxidative stress. Journal of Environmental Chemical Engineering, 2021, 9, 104764.	3.3	9
18	The crossâ€kingdom roles of mineral nutrient transporters in plantâ€microbe relations. Physiologia Plantarum, 2021, 171, 771-784.	2.6	7

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19	Molecular Docking Suggests the Targets of Anti-Mycobacterial Natural Products. Molecules, 2021, 26, 475.	1.7	19
20	Typical Lung Carcinoids with Metastasis: Potential Role of MicroRNAs in the Regulation of Adaptive Immunity Associated with Disease: a Case Study. Cellular Physiology and Biochemistry, 2021, 55, 1-12.	1.1	2
21	Multiâ€omic dissection of the drought resistance traits of soybean landrace LX. Plant, Cell and Environment, 2021, 44, 1379-1398.	2.8	15
22	Metabolomic Variation Aligns with Two Geographically Distinct Subpopulations of Brachypodium Distachyon before and after Drought Stress. Cells, 2021, 10, 683.	1.8	11
23	Allotetraploidization in Brachypodium May Have Led to the Dominance of One Parentâ€™s Metabolome in Germinating Seeds. Cells, 2021, 10, 828.	1.8	1
24	Rethinking of the Roles of Endophyte Symbiosis and Mycotoxin in Oxytropis Plants. Journal of Fungi (Basel, Switzerland), 2021, 7, 400.	1.5	11
25	Characterization of an Ex Vivo Equine Endometrial Tissue Culture Model Using Next-Generation RNA-Sequencing Technology. Animals, 2021, 11, 1995.	1.0	0
26	Nitrate mediated resistance against Fusarium infection in cucumber plants acts via photorespiration. Plant, Cell and Environment, 2021, 44, 3412-3431.	2.8	9
27	Transcriptomic Characterization of Nitrate-Enhanced Stevioside Glycoside Synthesis in Stevia (Stevia) Tj ETQq1 1 0.784314 rgBT /Ove	1.8	7
28	Three classes of hemoglobins are required for optimal vegetative and reproductive growth of Lotus japonicus: genetic and biochemical characterization of LjGlb2-1. Journal of Experimental Botany, 2021, 72, 7778-7791.	2.4	4
29	Unravelling Plant Responses to Stressâ€"The Importance of Targeted and Untargeted Metabolomics. Metabolites, 2021, 11, 558.	1.3	21
30	Secondary metabolites of endophytic fungi isolated from Huperzia serrata. FÃ¬toterapÃ¬Ã¢, 2021, 155, 104970.	1.1	13
31	Defining the Cell Wall, Cell Cycle and Chromatin Landmarks in the Responses of Brachypodium distachyon to Salinity. International Journal of Molecular Sciences, 2021, 22, 949.	1.8	18
32	The different root apex zones contribute to drought priming induced tolerance to a reoccurring drought stress in wheat. Crop Journal, 2021, 9, 1088-1097.	2.3	14
33	Metabolomic Changes in Naturally MAP-Infected Holsteinâ€"Friesian Heifers Indicate Immunologically Related Biochemical Reprogramming. Metabolites, 2021, 11, 727.	1.3	7
34	Non-Targeted Metabolite Profiling Reveals Host Metabolomic Reprogramming during the Interaction of Black Pepper with Phytophthora capsici. International Journal of Molecular Sciences, 2021, 22, 11433.	1.8	4
35	Metabolite Diversity and Metabolic Genome-Wide Marker Association Studies (Mgwas) for Health Benefiting Nutritional Traits in Pearl Millet Grains. Cells, 2021, 10, 3076.	1.8	14
36	Untargeted Metabolomic Profiling Reveals Variation in Metabolites Associated with Nutritional Values in Tef Accessions. Plant Foods for Human Nutrition, 2021, 76, 536-539.	1.4	2

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37	Functions of silicon in plant drought stress responses. Horticulture Research, 2021, 8, 254.	2.9	75
38	The role of nitrite and nitric oxide under low oxygen conditions in plants. New Phytologist, 2020, 225, 1143-1151.	3.5	49
39	Gradual polyploid genome evolution revealed by pan-genomic analysis of Brachypodium hybridum and its diploid progenitors. Nature Communications, 2020, 11, 3670.	5.8	67
40	Genetic and Methylome Variation in Turkish Brachypodium Distachyon Accessions Differentiate Two Geographically Distinct Subpopulations. International Journal of Molecular Sciences, 2020, 21, 6700.	1.8	14
41	Nitric oxide and hydrogen sulfide protect plasma membrane integrity and mitigate chromium-induced methylglyoxal toxicity in maize seedlings. Plant Physiology and Biochemistry, 2020, 157, 244-255.	2.8	68
42	Leaf nitrate accumulation influences the photorespiration of rice (Oryza sativa L.) seedlings. Plant and Soil, 2020, 456, 323-338.	1.8	6
43	Zinc and Copper Enhance Cucumber Tolerance to Fusaric Acid by Mediating Its Distribution and Toxicity and Modifying the Antioxidant System. International Journal of Molecular Sciences, 2020, 21, 3370.	1.8	13
44	Exogenous application of hydrogen sulfide reduces chromium toxicity in maize seedlings by suppressing NADPH oxidase activities and methylglyoxal accumulation. Plant Physiology and Biochemistry, 2020, 154, 646-656.	2.8	39
45	Nitrate Stabilizes the Rhizospheric Fungal Community to Suppress Fusarium Wilt Disease in Cucumber. Molecular Plant-Microbe Interactions, 2020, 33, 590-599.	1.4	17
46	Negative effects of the simulated nitrogen deposition on plant phenolic metabolism: A meta-analysis. Science of the Total Environment, 2020, 719, 137442.	3.9	32
47	Unravelling the Roles of Nitrogen Nutrition in Plant Disease Defences. International Journal of Molecular Sciences, 2020, 21, 572.	1.8	100
48	SOS1 is a key systemic regulator of salt secretion and K+/Na+ homeostasis in the recretohalophyte Karelinia caspia. Environmental and Experimental Botany, 2020, 177, 104098.	2.0	21
49	Mathematical modelling of Her2 (ErbB2) PI3K/AKT signalling pathways during breast carcinogenesis to include PTPD2. AIMS Mathematics, 2020, 5, 4946-4958.	0.7	0
50	Okra growth and drought tolerance when exposed to water regimes at different growth stages. International Journal of Vegetable Science, 2019, 25, 226-258.	0.6	12
51	The Anti-mycobacterial Activity of a Diterpenoid-Like Molecule Operates Through Nitrogen and Amino Acid Starvation. Frontiers in Microbiology, 2019, 10, 1444.	1.5	2
52	Illuminating the dynamic rare biosphere of the Greenland Ice Sheet's Dark Zone. FEMS Microbiology Ecology, 2019, 95, .	1.3	17
53	Host Genotype and Precipitation Influence of Fungal Endophyte Symbiosis and Mycotoxin Abundance in a Locoweed. International Journal of Molecular Sciences, 2019, 20, 5285.	1.8	7
54	Nitrogen drives plant growth to the detriment of leaf sugar and steviol glycosides metabolisms in Stevia (Stevia rebaudiana Bertoni). Plant Physiology and Biochemistry, 2019, 141, 240-249.	2.8	20

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55	Current approaches to measure nitric oxide in plants. Journal of Experimental Botany, 2019, 70, 4333-4343.	2.4	28
56	Defining the Genetic Basis of Plantâ€“Endophytic Bacteria Interactions. International Journal of Molecular Sciences, 2019, 20, 1947.	1.8	97
57	Nitrite and nitric oxide are important in the adjustment of primary metabolism during the hypersensitive response in tobacco. Journal of Experimental Botany, 2019, 70, 4571-4582.	2.4	10
58	Antischistosomal Properties of Sclareol and Its Heck-Coupled Derivatives: Design, Synthesis, Biological Evaluation, and Untargeted Metabolomics. ACS Infectious Diseases, 2019, 5, 1188-1199.	1.8	26
59	Defining Metabolic Rewiring in Lung Squamous Cell Carcinoma. Metabolites, 2019, 9, 47.	1.3	6
60	Transcriptional and Metabolomic Analyses Indicate that Cell Wall Properties are Associated with Drought Tolerance in Brachypodium distachyon. International Journal of Molecular Sciences, 2019, 20, 1758.	1.8	21
61	OsTSD2 â€mediated cell wall modification affects ion homeostasis and salt tolerance. Plant, Cell and Environment, 2019, 42, 1503-1512.	2.8	22
62	Identification and pathogenicity of Fusarium species associated with sesame (Sesamum indicum L.) seeds from the Punjab, Pakistan. Physiological and Molecular Plant Pathology, 2018, 102, 128-135.	1.3	10
63	A discrete role for alternative oxidase under hypoxia to increase nitric oxide and drive energy production. Free Radical Biology and Medicine, 2018, 122, 40-51.	1.3	72
64	An altered tocopherol composition in chloroplasts reduces plant resistance to Botrytis cinerea. Plant Physiology and Biochemistry, 2018, 127, 200-210.	2.8	29
65	Target discovery focused approaches to overcome bottlenecks in the exploitation of antimycobacterial natural products. Future Medicinal Chemistry, 2018, 10, 811-822.	1.1	7
66	Exploring the Roles of Aquaporins in Plantâ€“Microbe Interactions. Cells, 2018, 7, 267.	1.8	32
67	Lung cancer: a new frontier for microbiome research and clinical translation. Ecancermedicalscience, 2018, 12, 866.	0.6	33
68	A novel chemical sensor with multiple all-solid-state electrodes and its application in freshwater environmental monitoring. Water Science and Technology, 2018, 78, 432-440.	1.2	3
69	Fatty Acid Profile Changes During Gradual Soil Water Depletion in Oats Suggests a Role for Jasmonates in Coping With Drought. Frontiers in Plant Science, 2018, 9, 1077.	1.7	69
70	Redox imbalance contributed differently to membrane damage of cucumber leaves under water stress and Fusarium infection. Plant Science, 2018, 274, 171-180.	1.7	12
71	Quantum Cascade Lasers-Based Detection of Nitric Oxide. Methods in Molecular Biology, 2018, 1747, 49-57.	0.4	2
72	Untargeted metabolomics reveals a new mode of action of pretomanid (PA-824). Scientific Reports, 2018, 8, 5084.	1.6	92

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73	Plant Species and Heavy Metals Affect Biodiversity of Microbial Communities Associated With Metal-Tolerant Plants in Metalliferous Soils. Frontiers in Microbiology, 2018, 9, 1425.	1.5	59
74	Moving nitrogen to the centre of plant defence against pathogens. Annals of Botany, 2017, 119, mcw179.	1.4	133
75	Favouring NO over H 2 O 2 production will increase Pb tolerance in Prosopis farcta via altered primary metabolism. Ecotoxicology and Environmental Safety, 2017, 142, 293-302.	2.9	11
76	Saprotrophic proteomes of biotypes of the witches' broom pathogen Moniliophthora perniciosa. Fungal Biology, 2017, 121, 743-753.	1.1	7
77	Expression of FlHMA3 , a P 1B2 -ATPase from Festulolium loliaceum , correlates with response to cadmium stress. Plant Physiology and Biochemistry, 2017, 112, 270-277.	2.8	20
78	Reduced nitric oxide levels during drought stress promote drought tolerance in barley and is associated with elevated polyamine biosynthesis. Scientific Reports, 2017, 7, 13311.	1.6	79
79	P40 Alchornea cordifolia Leaf-Extracts Confer Protection from DNA Damage and Reactive Oxygen Species (ROS). Biochemical Pharmacology, 2017, 139, 139.	2.0	0
80	Extensive gene content variation in the Brachypodium distachyon pan-genome correlates with population structure. Nature Communications, 2017, 8, 2184.	5.8	269
81	An All-Solid-State Phosphate Electrode with H3PO4 Doped Polyaniline as the Sensitive Layer. International Journal of Electrochemical Science, 2017, 12, 4677-4691.	0.5	11
82	Nitric Oxide Has a Concentration-Dependent Effect on the Cell Cycle Acting via EIN2 in Arabidopsis thaliana Cultured Cells. Frontiers in Physiology, 2017, 8, 142.	1.3	19
83	A pilot study using metagenomic sequencing of the sputum microbiome suggests potential bacterial biomarkers for lung cancer. PLoS ONE, 2017, 12, e0177062.	1.1	124
84	The Incidence of Alternaria Species Associated with Infected Sesamum indicum L. Seeds from Fields of the Punjab, Pakistan. Plant Pathology Journal, 2017, 33, 543-553.	0.7	15
85	The application of multivariate analysis of variance (MANOVA) to evaluate plant metabolomic data from factorially designed experiments. Metabolomics, 2016, 12, 1.	1.4	2
86	Metagenomic Sequencing of the Chronic Obstructive Pulmonary Disease Upper Bronchial Tract Microbiome Reveals Functional Changes Associated with Disease Severity. PLoS ONE, 2016, 11, e0149095.	1.1	46
87	ABA Suppresses Botrytis cinerea Elicited NO Production in Tomato to Influence H2O2 Generation and Increase Host Susceptibility. Frontiers in Plant Science, 2016, 7, 709.	1.7	65
88	Compromised Photosynthetic Electron Flow and H2O2 Generation Correlate with Genotype-Specific Stomatal Dysfunctions during Resistance against Powdery Mildew in Oats. Frontiers in Plant Science, 2016, 7, 1660.	1.7	4
89	Linking Dynamic Phenotyping with Metabolite Analysis to Study Natural Variation in Drought Responses of Brachypodium distachyon. Frontiers in Plant Science, 2016, 7, 1751.	1.7	53
90	Metabolomeâ€mediated biocryomorphic evolution promotes carbon fixation in <scp>G</scp>reenlandic cryoconite holes. Environmental Microbiology, 2016, 18, 4674-4686.	1.8	35

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91	Taxon interactions control the distributions of cryoconite bacteria colonizing a High Arctic ice cap. Molecular Ecology, 2016, 25, 3752-3767.	2.0	67
92	Ectopic expression and functional characterization of type III polyketide synthase mutants from Emblica officinalis Gaertn. Plant Cell Reports, 2016, 35, 2077-2090.	2.8	6
93	Laser-Based Methods for Detection of Nitric Oxide in Plants. Methods in Molecular Biology, 2016, 1424, 113-126.	0.4	1
94	Metabolomic-based biomarker discovery for non-invasive lung cancer screening: A case study. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 2682-2687.	1.1	33
95	Terminator Operon Reporter: combining a transcription termination switch with reporter technology for improved gene synthesis and synthetic biology applications. Scientific Reports, 2016, 6, 26572.	1.6	4
96	The metabolomic detection of lung cancer biomarkers in sputum. Lung Cancer, 2016, 94, 88-95.	0.9	63
97	Modulation of Pb-induced stress in Prosopis shoots through an interconnected network of signaling molecules, phenolic compounds and amino acids. Plant Physiology and Biochemistry, 2016, 99, 11-20.	2.8	69
98	A metabolomic study in oats (<scp>A</scp>vena sativa) highlights a drought tolerance mechanism based upon salicylate signalling pathways and the modulation of carbon, antioxidant and photoâ€oxidative metabolism. Plant, Cell and Environment, 2015, 38, 1434-1452.	2.8	73
99	The development of tea blister caused by Exobasidium vexans in tea (Camellia sinensis) correlates with the reduced accumulation of some antimicrobial metabolites and the defence signals salicylic and jasmonic acids. Plant Pathology, 2015, 64, 1471-1483.	1.2	17
100	The human salivary microbiome exhibits temporal stability in bacterial diversity. FEMS Microbiology Ecology, 2015, 91, fiv091.	1.3	75
101	Genome-wide association study for crown rust (Puccinia coronata f. sp. avenae) and powdery mildew (Blumeria graminis f. sp. avenae) resistance in an oat (Avena sativa) collection of commercial varieties and landraces. Frontiers in Plant Science, 2015, 6, 103.	1.7	43
102	Environmental niche variation and evolutionary diversification of the Brachypodium distachyon grass complex species in their native circumâ€Mediterranean range. American Journal of Botany, 2015, 102, 1073-1088.	0.8	73
103	RapGene: a fast and accurate strategy for synthetic gene assembly in Escherichia coli. Scientific Reports, 2015, 5, 11302.	1.6	9
104	Regulatory role of nitric oxide in plants. Russian Journal of Plant Physiology, 2015, 62, 427-440.	0.5	35
105	Brachypodium as a Model for Grass and Cereal Diseases. Plant Genetics and Genomics: Crops and Models, 2015, , 275-290.	0.3	0
106	An assessment of the biotechnological use of hemoglobin modulation in cereals. Physiologia Plantarum, 2014, 150, 593-603.	2.6	30
107	Guarding the guard cells?. New Phytologist, 2014, 203, 349-351.	3.5	3
108	Effects of bovine colostrum supplementation on upper respiratory illness in active males. Brain, Behavior, and Immunity, 2014, 39, 194-203.	2.0	36

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109	Coupled cryoconite ecosystem structure-function relationships are revealed by comparing bacterial communities in alpine and Arctic glaciers. FEMS Microbiology Ecology, 2014, 89, 222-237.	1.3	90
110	Trichoderma asperelloides Suppresses Nitric Oxide Generation Elicited by Fusarium oxysporum in Arabidopsis Roots. Molecular Plant-Microbe Interactions, 2014, 27, 307-314.	1.4	55
111	Update on the genomics and basic biology of Brachypodium. Trends in Plant Science, 2014, 19, 414-418.	4.3	60
112	Spectroscopic monitoring of NO traces in plants and human breath: applications and perspectives. Applied Physics B: Lasers and Optics, 2013, 110, 203-211.	1.1	23
113	Genetic Diversity and Population Structure Among Oat Cultivars and Landraces. Plant Molecular Biology Reporter, 2013, 31, 1305-1314.	1.0	55
114	Stomatal lockâ€up following pathogenic challenge: source or symptom of costs of resistance in crops?. Plant Pathology, 2013, 62, 72-82.	1.2	13
115	Nitric oxide in plants: an assessment of the current state of knowledge. AoB PLANTS, 2013, 5, pls052-pls052.	1.2	392
116	The form of nitrogen nutrition affects resistance against Pseudomonas syringae pv. phaseolicola in tobacco. Journal of Experimental Botany, 2013, 64, 553-568.	2.4	116
117	Physiological and growth responses to water deficit in the bioenergy crop Miscanthus x giganteus. Frontiers in Plant Science, 2013, 4, 468.	1.7	82
118	Integrating nitric oxide into salicylic acid and jasmonic acid/ ethylene plant defense pathways. Frontiers in Plant Science, 2013, 4, 215.	1.7	167
119	Striking a balance: does nitrate uptake and metabolism regulate both NO generation and scavenging?. Frontiers in Plant Science, 2013, 4, 288.	1.7	18
120	Control of lodging and reduction in plant length in rice (Oryza sativa L.) with the treatment of Trinexapac-Ethyl and sowing density. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 2013, , .	0.8	8
121	Comparative Metabolite Fingerprinting of the Rumen System during Colonisation of Three Forage Grass (Lolium perenne L.) Varieties. PLoS ONE, 2013, 8, e82801.	1.1	19
122	Haemoglobin modulates NO emission and hyponasty under hypoxia-related stress in Arabidopsis thaliana. Journal of Experimental Botany, 2012, 63, 5581-5591.	2.4	108
123	Evolution and taxonomic split of the model grass Brachypodium distachyon. Annals of Botany, 2012, 109, 385-405.	1.4	166
124	Evidence of a role for foliar salicylic acid in regulating the rate of post-ingestive protein breakdown in ruminants and contributing to landscape pollution. Journal of Experimental Botany, 2012, 63, 3243-3255.	2.4	7
125	Haemoglobin modulates salicylate and jasmonate/ethylene-mediated resistance mechanisms against pathogens. Journal of Experimental Botany, 2012, 63, 4375-4387.	2.4	117
126	Targeting sources of drought tolerance within an Avena spp. collection through multivariate approaches. Planta, 2012, 236, 1529-1545.	1.6	18

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127	Nitric oxide counters ethylene effects on ripening fruits. Plant Signaling and Behavior, 2012, 7, 476-483.	1.2	101
128	NO and ROS homeostasis in mitochondria: a central role for alternative oxidase. New Phytologist, 2012, 195, 1-3.	3.5	35
129	A novel function for a redoxâ€related LEA protein (SAG21/AtLEA5) in root development and biotic stress responses. Plant, Cell and Environment, 2012, 35, 418-429.	2.8	93
130	Latent soil effects of grazing and ammonium deposition on Deschampsia flexuosa tillers inserted and grown in heather moorland soil. Environmental and Experimental Botany, 2012, 81, 72-78.	2.0	2
131	Separating the Inseparable: The Metabolomic Analysis of Plantâ€“Pathogen Interactions. Methods in Molecular Biology, 2011, 860, 31-49.	0.4	21
132	Methods of nitric oxide detection in plants: A commentary. Plant Science, 2011, 181, 509-519.	1.7	119
133	Using Fourier Transform Infra-Red (FTIR) On Sputum To Develop A Predictive Model To Differentiate Lung Cancer From Healthy Controls. , 2011, , .		0
134	Metabolomic approaches reveal that cell wall modifications play a major role in ethyleneâ€mediated resistance against Botrytis cinerea. Plant Journal, 2011, 67, 852-868.	2.8	77
135	NO way to treat a cold. New Phytologist, 2011, 189, 360-363.	3.5	39
136	Exploiting the Brachypodium Tool Box in cereal and grass research. New Phytologist, 2011, 191, 334-347.	3.5	148
137	Morphological classification of plant cell deaths. Cell Death and Differentiation, 2011, 18, 1241-1246.	5.0	481
138	Plant hemoglobins: Important players at the crossroads between oxygen and nitric oxide. FEBS Letters, 2011, 585, 3843-3849.	1.3	113
139	Are stomatal responses the key to understanding the cost of fungal disease resistance in plants?. Journal of the Science of Food and Agriculture, 2011, 91, 1538-1540.	1.7	7
140	Nitric oxide, nitrate reductase and UV-B tolerance. Tree Physiology, 2011, 31, 795-797.	1.4	10
141	Brachypodium as a Model for the Grasses: Today and the Future Â. Plant Physiology, 2011, 157, 3-13.	2.3	243
142	Blumeria graminis Interactions with Barley Conditioned by Different Single R Genes Demonstrate a Temporal and Spatial Relationship Between Stomatal Dysfunction and Cell Death. Phytopathology, 2010, 100, 21-32.	1.1	13
143	Evaluation of FTIR Spectroscopy as a diagnostic tool for lung cancer using sputum. BMC Cancer, 2010, 10, 640.	1.1	159
144	Dual metabolomics: A novel approach to understanding plantâ€“pathogen interactions. Phytochemistry, 2010, 71, 590-597.	1.4	88

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145	Accumulation of chlorophyll catabolites photosensitizes the hypersensitive response elicited by Pseudomonas syringae in Arabidopsis. New Phytologist, 2010, 188, 161-174.	3.5	91
146	Biphasic ethylene production during the hypersensitive response in Arabidopsis. Plant Signaling and Behavior, 2009, 4, 610-613.	1.2	28
147	The phytohormone salicylic acid influences autolysis in ruminantingested plant cells. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, S160.	0.8	0
148	Identification of coincident QTL for days to heading, spike length and spikelets per spike in Lolium perenne L.. Euphytica, 2009, 166, 61-70.	0.6	33
149	Identification of genes involved in the floral transition at the shoot apical meristem of Lolium perenne L. by use of suppression subtractive hybridisation. Plant Growth Regulation, 2009, 59, 215-225.	1.8	2
150	Jasmonates act with salicylic acid to confer basal thermotolerance in Arabidopsis thaliana. New Phytologist, 2009, 182, 175-187.	3.5	311
151	Aspirin, salicylates, and cancer. Lancet, The, 2009, 373, 1301-1309.	6.3	265
152	Nitric oxide generation in Vicia faba phloem cells reveals them to be sensitive detectors as well as possible systemic transducers of stress signals. New Phytologist, 2008, 178, 634-646.	3.5	66
153	The control of chlorophyll catabolism and the status of yellowing as a biomarker of leaf senescence. Plant Biology, 2008, 10, 4-14.	1.8	96
154	Pathogen-derived nitric oxide influences formation of the appressorium infection structure in the phytopathogenic fungus Blumeria graminis. Research in Microbiology, 2008, 159, 476-480.	1.0	67
155	The hypersensitive response; the centenary is upon us but how much do we know?. Journal of Experimental Botany, 2008, 59, 501-520.	2.4	597
156	Development of Genetic and Genomic Research Resources for Brachypodium distachyon, a New Model System for Grass Crop Research. Crop Science, 2008, 48, S-69.	0.8	133
157	Nitric Oxide Interacts with Salicylate to Regulate Biphasic Ethylene Production during the Hypersensitive Response. Plant Physiology, 2008, 148, 1537-1546.	2.3	102
158	Enemy at the Gates. Plant Signaling and Behavior, 2007, 2, 275-277.	1.2	16
159	The application of MANOVA to analyse Arabidopsis thaliana metabolomic data from factorially designed experiments. Metabolomics, 2007, 3, 517-530.	1.4	45
160	NO way to live; the various roles of nitric oxide in plantâ€“pathogen interactions. Journal of Experimental Botany, 2006, 57, 489-505.	2.4	207
161	Metabolomic approaches reveal that phosphatidic and phosphatidyl glycerol phospholipids are major discriminatory nonâ€polar metabolites in responses by Brachypodium distachyon to challenge by Magnaporthe grisea. Plant Journal, 2006, 46, 351-368.	2.8	115
162	Stomatal lock-open, a consequence of epidermal cell death, follows transient suppression of stomatal opening in barley attacked by Blumeria graminis. Journal of Experimental Botany, 2006, 57, 2211-2226.	2.4	58

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163	The Outcomes of Concentration-Specific Interactions between Salicylate and Jasmonate Signaling Include Synergy, Antagonism, and Oxidative Stress Leading to Cell Death. Plant Physiology, 2006, 140, 249-262.	2.3	747
164	In planta measurements of oxidative bursts elicited by avirulent and virulent bacterial pathogens suggests that H2O2 is insufficient to elicit cell death in tobacco. Plant, Cell and Environment, 2005, 28, 548-561.	2.8	46
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