Michael B Jackson

List of Publications by Year
in descending order

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60 papers	4,273 citations	126708 33 h-index	223531 46 g-index
60 all docs	60 docs citations	60 times ranked	2227 citing authors

#	Article	IF	Citations
1	Effects of Flooding on Growth and Metabolism of Herbaceous Plants. , 1984, , 47-128.		383
2	Physiological and Molecular Basis of Susceptibility and Tolerance of Rice Plants to Complete Submergence. Annals of Botany, 2003, 91, 227-241.	1.4	273
3	Ethylene-promoted Elongation: an Adaptation to Submergence Stress. Annals of Botany, 2007, 101, 229-248.	1.4	223
4	Ethylene, the Natural Regulator of Leaf Abscission. Nature, 1970, 225, 1019-1022.	13.7	212
5	Longâ€distance signalling from roots to shoots assessed: the flooding story. Journal of Experimental Botany, 2002, 53, 175-181.	2.4	188
6	Decreased root hydraulic conductivity reduces leaf water potential, initiates stomatal closure and slows leaf expansion in flooded plants of castor oil (Ricinus communis) despite diminished delivery of ABA from the roots to shoots in xylem sap. Physiologia Plantarum, 2001, 111, 46-54.	2.6	166
7	Inhibition by silver ions of gas space (aerenchyma) formation in adventitious roots of Zea mays L. subjected to exogenous ethylene or to oxygen deficiency. Planta, 1981, 153, 217-224.	1.6	163
8	An examination of the importance of ethanol in causing injury to flooded plants. Plant, Cell and Environment, 1982, 5, 163-172.	2.8	154
9	Root geotropism and the role of growth regulators from the cap: a re-examination. Plant, Cell and Environment, 1981, 4, 107-123.	2.8	135
10	A Relationship between Rates of Ethylene Production by Roots and the Promoting or Inhibiting Effects of Exogenous Ethylene and Water on Root Elongation. Zeitschrift FÃ¼r Pflanzenphysiologie, 1979, 92, 385-397.	1.4	134
11	Effect of Waterlogged Soil Conditions on the Production of Ethylene and on Water Relationships in Tomato Plants. Journal of Experimental Botany, 1978, 29, 183-193.	2.4	133
12	Contrasting interactions between ethylene and abscisic acid in Rumex species differing in submergence tolerance. Plant Journal, 2005, 44, 756-768.	2.8	133
13	WATERLOGGING AND PETIOLE EPINASTY IN TOMATO: THE ROLE OF ETHYLENE AND LOW OXYGEN. New Phytologist, 1976, 76, 21-29.	3.5	128
14	Callitriche Stem Elongation is controlled by Ethylene and Gibberellin. Nature: New Biology, 1972, 238, 93-96.	4.5	125
15	MOVEMENT OF ETHYLENE FROM ROOTS TO SHOOTS, A FACTOR IN THE RESPONSES OF TOMATO PLANTS TO WATERLOGGED SOIL CONDITIONS. New Phytologist, 1975, 74, 397-406.	3.5	125
16	Root signals and stomatal closure in relation to photosynthesis, chlorophyll a fluorescence and adventitious rooting of flooded tomato plants. Annals of Botany, 2009, 103, 313-323.	1.4	122
17	Evolution and mechanisms of plant tolerance to flooding stress. Annals of Botany, 2009, 103, 137-142.	1.4	112
18	Aerenchyma (Gas-space) Formation in Adventitious Roots of Rice (Oryza sativaL.) is not Controlled by Ethylene or Small Partial Pressures of Oxygen. Journal of Experimental Botany, 1985, 36, 1566-1572.	2.4	101

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19	Rapid injury to peas by soil waterlogging. Journal of the Science of Food and Agriculture, 1979, 30, 143-152.	1.7	97
20	Hormones and developmental change in plants subjected to submergence or soil waterlogging. Aquatic Botany, 1990, 38, 49-72.	0.8	82
21	Roots of willow (Salix viminalis L.) show marked tolerance to oxygen shortage in flooded soils and in solution culture. Plant and Soil, 1996, 187, 37-45.	1.8	80
22	Effects of applying etnylene to the root system of Zea mays on growth and nutrient concentration in relation to flooding tolerance. Physiologia Plantarum, 1981, 52, 23-28.	2.6	75
23	A Transmission and Cryo-Scanning Electron Microscopy Study of the Formation of Aerenchyma (Cortical Gas-Filled Space) in Adventitious Roots of Rice (Oryza sativa). Journal of Experimental Botany, 1986, 37, 832-841.	2.4	73
24	Positive and Negative Messages from Roots Induce Foliar Desiccation and Stomatal Closure in Flooded Pea Plants. Journal of Experimental Botany, 1983, 34, 493-506.	2.4	71
25	Ionic and pH signalling from roots to shoots of flooded tomato plants in relation to stomatal closure. Plant and Soil, 2003, 253, 103-113.	1.8	64
26	Transport of 1-aminocyclopropane-1-carboxylic acid (ACC) in the transpiration stream of tomato (Lycopersicon esculentum) in relation to foliar ethylene production and petiole epinasty. Functional Plant Biology, 1998, 25, 453.	1.1	55
27	Abscisic Acid, Auxin, and Ethylene in Explant Abscission. Journal of Experimental Botany, 1972, 23, 849-862.	2.4	53
28	Comparison of Growth Responses of Barnyard Grass (Echinochloa oryzoides) and Rice (Oryza sativa) to Submergence, Ethylene, Carbon Dioxide and Oxygen Shortage. Annals of Botany, 1991, 68, 201-209.	1.4	52
29	Are Roots a Source of Abscisic Acid for the Shoots of Flooded Pea Plants?. Journal of Experimental Botany, 1988, 39, 1631-1637.	2.4	44
30	Anaerobic conditions strongly promote extension by stems of overwintering tubers ofPotamogeton pectinatusL. Journal of Experimental Botany, 1994, 45, 1309-1318.	2.4	38
31	Anaerobic promotion of stem extension in Potamogeton pectinatus. Roles for carbon dioxide, acidification and hormones. Physiologia Plantarum, 1996, 96, 615-622.	2.6	38
32	Is the Diageotropic Tomato Ethylene Deficient?. Physiologia Plantarum, 1979, 46, 347-351.	2.6	37
33	Rootâ€toâ€Shoot Communication in Flooded Plants: Involvement of Abscisic Acid, Ethylene, and 1â€Aminocyclopropaneâ€1â€carboxylic Acid. Agronomy Journal, 1994, 86, 775-782.	0.9	36
34	Production of ethylene by excised segments of plant tissue prior to the effect of wounding. Planta, 1976, 129, 273-274.	1.6	35
35	The Effects of Oxygen, Carbon Dioxide and Ethylene on Ethylene Biosynthesis in Relation to Shoot Extension in Seedlings of Rice (Oryza sativa) and Barnyard Grass (Echinochloa oryzoides). Annals of Botany, 1992, 69, 441-447.	1.4	34
36	Delivery rates of abscisic acid in xylem sap ofRicinus communisL. plants subjected to part-drying of the soil. Journal of Experimental Botany, 1996, 47, 1595-1599.	2.4	33

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37	Modification of 3,5-diiodo-4-hydroxybenzoic acid (DIHB) activity and stimulation of ethylene production by small concentrations of oxygen in the root environment. Plant Growth Regulation, 1984, 2, 251-262.	1.8	32
38	Abscission and dehiscence in the squirting cucumber, Ecballium elaterium. Regulation by ethylene. Canadian Journal of Botany, 1972, 50, 1465-1471.	1.2	30
39	Regulation of Aerenchyma Formation in Roots and Shoots by Oxygen and Ethylene. , 1989, , 263-274.		28
40	A STRUCTURED EVALUATION OF THE INVOLVEMENT OF ETHYLENE AND ABSCISIC ACID IN PLANT RESPONSES TO AERATION STRESS. , 1987, , 189-199.		20
41	TIMING ABSCISSION IN PHASEOLUS VULGARIS L. BY CONTROLLING ETHYLENE PRODUCTION AND SENSITIVITY TO ETHYLENE. New Phytologist, 1973, 72, 1251-1260.	3.5	19
42	Introduction to the Special Issue: Electrons, water and rice fields: plant response and adaptation to flooding and submergence stress. AoB PLANTS, 2015, 7, plv078.	1.2	17
43	Plant Survival in Wet Environments: Resilience and Escape Mediated by Shoot Systems. Ecological Studies, 2006, , 15-36.	0.4	17
44	ETHYLENE AND THE RESPONSES OF PLANTS TO EXCESS WATER IN THEIR ENVIRONMENTâ€"A REVIEW. , 1985, , 241-265.		17
45	Aeration stress in plant tissue cultures. , 2005, , 459-473.		14
46	Abscisic acid in straw residues from autumn-sown wheat. Journal of the Science of Food and Agriculture, 1986, 37, 219-222.	1.7	12
47	Approaches to relieving aeration stress in waterlogged plants. Pest Management Science, 1983, 14, 25-32.	0.7	11
48	Determination of 1-aminocyclopropane-1-carboxylic acid (ACC) in leaf tissue and xylem sap using capillary column gas chromatography and a nitrogen/phosphorus detector. Plant Growth Regulation, 1993, 13, 225-230.	1.8	11
49	Roots of willow (Salix viminalis L.) show marked tolerance to oxygen shortage in flooded soils and in solution culture. , 1997, , 37-45.		10
50	Promotion of Stem Extension in an Aquatic Monocot (Potamogeton Pectinatus L.) by the Complete Absence of Oxygen, and by Partial Oxygen Shortage. , 1993, , 315-325.		6
51	Hormones and root-shoot relationships in flooded plants â€" an analysis of methods and results. , 1995, , 243-251.		6
52	Hormones and root-shoot relationships in flooded plants ? an analysis of methods and results. Plant and Soil, 1994, 167, 99-107.	1.8	5
53	Effects of ACC (1-aminocyclopropane-1-carboxylic acid) applied through the roots of maize seedlings on vegetative and early reproductive development of the shoots. Plant Growth Regulation, 1994, 14, 193-202.	1.8	5
54	RESPONSES OF LEAFED AND LEAFLESS PEAS TO SOIL WATERLOGGING. , 1985, , 163-172.		4

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55	One hundred and twenty-five years of theAnnals of Botany.Part 2: the years 1937 to 2012. Annals of Botany, 2016, 118, 1225-1255.	1.4	2
56	Hormone action and plant adaptations to poor aeration. Proceedings of the Royal Society of Edinburgh Section B Biological Sciences, 1994, 102, 391-405.	0.2	0
57	Morphological and growth responses of woody plant seedlings to flooding of the central Amazon floodplain forests. Verhandlungen Der Internationalen Vereinigung Fur Theoretische Und Angewandte Limnologie International Association of Theoretical and Applied Limnology, 2000, 27, 1711-1716.	0.1	0
58	Ten years of AoB PLANTS the open access journal for plant scientists: inception and progress since 2009. AoB PLANTS, 2019, 11, plz025.	1.2	0
59	Involvement of the Hormones Ethylene and Abscisic Acid in Some Adaptive Responses of Plants to Submergence, Soil Waterlogging and Oxygen Shortage. , 1988, , 373-382.		0
60	Involvement of The Hormones Ethylene and Abscisic Acid in Some Adaptive Responses of Plants to Submergence, Soil Waterlogging and Oxygen Shortage. , 1988, , 373-382.		0