

Hamlyn G Jones

List of Publications by Year in descending order

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160
papers

12,774
citations

38720

50
h-index

28275

105
g-index

169
all docs

169
docs citations

169
times ranked

9860
citing authors

#	ARTICLE	IF	CITATIONS
1	Field Phenomics: Will It Enable Crop Improvement?. <i>Plant Phenomics</i> , 2021, 2021, 9871989.	2.5	22
2	Improved models of the effects of winter chilling on blackcurrant (<i>Ribes nigrum</i> L.) show cultivar specific sensitivity to warm winters. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107777.	1.9	4
3	Association mapping and genetic dissection of drought-induced canopy temperature differences in rice. <i>Journal of Experimental Botany</i> , 2020, 71, 1614-1627.	2.4	33
4	What plant is that? Tests of automated image recognition apps for plant identification on plants from the British flora. <i>AoB PLANTS</i> , 2020, 12, plaa052.	1.2	32
5	A practical method using a network of fixed infrared sensors for estimating crop canopy conductance and evaporation rate. <i>Biosystems Engineering</i> , 2018, 165, 59-69.	1.9	46
6	Use of Imaging Technologies for High Throughput Phenotyping. , 2018, , 145-158.		5
7	Thermal Imaging and Infrared Sensing in Plant Ecophysiology. , 2018, , 135-151.		16
8	A method for automatic segmentation and splitting of hyperspectral images of raspberry plants collected in field conditions. <i>Plant Methods</i> , 2017, 13, 74.	1.9	30
9	Assessing Drought Responses Using Thermal Infrared Imaging. <i>Methods in Molecular Biology</i> , 2016, 1398, 209-219.	0.4	26
10	Thermal imaging as a viable tool for monitoring plant stress. <i>Oeno One</i> , 2016, 41, 77.	0.7	18
11	Coping with drought: stress and adaptive responses in potato and perspectives for improvement. <i>Frontiers in Plant Science</i> , 2015, 6, 542.	1.7	220
12	Improving intercropping: a synthesis of research in agronomy, plant physiology and ecology. <i>New Phytologist</i> , 2015, 206, 107-117.	3.5	805
13	Scaling of Thermal Images at Different Spatial Resolution: The Mixed Pixel Problem. <i>Agronomy</i> , 2014, 4, 380-396.	1.3	68
14	Infra-Red Thermography as a High-Throughput Tool for Field Phenotyping. <i>Agronomy</i> , 2014, 4, 397-417.	1.3	97
15	Field phenotyping of potato to assess root and shoot characteristics associated with drought tolerance. <i>Plant and Soil</i> , 2014, 378, 351-363.	1.8	43
16	The use of indirect or proxy markers in plant physiology. <i>Plant, Cell and Environment</i> , 2014, 37, 1270-1272.	2.8	10
17	Chilling requirement of <i>Ribes</i> cultivars. <i>Frontiers in Plant Science</i> , 2014, 5, 767.	1.7	17
18	Proximal Remote Sensing Buggies and Potential Applications for Field-Based Phenotyping. <i>Agronomy</i> , 2014, 4, 349-379.	1.3	316

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19	An approach to the determination of winter chill requirements for different <i>Ribes</i> cultivars. <i>Plant Biology</i> , 2013, 15, 18-27.	1.8	50
20	Declining chilling and its impact on temperate perennial crops. <i>Environmental and Experimental Botany</i> , 2013, 91, 48-62.	2.0	202
21	Can root electrical capacitance be used to predict root mass in soil?. <i>Annals of Botany</i> , 2013, 112, 457-464.	1.4	49
22	Plant Salt Tolerance: Materials and Methods. Edited by S. Shabala and T. A. Cuin. New York, Heidelberg, Dordrecht, London: Humana Press (2012), pp. 432, £109.99. ISBN 978-1-61779-985-3.. <i>Experimental Agriculture</i> , 2013, 49, 477-477.	0.4	0
23	Infra-red Thermography for High Throughput Field Phenotyping in <i>Solanum tuberosum</i> . <i>PLoS ONE</i> , 2013, 8, e65816.	1.1	80
24	A new physical interpretation of plant root capacitance. <i>Journal of Experimental Botany</i> , 2012, 63, 6149-6159.	2.4	49
25	How do rootstocks control shoot water relations?. <i>New Phytologist</i> , 2012, 194, 301-303.	3.5	40
26	Estimation of maize canopy properties from remote sensing by inversion of 1-D and 4-D models. <i>Precision Agriculture</i> , 2010, 11, 319-334.	3.1	25
27	Can water droplets on leaves cause leaf scorch?. <i>New Phytologist</i> , 2010, 185, 865-867.	3.5	30
28	Physicochemical and Environmental Plant Physiology. 4th edition. By Park S. Nobel. Amsterdam, Academic Press (2009), pp. 582, £54.99, ISBN 978-0-12-374143-1.. <i>Experimental Agriculture</i> , 2010, 46, 262-262.	0.4	0
29	The impact of drought on leaf physiology of <i>Quercus suber</i> L. trees: comparison of an extreme drought event with chronic rainfall reduction. <i>Journal of Experimental Botany</i> , 2010, 61, 4361-4371.	2.4	55
30	Effect of salinity on water relations of wild barley plants differing in salt tolerance. <i>AoB PLANTS</i> , 2010, 2010, plq006-plq006.	1.2	53
31	New phenotyping methods for screening wheat and barley for beneficial responses to water deficit. <i>Journal of Experimental Botany</i> , 2010, 61, 3499-3507.	2.4	359
32	Multi-sensor plant imaging: Towards the development of a stress catalogue. <i>Biotechnology Journal</i> , 2009, 4, 1152-1167.	1.8	90
33	Thermal infrared imaging of crop canopies for the remote diagnosis and quantification of plant responses to water stress in the field. <i>Functional Plant Biology</i> , 2009, 36, 978.	1.1	439
34	On the relationships between stomatal resistance and leaf temperatures in thermography. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 1908-1912.	1.9	93
35	AN ASSESSMENT OF PLANT-BASED MEASURES OF GRAPEVINE PERFORMANCE AS IRRIGATION SCHEDULING TOOLS. <i>Acta Horticulturae</i> , 2008, , 421-427.	0.1	13
36	Response of photosynthetic apparatus to moderate high temperature in contrasting wheat cultivars at different oxygen concentrations. <i>Journal of Experimental Botany</i> , 2007, 58, 2133-2143.	2.4	22

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37	Singlet Oxygen Quenching by Phenylamides and their Parent Compounds. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2007, 62, 833-838.	0.6	16
38	Monitoring and screening plant populations with combined thermal and chlorophyll fluorescence imaging. Journal of Experimental Botany, 2007, 58, 773-784.	2.4	215
39	Dendrométrie et distribution de la surface foliaire dans une vieille oliveraie près d'Andria, dans le sud de l'Italie. Annals of Forest Science, 2007, 64, 491-501.	0.8	13
40	Exploring thermal imaging variables for the detection of stress responses in grapevine under different irrigation regimes. Journal of Experimental Botany, 2006, 58, 815-825.	2.4	207
41	Integrating hyperspectral imagery at different scales to estimate component surface temperatures. International Journal of Remote Sensing, 2006, 27, 2141-2159.	1.3	5
42	Monitoring plant and soil water status: established and novel methods revisited and their relevance to studies of drought tolerance. Journal of Experimental Botany, 2006, 58, 119-130.	2.4	430
43	Estimating stomatal conductance with thermal imagery. Plant, Cell and Environment, 2006, 29, 1508-1518.	2.8	185
44	Optimizing thermal imaging as a technique for detecting stomatal closure induced by drought stress under greenhouse conditions. Physiologia Plantarum, 2006, 127, 507-518.	2.6	127
45	Effects of foliar application of calcium nitrate on growth and physiological attributes of cowpea (<i>Vigna unguiculata</i> L. Walp.) grown under salt stress. Environmental and Experimental Botany, 2006, 58, 188-196.	2.0	70
46	Frost protection: fundamentals, practice, and economics. Volume 1. By R. L. Snyder and J. P. de Melo-Abreu. Rome: FAO (2005), pp. 223. US\$38.00. ISBN 92-5-105328-6 Volume 2. By R. L. Snyder, J. P. de Melo-Abreu and S. Matulich. Rome: FAO (2005), pp. 64. US\$24.00. ISBN 92-5-10539-4. Experimental Agriculture, 2006, 42, 369-370.	0.4	2
47	Relationships between water-use traits and photosynthesis in Brassica oleracea resolved by quantitative genetic analysis. Plant Breeding, 2005, 124, 557-564.	1.0	59
48	LAI retrieval from multiangular image classification and inversion of a ray tracing model. Remote Sensing of Environment, 2005, 98, 414-428.	4.6	41
49	Combining thermal and visible imagery for estimating canopy temperature and identifying plant stress. Journal of Experimental Botany, 2004, 55, 1423-1431.	2.4	284
50	The Cohesion-Tension Theory. New Phytologist, 2004, 163, 451-452.	3.5	68
51	Unusual stomatal behaviour on partial root excision in wheat seedlings. Plant, Cell and Environment, 2004, 27, 69-77.	2.8	40
52	Irrigation scheduling: advantages and pitfalls of plant-based methods. Journal of Experimental Botany, 2004, 55, 2427-2436.	2.4	742
53	Application of Thermal Imaging and Infrared Sensing in Plant Physiology and Ecophysiology. Advances in Botanical Research, 2004, 41, 107-163.	0.5	211
54	Thermal radiation, canopy temperature and evaporation from forest canopies.. , 2004, , 123-144.		4

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55	Radiation measurement for plant ecophysiology. <i>Journal of Experimental Botany</i> , 2003, 54, 879-889.	2.4	72
56	Low Temperature Enhances Photosynthetic Down-regulation in French Bean (<i>Phaseolus vulgaris</i> L.) Plants. <i>Annals of Botany</i> , 2003, 91, 343-352.	1.4	43
57	Thermal Imaging for the Study of Plant Water Relations. <i>J Agricultural Meteorology</i> , 2003, 59, 205-217.	0.8	79
58	Use of infrared thermography for monitoring stomatal closure in the field: application to grapevine. <i>Journal of Experimental Botany</i> , 2002, 53, 2249-2260.	2.4	412
59	AN INVESTIGATION OF FACTORS AFFECTING YIELD OF RED RASPBERRY (<i>RUBUS</i>) IN TAYSIDE. <i>Acta Horticulturae</i> , 2002, , 683-687.	0.1	1
60	Linking drought resistance mechanisms to drought avoidance in upland rice using a QTL approach: progress and new opportunities to integrate stomatal and mesophyll responses. <i>Journal of Experimental Botany</i> , 2002, 53, 989-1004.	2.4	316
61	Mucilages and polysaccharides in <i>Ziziphus</i> species (<i>Rhamnaceae</i>): localization, composition and physiological roles during drought stress. <i>Journal of Experimental Botany</i> , 2002, 53, 131-138.	2.4	77
62	Matching physiological traits and ion concentrations associated with salt stress in cowpea genotypes. <i>Australian Journal of Agricultural Research</i> , 2002, 53, 1243.	1.5	13
63	LEAF GAS EXCHANGE AND GROWTH IN RED RASPBERRIES IS REDUCED WHEN PART OF THE ROOT SYSTEM IS DRIED. <i>Acta Horticulturae</i> , 2002, , 671-676.	0.1	11
64	Effects of NaCl Salinity on Growth and Production of Young Cladodes of <i>Opuntia ficus-indica</i> . <i>Journal of Agronomy and Crop Science</i> , 2001, 187, 269-279.	1.7	12
65	Expression of dehydrin-like genes in response to chilling in leaves of blackcurrant, <i>Ribes nigrum</i> L.. <i>Journal of Horticultural Science and Biotechnology</i> , 2001, 76, 201-207.	0.9	3
66	An Off-Line Implementation of the Stable Isotope Technique for Measurements of Alternative Respiratory Pathway Activities. <i>Plant Physiology</i> , 2001, 127, 1279-1286.	2.3	18
67	Salt tolerance of cowpea genotypes in the emergence stage. <i>Australian Journal of Experimental Agriculture</i> , 2001, 41, 81.	1.0	22
68	The use of the VIFIS (variable interference filter imaging spectrometer) to obtain information on vegetation properties using multiangular data. <i>International Journal of Remote Sensing</i> , 2000, 19, 133-144.	1.1	5
69	Use of thermography for quantitative studies of spatial and temporal variation of stomatal conductance over leaf surfaces. <i>Plant, Cell and Environment</i> , 1999, 22, 1043-1055.	2.8	405
70	Leaf orientation and distribution in a <i>Phaseolus vulgaris</i> L. crop and their relation to light microclimate. <i>International Journal of Biometeorology</i> , 1999, 43, 64-70.	1.3	6
71	Use of infrared thermometry for estimation of stomatal conductance as a possible aid to irrigation scheduling. <i>Agricultural and Forest Meteorology</i> , 1999, 95, 139-149.	1.9	377
72	Response of barley and pea crops to supplementary UV-B radiation. <i>Journal of Agricultural Science</i> , 1999, 132, 253-261.	0.6	15

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73	Sunfleck dynamics and canopy structure in a <i>Phaseolus vulgaris</i> L. canopy. <i>International Journal of Biometeorology</i> , 1998, 42, 34-43.	1.3	10
74	Modelling water relations of horticultural crops: a review. <i>Scientia Horticulturae</i> , 1998, 74, 21-46.	1.7	114
75	The role of solute accumulation, osmotic adjustment and changes in cell wall elasticity in drought tolerance in <i>Ziziphus mauritiana</i> (Lamk.). <i>Journal of Experimental Botany</i> , 1998, 49, 967-977.	2.4	173
76	The role of solute accumulation, osmotic adjustment and changes in cell wall elasticity in drought tolerance in <i>Ziziphus mauritiana</i> (Lamk.). <i>Journal of Experimental Botany</i> , 1998, 49, 967-977.	2.4	52
77	Applied abscisic acid, root growth and turgor pressure responses of roots of wild-type and the ABA-deficient mutant, <i>Notabilis</i> , of tomato. <i>Journal of Plant Physiology</i> , 1997, 151, 60-62.	1.6	6
78	NEW CONCEPTS IN PLANT WATER RELATIONS: RELEVANCE TO HORTICULTURAL PRODUCTION. <i>Acta Horticulturae</i> , 1997, , 371-378.	0.1	2
79	Field comparisons of photosynthesis and leaf conductance in <i>Ziziphus mauritiana</i> and other fruit tree species in Zimbabwe. <i>Trees - Structure and Function</i> , 1997, 11, 449-454.	0.9	13
80	Field comparisons of photosynthesis and leaf conductance in. <i>Trees - Structure and Function</i> , 1997, 11, 449.	0.9	3
81	Responses of CO ₂ assimilation to changes in irradiance: laboratory and field data and a model for beans (<i>Phaseolus vulgaris</i> L.). <i>Journal of Experimental Botany</i> , 1996, 47, 639-645.	2.4	45
82	Abscisic acid and turgor pressure regulation in tomato roots. <i>Journal of Plant Physiology</i> , 1996, 149, 372-376.	1.6	18
83	Effects of enhanced UV-B radiation on pea (<i>Pisum sativum</i> L.) grown under field conditions in the UK. <i>Global Change Biology</i> , 1996, 2, 325-334.	4.2	57
84	Photosynthetic limitations: use in guiding effort in crop improvement. <i>Journal of Experimental Botany</i> , 1995, 46, 1415-1422.	2.4	20
85	Drought Enhances Stomatal Closure in Response to Shading in Sorghum (<i>Sorghum bicolor</i>) and in Millet (<i>Pennisetum americanum</i>). <i>Functional Plant Biology</i> , 1995, 22, 1.	1.1	5
86	Stomatal responses to changing irradiance in <i>Phaseolus vulgaris</i> L.. <i>Journal of Experimental Botany</i> , 1994, 45, 931-936.	2.4	50
87	Water deficit, leaf rolling and susceptibility to photoinhibition in field grown sorghum. <i>Physiologia Plantarum</i> , 1994, 92, 423-430.	2.6	34
88	The relationship between wound-induced proteinase inhibitors and hydraulic signals in tomato seedlings. <i>Plant, Cell and Environment</i> , 1994, 17, 81-87.	2.8	40
89	Water deficit, leaf rolling and susceptibility to photoinhibition in field grown sorghum. <i>Physiologia Plantarum</i> , 1994, 92, 423-430.	2.6	3
90	Xylem-transported abscisic acid: the relative importance of its mass and its concentration in the control of stomatal aperture. <i>Plant, Cell and Environment</i> , 1993, 16, 453-459.	2.8	100

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91	Xylem-transported chemical signals and the regulation of plant growth and physiology. Philosophical Transactions of the Royal Society B: Biological Sciences, 1993, 341, 41-47.	1.8	28
92	Current topics in drought physiology. Journal of Agricultural Science, 1992, 119, 291-296.	0.6	96
93	Water relations of 'Wijcik McIntosh'™ apple trees. The Journal of Horticultural Science, 1991, 66, 311-317.	0.3	5
94	Water relations and cropping of apple cultivars on a dwarfing rootstock in response to imposed drought. The Journal of Horticultural Science, 1991, 66, 367-379.	0.3	25
95	Stomatal control of xylem embolism. Plant, Cell and Environment, 1991, 14, 607-612.	2.8	340
96	Response of apple rootstocks to irrigation in south-east England. The Journal of Horticultural Science, 1990, 65, 129-141.	0.3	37
97	Use of combined fluorescence and gas-exchange measurements to assess processes limiting photosynthesis under stress. Bulletin De La Soci�t� Botanique De France Actualit�s Botaniques, 1990, 137, 67-72.	0.0	1
98	Use of simultaneous analysis of gas-exchange and chlorophyll fluorescence quenching for analysing the effects of water stress on photosynthesis in apple leaves. Trees - Structure and Function, 1990, 4, 1.	0.9	25
99	A Positive Root-sourced Signal as an Indicator of Soil Drying in Apple, Malus x domestica Borkh.. Journal of Experimental Botany, 1990, 41, 1535-1540.	2.4	335
100	Physiological Aspects of the Control of Water Status in Horticultural Crops. Hortscience: A Publication of the American Society for Horticultural Science, 1990, 25, 19-25.	0.5	76
101	Estimation of the Light Limitation of Photosynthesis. , 1990, , 3701-3704.		0
102	The use of ultrasonic detectors for water stress determination in fruit trees. Annales Des Sciences Foresti�res, 1989, 46, 338s-341s.	1.1	5
103	Transient gene expression in electroporated Solanum protoplasts. Plant Molecular Biology, 1989, 13, 503-511.	2.0	43
104	Isolation, culture, and regeneration of plants from potato protoplasts. Plant Cell Reports, 1989, 8, 307-11.	2.8	23
105	Empirical models of the conductance of leaves in apple orchards. Plant, Cell and Environment, 1989, 12, 301-308.	2.8	19
106	Regulation of growth and development of plants growing with a restricted supply of water. , 1989, , 71-94.		89
107	Photosynthesis and gas exchange. , 1989, , 47-70.		53
108	Prospects for improving crop production in stressful environments. , 1989, , 235-248.		10

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109	Water use by strawberry in south-east England. <i>The Journal of Horticultural Science</i> , 1989, 64, 167-175.	0.3	2
110	Introduction: some terminology and common mechanisms. , 1989, , 1-10.		28
111	Evaluation of various heat-pulse methods for estimation of sap flow in orchard trees: comparison with micrometeorological estimates of evaporation. <i>Trees - Structure and Function</i> , 1988, 2, 250.	0.9	23
112	Changing Responses of Stomata to Abscisic Acid and CO ₂ as Leaves and Plants Age. <i>Journal of Experimental Botany</i> , 1988, 39, 401-410.	2.4	26
113	Growth and Water Relations of Wilty Mutants of Tomato (<i>Lycopersicon esculentum</i> Mill.). <i>Journal of Experimental Botany</i> , 1987, 38, 1848-1856.	2.4	42
114	Repeat flowering in apple caused by water stress or defoliation. <i>Trees - Structure and Function</i> , 1987, 1, 135.	0.9	17
115	Model systems for the immunolocalisation of cis, trans abscisic acid in plant tissues. <i>Planta</i> , 1987, 172, 192-199.	1.6	10
116	Correction for non-specific interference in competitive immunoassays. <i>Physiologia Plantarum</i> , 1987, 70, 146-154.	2.6	35
117	Calcium uptake by developing apple fruits: III. Additional studies on fruit calcium balance. <i>The Journal of Horticultural Science</i> , 1986, 61, 171-179.	0.3	4
118	Diurnal changes in water content of the stems of apple trees, as influenced by irrigation. <i>Plant, Cell and Environment</i> , 1986, 9, 1-7.	2.8	41
119	Relationships between Water Stress and Ultrasound Emission in Apple (<i>Malus domestica</i> Borkh.). <i>Journal of Experimental Botany</i> , 1986, 37, 1245-1254.	2.4	17
120	Diurnal changes in water content of the stems of apple trees, as influenced by irrigation.. <i>Plant, Cell and Environment</i> , 1986, 9, 1-7.	2.8	83
121	Validation of a radioimmunoassay for (+)-abscisic acid in extracts of apple and sweet-pepper tissue using high-pressure liquid chromatography and combined gas chromatography-mass spectrometry. <i>Planta</i> , 1985, 165, 91-99.	1.6	43
122	Partitioning stomatal and non-stomatal limitations to photosynthesis. <i>Plant, Cell and Environment</i> , 1985, 8, 95-104.	2.8	255
123	Some effects of canopy structure and microclimate on infection of tall and short wheats by <i>Septoria nodorum</i> . <i>Plant Pathology</i> , 1985, 34, 578-593.	1.2	28
124	Variation of leaf conductance and leaf water potential in apple orchards. <i>The Journal of Horticultural Science</i> , 1984, 59, 329-336.	0.3	26
125	A Microcomputer-Based System for Continuous Measurement and Recording Fruit Diameter in Relation to Environmental Factors. <i>Journal of Experimental Botany</i> , 1984, 35, 1646-1655.	2.4	31
126	Estimation of an effective soil water potential at the root surface of transpiring plants.. <i>Plant, Cell and Environment</i> , 1983, 6, 671-674.	2.8	47

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127	Calcium uptake by developing apple fruits. II. The role of spur leaves. The Journal of Horticultural Science, 1983, 58, 183-190.	0.3	28
128	Calcium uptake by developing apple fruits. I. Seasonal changes in calcium content of fruits. The Journal of Horticultural Science, 1983, 58, 173-182.	0.3	36
129	Cell sap osmotic potentials and frost tolerance in black currants (<i>Ribes nigrum</i> L.). The Journal of Horticultural Science, 1983, 58, 261-266.	0.3	5
130	Experimental control of water status in an apple orchard. The Journal of Horticultural Science, 1983, 58, 301-316.	0.3	34
131	Estimation of an effective soil water potential at the root surface of transpiring plants. Plant, Cell and Environment, 1983, 6, 671-674.	2.8	22
132	Surface Conductance and Water Balance of Developing Apple (<i>Malus pumila</i> Mill.) Fruits. Journal of Experimental Botany, 1982, 33, 67-77.	2.4	62
133	Rapid stomatal responses to humidity. Planta, 1982, 154, 135-138.	1.6	46
134	Carbon Dioxide Exchange of Developing Apple (<i>Malus pumila</i> Mill.) Fruits. Journal of Experimental Botany, 1981, 32, 1203-1210.	2.4	57
135	Investigation of Sectorial Patterns in Apple Shoots Using Abscisic Acid. Annals of Botany, 1980, 46, 815-817.	1.4	5
136	A portable system for simultaneous measurement of transpiration and CO ₂ exchange. Photosynthesis Research, 1980, 1, 83-92.	1.6	12
137	Resistance to Water Loss from the Mesophyll Cell Surface in Plant Leaves. Journal of Experimental Botany, 1980, 31, 545-553.	2.4	19
138	Water Potential-Water Content Relationships In Apple Leaves. Journal of Experimental Botany, 1979, 30, 965-970.	2.4	32
139	INTERNAL FACTORS CONTROLLING THE RATE OF EVAPORATION FROM FRONDS OF SOME INTERTIDAL ALGAE. New Phytologist, 1979, 83, 771-781.	3.5	29
140	Genotypic Variation in Leaf Water Potential, Stomatal Conductance and Abscisic Acid Concentration in Spring Wheat Subjected to Artificial Drought Stress. Annals of Botany, 1979, 44, 323-332.	1.4	70
141	Visual estimation of plant water status in cereals. Journal of Agricultural Science, 1979, 92, 83-89.	0.6	19
142	How plants respond to stress. Nature, 1978, 271, 610-610.	18.7	9
143	Modelling Diurnal Trends of Leaf Water Potential in Transpiring Wheat. Journal of Applied Ecology, 1978, 15, 613.	1.9	65
144	Aspects of the water relations of spring wheat (<i>Triticum aestivum</i> L.) in response to induced drought. Journal of Agricultural Science, 1977, 88, 267-282.	0.6	38

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145	Transpiration in Barley Lines with Differing Stomatal Frequencies. <i>Journal of Experimental Botany</i> , 1977, 28, 162-168.	2.4	55
146	The relations between the main shoot and tillers in barley plants. <i>Journal of Agricultural Science</i> , 1977, 88, 381-389.	0.6	70
147	Effects of manipulation of number of tillers and water supply on grain yield in barley. <i>Journal of Agricultural Science</i> , 1977, 88, 391-397.	0.6	47
148	Effects of Abscisic Acid and Water Stress on Development and Morphology of Wheat. <i>Journal of Experimental Botany</i> , 1977, 28, 192-203.	2.4	213
149	Stress physiology of crop plants. <i>Nature</i> , 1977, 269, 13-14.	13.7	12
150	Crop Characteristics and the Ratio Between Assimilation and Transpiration. <i>Journal of Applied Ecology</i> , 1976, 13, 605.	1.9	70
151	ASSESSMENT OF STOMATAL CONTROL OF PLANT WATER STATUS. <i>New Phytologist</i> , 1974, 73, 851-859.	3.5	25
152	Adjusting Photosynthetic Responses to Constant Stomal Apertures. <i>Crop Science</i> , 1974, 14, 344-344.	0.8	0
153	Estimation of plant water status with the beta-gauge. <i>Agricultural Meteorology</i> , 1973, 11, 345-355.	0.7	28
154	MODERATE-TERM WATER STRESSES AND ASSOCIATED CHANGES IN SOME PHOTOSYNTHETIC PARAMETERS IN COTTON. <i>New Phytologist</i> , 1973, 72, 1095-1105.	3.5	89
155	LIMITING FACTORS IN PHOTOSYNTHESIS. <i>New Phytologist</i> , 1973, 72, 1089-1094.	3.5	66
156	Photosynthesis by Thin Leaf Slices in Solution I. Properties of Leaf Slices and Comparison With Whole Leaves. <i>Australian Journal of Biological Sciences</i> , 1973, 26, 15.	0.5	63
157	Photosynthesis by Thin Leaf Slices in Solution II. Osmotic Stress and Its Effects on Photosynthesis. <i>Australian Journal of Biological Sciences</i> , 1973, 26, 25.	0.5	34
158	Gas Exchange in Plant Leaves Having Different Transfer Resistances Through Their Two Surfaces. <i>Australian Journal of Biological Sciences</i> , 1973, 26, 1045.	0.5	11
159	Estimation of the Transport and Carboxylation Components of the Intracellular Limitation to Leaf Photosynthesis. <i>Plant Physiology</i> , 1972, 50, 283-288.	2.3	53
160	Effects of Intercellular Resistances on Estimates of the Intracellular Resistance to Co ₂ Uptake by Plant Leaves. <i>Australian Journal of Biological Sciences</i> , 1972, 25, 443.	0.5	18