

Richard H Ellis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

172
papers

7,064
citations

44
h-index

77
g-index

174
ext. papers

7,724
ext. citations

4.1
avg, IF

5.64
L-index

#	Paper	IF	Citations
172	The impact of weather and increased atmospheric CO from 1892 to 2016 on simulated yields of UK wheat. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210250	4.1	1
171	CGIAR genebank viability data reveal inconsistencies in seed collection management. <i>Global Food Security</i> , 2021 , 30, 100557	8.3	5
170	Changes in agricultural climate in South-Eastern England from 1892 to 2016 and differences in cereal and permanent grassland yield. <i>Agricultural and Forest Meteorology</i> , 2021 , 308-309, 108560	5.8	2
169	Propagation of lusala (<i>Dioscorea hirtiflora</i>), a wild yam, for in situ and ex situ conservation and potential domestication. <i>Experimental Agriculture</i> , 2020 , 56, 453-468	1.7	
168	Progress and Challenges in Ex Situ Conservation of Forage Germplasm: Grasses, Herbaceous Legumes and Fodder Trees. <i>Plants</i> , 2020 , 9,	4.5	9
167	Investigating the effects of inter-annual weather variation (1968-2016) on the functional response of cereal grain yield to applied nitrogen, using data from the Rothamsted Long-Term Experiments. <i>Agricultural and Forest Meteorology</i> , 2020 , 284, 107898	5.8	13
166	Temporal patterns of seed germination in early spring-flowering temperate woodland geophytes are modified by warming. <i>Annals of Botany</i> , 2020 , 125, 1013-1023	4.1	6
165	Temporal patterns of seed quality development, decline, and timing of maximum quality during seed development and maturation. <i>Seed Science Research</i> , 2019 , 29, 135-142	1.3	21
164	Medium-term seed storage of diverse genera of forage grasses, evidence-based genebank monitoring intervals, and regeneration standards. <i>Genetic Resources and Crop Evolution</i> , 2019 , 66, 723-734	2.4	6
163	Collection, Consumption, and Sale of Lusala (<i>Dioscorea hirtiflora</i>) By Rural Households in Southern Province, Zambia. <i>Economic Botany</i> , 2019 , 73, 47-63	1.7	5
162	The Effects of Introgression of the Submergence1 Allele Into Rice Cultivar Ir64 on Post-harvest Seed Dormancy and Longevity. <i>Seed Science and Technology</i> , 2019 , 47, 93-101	0.6	
161	Seed quality in rice is most sensitive to drought and high temperature in early seed development. <i>Seed Science Research</i> , 2019 , 29, 238-249	1.3	8
160	Effect of simulated flooding during rice seed development and maturation on subsequent seed quality. <i>Seed Science Research</i> , 2018 , 28, 72-81	1.3	8
159	Medium-term seed storage of 50 genera of forage legumes and evidence-based genebank monitoring intervals. <i>Genetic Resources and Crop Evolution</i> , 2018 , 65, 607-623	2	15
158	Comparison of seed desiccation sensitivity amongst <i>Castanea sativa</i> , <i>Quercus ilex</i> and <i>Q. cerris</i> . <i>Seed Science and Technology</i> , 2018 , 46, 233-237	0.6	2
157	Longevity of 285 seed lots of wheat in hermetic storage compared with independent estimates from the seed viability equation. <i>Seed Science and Technology</i> , 2018 , 46, 341-347	0.6	0
156	Effects of rain shelter or simulated rain during grain filling and maturation on subsequent wheat grain quality in the UK. <i>Journal of Agricultural Science</i> , 2017 , 155, 300-316	1	9

155	Wheat seed weight and quality differ temporally in sensitivity to warm or cool conditions during seed development and maturation. <i>Annals of Botany</i> , 2017 , 120, 479-493	4.1	26
154	High-temperature stress during drying improves subsequent rice (<i>Oryza sativa</i> L.) seed longevity. <i>Seed Science Research</i> , 2017 , 27, 281-291	1.3	16
153	Resilience of rice (<i>Oryza</i> spp.) pollen germination and tube growth to temperature stress. <i>Plant, Cell and Environment</i> , 2016 , 39, 26-37	8.4	34
152	Development of ability to germinate and of longevity in air-dry storage in wheat seed crops subjected to rain shelter or simulated supplementary rainfall. <i>Seed Science Research</i> , 2016 , 26, 332-341	1.3	9
151	Effect of simulated rainfall during wheat seed development and maturation on subsequent seed longevity is reversible. <i>Seed Science Research</i> , 2016 , 26, 67-76	1.3	14
150	High night temperature induces contrasting responses for spikelet fertility, spikelet tissue temperature, flowering characteristics and grain quality in rice. <i>Functional Plant Biology</i> , 2015 , 42, 149-167	2.7	43
149	Temporal Sensitivities of Rice Seed Development from Spikelet Fertility to Viable Mature Seed to Extreme-Temperature. <i>Crop Science</i> , 2015 , 55, 354-364	2.4	22
148	Increases in the longevity of desiccation-phase developing rice seeds: response to high-temperature drying depends on harvest moisture content. <i>Annals of Botany</i> , 2015 , 116, 247-59	4.1	26
147	Ecophysiology of seed dormancy and the control of germination in early spring-flowering <i>Galanthus nivalis</i> and <i>Narcissus pseudonarcissus</i> (Amaryllidaceae). <i>Botanical Journal of the Linnean Society</i> , 2015 , 177, 246-262	2.2	12
146	Temporal Sensitivities of Rice Seed Development from Spikelet Fertility to Viable Mature Seed to Extreme-Temperature 2015 , 55, 354		1
145	Seed development and maturation in early spring-flowering <i>Galanthus nivalis</i> and <i>Narcissus pseudonarcissus</i> continues post-shedding with little evidence of maturation in planta. <i>Annals of Botany</i> , 2013 , 111, 945-55	4.1	27
144	Rice seed quality development and temperature during late development and maturation. <i>Seed Science Research</i> , 2011 , 21, 95-101	1.3	25
143	Developmental changes in the germinability, desiccation tolerance, hardseededness, and longevity of individual seeds of <i>Trifolium ambiguum</i> . <i>Annals of Botany</i> , 2010 , 105, 1035-52	4.1	35
142	Priming and re-drying improve the survival of mature seeds of <i>Digitalis purpurea</i> during storage. <i>Annals of Botany</i> , 2009 , 103, 1261-70	4.1	67
141	Post-abscission, pre-dispersal seeds of <i>Digitalis purpurea</i> remain in a developmental state that is not terminated by desiccation ex planta. <i>Annals of Botany</i> , 2009 , 103, 785-94	4.1	15
140	Temperature sensitivity of the low-moisture-content limit to negative seed longevity--moisture content relationships in hermetic storage. <i>Annals of Botany</i> , 2006 , 97, 785-91	4.1	62
139	Seed dormancy and germination of <i>Ficus lundellii</i> and tropical forest restoration. <i>Tree Physiology</i> , 2006 , 26, 81-5	4.2	7
138	Prediction of cottonseed longevity. <i>Pesquisa Agropecuaria Brasileira</i> , 2006 , 41, 1435-1441	1.8	5

137	Seed Development, Maturation and Storage Behaviour of <i>Mimusops elengi</i> L.. <i>New Forests</i> , 2006 , 32, 9-19	2.6	6
136	Saturated salt solutions for humidity control and the survival of dry powder and oil formulations of <i>Beauveria bassiana</i> conidia. <i>Journal of Invertebrate Pathology</i> , 2005 , 89, 136-43	2.6	29
135	Nitrogen fertilizer and seed rate effects on Hagberg falling number of hybrid wheats and their parents are associated with α -amylase activity, grain cavity size and dormancy. <i>Journal of the Science of Food and Agriculture</i> , 2005 , 85, 727-742	4.3	31
134	Seed survival in Chilean <i>Nothofagus</i> in response to desiccation and storage. <i>Seed Science Research</i> , 2005 , 15, 113-123	1.3	3
133	Acclimation of photosynthesis to elevated CO ₂ in onion (<i>Allium cepa</i>) grown at a range of temperatures. <i>Annals of Applied Biology</i> , 2004 , 144, 103-111	2.6	7
132	Mutant alleles at the rugosus loci in pea affect seed moisture sorption isotherms and the relations between seed longevity and moisture content. <i>Journal of Experimental Botany</i> , 2003 , 54, 445-50	7	13
131	Relative humidity, temperature, and the equilibrium moisture content of conidia of <i>Beauveria bassiana</i> (Balsamo) Vuillemin: a quantitative approach. <i>Journal of Stored Products Research</i> , 2002 , 38, 33-41	2.5	18
130	Responses of wheat grain yield and quality to seed rate. <i>Journal of Agricultural Science</i> , 2002 , 138, 317-331		58
129	Seed storage behaviour of <i>Fagus sylvatica</i> and <i>Fagus crenata</i> . <i>Seed Science Research</i> , 2002 , 12, 31-37	1.3	30
128	The effect of storage environment on the longevity of conidia of <i>Beauveria bassiana</i> . <i>Mycological Research</i> , 2001 , 105, 597-602		33
127	An evaluation of uptake and developmental impact in the semi-arid tropics of four crop production models. <i>Journal of Agricultural Science</i> , 2000 , 134, 173-180	1	1
126	Escape and tolerance to high temperature at flowering in groundnut (<i>Arachis hypogaea</i> L.). <i>Journal of Agricultural Science</i> , 2000 , 135, 371-378	1	14
125	Temperature variability and the yield of annual crops. <i>Agriculture, Ecosystems and Environment</i> , 2000 , 82, 159-167	5.7	401
124	Crop Improvement and the Accumulation and Partitioning of Biomass and Nitrogen in Lentil. <i>Crop Science</i> , 2000 , 40, 110-120	2.4	23
123	Validation of a Photothermal Phenology Model for Predicting Dates of Flowering and Maturity in Legume Cover Crops using Field Observations. <i>Biological Agriculture and Horticulture</i> , 2000 , 17, 349-365	1.6	2
122	The effects of duration of development and drying regime on the longevity of conidia of <i>Metarhizium flavoviride</i> . <i>Mycological Research</i> , 2000 , 104, 662-665		29
121	Dormancy, viability and longevity. 2000 , 183-214		79
120	Effect of Temperature and Water Deficit on Water-Use Efficiency, Carbon Isotope Discrimination, and Specific Leaf Area in Peanut. <i>Crop Science</i> , 1999 , 39, 136-142	2.4	98

119	Seed Yield after Environmental Stress in Soybean Grown under Elevated CO ₂ . <i>Crop Science</i> , 1999 , 39, 710-718	2.4	37
118	Differences in the Effects of Temperature and Photoperiod on Progress to Flowering among Diverse <i>Mucuna</i> spp.. <i>Journal of Agronomy and Crop Science</i> , 1999 , 182, 249-258	3.9	5
117	Yield-density equations can be extended to quantify the effect of applied nitrogen and cultivar on wheat grain yield. <i>Annals of Applied Biology</i> , 1999 , 134, 347-352	2.6	10
116	Adaptation of sorghum: characterisation of genotypic flowering responses to temperature and photoperiod. <i>Theoretical and Applied Genetics</i> , 1999 , 99, 900-911	6	62
115	Fluctuating Temperature and the Longevity of Conidia of <i>Metarhizium flavoviride</i> in Storage. <i>Biocontrol Science and Technology</i> , 1999 , 9, 165-176	1.7	27
114	A Model of the Effect of Temperature and Moisture on Pollen Longevity in Air-dry Storage Environments. <i>Annals of Botany</i> , 1999 , 83, 167-173	4.1	16
113	Modelling the effects of temperature on the rates of seedling emergence and leaf appearance in legume cover crops. <i>Experimental Agriculture</i> , 1999 , 35, 327-344	1.7	18
112	How to store seeds to conserve biodiversity. <i>Nature</i> , 1998 , 395, 758-758	50.4	18
111	Canopy development and tillering of field-grown crops of two contrasting cultivars of winter wheat (<i>Triticum aestivum</i>) in response to CO ₂ and temperature. <i>Annals of Applied Biology</i> , 1998 , 133, 101-109	2.6	7
110	Effect of High Temperature Stress at Anthesis on Grain Yield and Biomass of Field-grown Crops of Wheat. <i>Annals of Botany</i> , 1998 , 82, 631-639	4.1	249
109	Reimposition of conditional dormancy during air-dry storage of prechilled Sitka spruce seeds. <i>Seed Science Research</i> , 1998 , 8, 113-122	1.3	10
108	Postharvest sprouting of onion bulbs grown in different temperature and CO ₂ environments in the UK. <i>Journal of Horticultural Science and Biotechnology</i> , 1998 , 73, 750-754	1.9	1
107	FLOWERING IN PIGEONPEA IN KENYA: SENSITIVITY TO PHOTOPERIOD AND TEMPERATURE DURING PRE-FLOWERING DEVELOPMENT. <i>Experimental Agriculture</i> , 1998 , 34, 249-258	1.7	3
106	Yield and partitioning in crops of contrasting cultivars of winter wheat in response to CO ₂ and temperature in field studies using temperature gradient tunnels. <i>Journal of Agricultural Science</i> , 1998 , 130, 17-27	1	59
105	Recovery of Photosynthesis after Environmental Stress in Soybean Grown under Elevated CO ₂ . <i>Crop Science</i> , 1998 , 38, 948-955	2.4	40
104	Effect of Temperature on Time to Panicle Initiation and Leaf Appearance in Sorghum. <i>Crop Science</i> , 1998 , 38, 942-947	2.4	42
103	Reproductive development and crop adaptation. <i>Journal of Biological Education</i> , 1997 , 31, 97-105	0.9	1
102	The effect of the initial rate of drying on the subsequent ability of immature seeds of Norway maple (<i>Acer platanoides</i> L.) to survive rapid desiccation. <i>Seed Science Research</i> , 1997 , 7, 41-46	1.3	13

101	Loss and induction of conditional dormancy in seeds of Sitka spruce maintained moist at different temperatures. <i>Seed Science Research</i> , 1997 , 7, 351-358	1.3	22
100	The growth, development and yield of onion (<i>Allium cepa</i> L.) in response to temperature and CO ₂ . <i>The Journal of Horticultural Science</i> , 1997 , 72, 135-145		26
99	Effects of Photoperiod, Temperature and Asynchrony between Thermoperiod and Photoperiod on Development to Panicle Initiation in Sorghum. <i>Annals of Botany</i> , 1997 , 79, 169-178	4.1	29
98	Dry Matter Partitioning in Groundnut Exposed to High Temperature Stress. <i>Crop Science</i> , 1997 , 37, 1507-1513	4.13	32
97	Environmental and genetic regulation of flowering of tropical annual crops. <i>Euphytica</i> , 1997 , 96, 83-91	2.1	14
96	Developmental Implications of Photoperiod Sensitivity in Soybean (<i>Glycine max</i> [L.] Merr.). <i>International Journal of Plant Sciences</i> , 1997 , 158, 142-151	2.6	5
95	SEED: A Computer-Assisted Learning Package on Seed Longevity. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1997 , 651-655		
94	Phenological adaptation to cropping environment. From evaluation descriptors of times to flowering to the genetic characterisation of flowering responses to photoperiod and temperature. <i>Developments in Plant Breeding</i> , 1997 , 303-308		1
93	Rice flowering in response to diurnal temperature amplitude. <i>Field Crops Research</i> , 1996 , 48, 1-9	5.5	21
92	Development in Cowpea (<i>Vigna unguiculata</i>). I. The Influence of Temperature on Seed Germination and Seedling Emergence. <i>Experimental Agriculture</i> , 1996 , 32, 1-12	1.7	27
91	Development in Cowpea (<i>Vigna unguiculata</i>). III. Effects of Temperature and Photoperiod on Time to Flowering in Photoperiod-sensitive Genotypes and Screening for Photothermal Responses. <i>Experimental Agriculture</i> , 1996 , 32, 29-40	1.7	16
90	Development in Cowpea (<i>Vigna unguiculata</i>). II. Effect of Temperature and Saturation Deficit on Time to Flowering in Photoperiod-Insensitive Genotypes. <i>Experimental Agriculture</i> , 1996 , 32, 13-28	1.7	15
89	Developmental and tillering responses of winter wheat (<i>Triticum aestivum</i>) crops to CO ₂ and temperature. <i>Journal of Agricultural Science</i> , 1996 , 127, 23-35	1	22
88	Use of field observations to characterise genotypic flowering responses to photoperiod and temperature: a soyabean exemplar. <i>Theoretical and Applied Genetics</i> , 1996 , 93, 519-33	6	38
87	Phenological adaptation to cropping environment. From evaluation descriptors of times to flowering to the genetic characterisation of flowering responses to photoperiod and temperature. <i>Euphytica</i> , 1996 , 92, 281-286	2.1	3
86	A stability analysis of time to flowering as a screen for responsiveness to temperature and photoperiod in cowpea (<i>Vigna unguiculata</i>). <i>Euphytica</i> , 1996 , 88, 77-84	2.1	2
85	The effect of temperature and CO ₂ on seed quality development in wheat (<i>Triticum aestivum</i> L.). <i>Journal of Experimental Botany</i> , 1996 , 47, 631-637	7	28
84	Growth and yield of winter wheat (<i>Triticum aestivum</i>) crops in response to CO ₂ and temperature. <i>Journal of Agricultural Science</i> , 1996 , 127, 37-48	1	160

83	Use Of Field Observations To Characterise Genotypic Flowering Responses To Photoperiod And Temperature: a Soyabean Exemplar. <i>Theoretical and Applied Genetics</i> , 1996 , 93, 519-533	6	
82	Temperature gradient chambers for research on global environment change. II. A twin-wall tunnel system for low-stature, field-grown crops using a split heat pump. <i>Plant, Cell and Environment</i> , 1995 , 18, 1055-1063	8.4	30
81	Linear Relations between Carbon Dioxide Concentration and Rate of Development Towards Flowering in Sorghum, Cowpea and Soyabean. <i>Annals of Botany</i> , 1995 , 75, 193-198	4.1	23
80	Survival and Vigour of Lettuce (<i>Lactuca sativa</i> L.) and Sunflower (<i>Helianthus annuus</i> L.) Seeds Stored at Low and Very-low Moisture Contents. <i>Annals of Botany</i> , 1995 , 76, 521-534	4.1	24
79	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. VI. Applications in Crop Improvement. <i>Experimental Agriculture</i> , 1995 , 31, 89-108	1.7	34
78	Relative Importance of Air and Floodwater Temperatures on the Development of Rice (<i>Oryza Sativa</i>). <i>Experimental Agriculture</i> , 1995 , 31, 151-160	1.7	8
77	Characterization of photothermal flowering responses in maturity isolines of soyabean [<i>Glycine max</i> (L.) Merrill] cv. Clark. <i>Annals of Botany</i> , 1994 , 74, 87-96	4.1	46
76	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. III. Cowpea <i>Vigna unguiculata</i> . <i>Experimental Agriculture</i> , 1994 , 30, 17-29	1.7	20
75	Variation in the durations of the photoperiod-sensitive and photoperiod-insensitive phases of development to flowering among eight maturity isolines of soyabean [<i>Glycine max</i> (L.) Merrill]. <i>Annals of Botany</i> , 1994 , 74, 97-101	4.1	29
74	Field evaluation of a model of photothermal flowering responses in a world lentil collection. <i>Theoretical and Applied Genetics</i> , 1994 , 88, 423-8	6	52
73	Overcoming seed dormancy in ex situ plant germplasm conservation programmes; an example in the endemic <i>Argyranthemum</i> (Asteraceae: Anthemideae) species from the Canary Islands. <i>Biodiversity and Conservation</i> , 1994 , 3, 341-353	3.4	8
72	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. IV. Cultivated and Wild Mung Bean. <i>Experimental Agriculture</i> , 1994 , 30, 31-43	1.7	16
71	Seed Quality in Relation to Seed Development and Maturation in Three Genotypes of Soyabean (<i>Glycine max</i>). <i>Experimental Agriculture</i> , 1994 , 30, 139	1.7	34
70	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. V. Chickpea (<i>Cicer arietinum</i>). <i>Experimental Agriculture</i> , 1994 , 30, 271-282	1.7	27
69	Crop physiology and productivity in the cool season food legumes: recent advances in the measurement and prediction of photothermal effects on flowering. <i>Current Plant Science and Biotechnology in Agriculture</i> , 1994 , 755-770		2
68	Durations of the Photoperiod-sensitive and Photoperiod-insensitive Phases of Development to Flowering in Four Cultivars of Soyabean [<i>Glycine max</i> (L.) Merrill]. <i>Annals of Botany</i> , 1993 , 71, 389-394	4.1	21
67	Rates of leaf appearance and panicle development in rice (<i>Oryza sativa</i> L.): a comparison at three temperatures. <i>Agricultural and Forest Meteorology</i> , 1993 , 66, 129-138	5.8	22
66	Changes in potential seed longevity and seedling growth during seed development and maturation in marrow. <i>Seed Science Research</i> , 1993 , 3, 247-257	1.3	32

65	Adaptation of Flowering in Crops to Climate. <i>Outlook on Agriculture</i> , 1993 , 22, 105-110	2.9	28
64	Response of Seed Longevity to Moisture Content in Three Genotypes of Soyabean (GLYCINE MAX). <i>Experimental Agriculture</i> , 1993 , 29, 449-459	1.7	7
63	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. II. Soyabean (Glycine Max). <i>Experimental Agriculture</i> , 1993 , 29, 253-289	1.7	55
62	The Survival of Germinating Orthodox Seeds after Desiccation and Hermetic Storage. <i>Journal of Experimental Botany</i> , 1992 , 43, 239-247	7	40
61	Development of desiccation tolerance in Norway maple (<i>Acer platanoides</i> L.) seeds during maturation drying. <i>Seed Science Research</i> , 1992 , 2, 169-172	1.3	29
60	The Low-moisture-content Limit to the Negative Logarithmic Relation Between Seed Longevity and Moisture Content in Three Subspecies of Rice. <i>Annals of Botany</i> , 1992 , 69, 53-58	4.1	62
59	The Analysis of Reciprocal Transfer Experiments to Estimate the Durations of the Photoperiod-sensitive and Photoperiod-insensitive Phases of Plant Development: An Example in Soya Bean. <i>Annals of Botany</i> , 1992 , 70, 87-92	4.1	57
58	Durations of the Photoperiod-sensitive and Photoperiod-insensitive Phases of Development to Flowering in Four Cultivars of Rice (<i>Oryza sativa</i> L.). <i>Annals of Botany</i> , 1992 , 70, 339-346	4.1	35
57	Photothermal Responses of Flowering in Rice (<i>Oryza sativa</i>). <i>Annals of Botany</i> , 1992 , 69, 101-112	4.1	62
56	The development of seed quality in spring and winter cultivars of barley and wheat. <i>Seed Science Research</i> , 1992 , 2, 9-15	1.3	90
55	Changes in seed quality during seed development and maturation in tomato. <i>Seed Science Research</i> , 1992 , 2, 81-87	1.3	74
54	Seed quality and seedling emergence in onion (<i>Allium cepa</i> L.). <i>The Journal of Horticultural Science</i> , 1992 , 67, 319-332		7
53	Photoperiod, Temperature, and the Interval from Sowing to Tassel Initiation in Diverse Cultivars of Maize. <i>Crop Science</i> , 1992 , 32, 1225-1232	2.4	63
52	Seed and seedling vigour in relation to crop growth and yield. <i>Plant Growth Regulation</i> , 1992 , 11, 249-255.2		99
51	Development of pepper (<i>Capsicum annum</i>) seed quality. <i>Annals of Applied Biology</i> , 1992 , 121, 385-399	2.6	45
50	Longevity of pearl millet (<i>Pennisetum glaucum</i>) seeds harvested at different stages of maturity. <i>Annals of Applied Biology</i> , 1991 , 119, 97-103	2.6	30
49	Seed quality, cotyledon elongation at suboptimal temperatures, and the yield of onion. <i>Seed Science Research</i> , 1991 , 1, 57-67	1.3	21
48	Seed moisture content, storage, viability and vigour. <i>Seed Science Research</i> , 1991 , 1, 275-279	1.3	35

47	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. I. The Development of Simple Models for Fluctuating Field Environments. <i>Experimental Agriculture</i> , 1991 , 27, 11-31	1.7	99
46	An Intermediate Category of Seed Storage Behaviour? II. EFFECTS OF PROVENANCE, IMMATURITY, AND IMBIBITION ON DESICCATION-TOLERANCE IN COFFEE. <i>Journal of Experimental Botany</i> , 1991 , 42, 653-657	7	65
45	Effect of storage temperature and moisture on the germination of papaya seeds. <i>Seed Science Research</i> , 1991 , 1, 69-72	1.3	71
44	Seed storage behaviour in <i>Elaeis guineensis</i> . <i>Seed Science Research</i> , 1991 , 1, 99-104	1.3	77
43	The development of seed quality in spring barley in four environments. II. Field emergence and seedling size. <i>Seed Science Research</i> , 1991 , 1, 179-185	1.3	15
42	The development of seed quality in spring barley in four environments. I. Germination and longevity. <i>Seed Science Research</i> , 1991 , 1, 163-177	1.3	72
41	Temperature and Seed Storage Longevity. <i>Annals of Botany</i> , 1990 , 65, 197-204	4.1	121
40	Flowering in Faba Bean: Genotypic Differences in Photoperiod Sensitivity, Similarities in Temperature Sensitivity, and Implications for Screening Germplasm. <i>Annals of Botany</i> , 1990 , 65, 129-138 ^{4.1}		19
39	Low Moisture Content Limits to Relations Between Seed Longevity and Moisture. <i>Annals of Botany</i> , 1990 , 65, 493-504	4.1	93
38	Moisture Content and the Longevity of Seeds of <i>Phaseolus vulgaris</i> . <i>Annals of Botany</i> , 1990 , 66, 341-348 ^{4.1}		29
37	A comparison of maturation drying, germination, and desiccation tolerance between developing seeds of <i>Acer pseudoplatanus</i> L. and <i>Acer platanoides</i> L. <i>New Phytologist</i> , 1990 , 116, 589-596	9.8	102
36	Characterization of responses to temperature and photoperiod for time to flowering in a world lentil collection. <i>Theoretical and Applied Genetics</i> , 1990 , 80, 193-9	6	61
35	An Intermediate Category of Seed Storage Behaviour?. <i>Journal of Experimental Botany</i> , 1990 , 41, 1167-1174		318
34	Response of Seed Germination in Three Genera of Compositae to White Light of Varying Photon Flux Density and Photoperiod. <i>Journal of Experimental Botany</i> , 1989 , 40, 13-22	7	6
33	Effects of seed ageing on growth and yield of spring wheat at different plant-population densities. <i>Field Crops Research</i> , 1989 , 20, 175-190	5.5	33
32	Environmental Control of Flowering in Barley (<i>Hordeum vulgare</i>). III. Analysis of Potential Vernalization Responses, and Methods of Screening Germplasm for Sensitivity to Photoperiod and Temperature. <i>Annals of Botany</i> , 1989 , 63, 687-704	4.1	20
31	A Comparison of the Low-Moisture-Content Limit to the Logarithmic Relation Between Seed Moisture and Longevity in Twelve Species. <i>Annals of Botany</i> , 1989 , 63, 601-611	4.1	90
30	Water and Seed Survival. <i>Annals of Botany</i> , 1989 , 63, 39-39	4.1	210

29	Vernalization in Chickpea (<i>Cicer arietinum</i>); Fact or Artefact?. <i>Annals of Botany</i> , 1989 , 64, 599-603	4.1	36
28	The germination and emergence of seeds of winter oilseed rape stored and sown in admixture with pelleted methiocarb. <i>Annals of Applied Biology</i> , 1988 , 112, 555-561	2.6	3
27	The Effects of Priming and Natural Differences in Quality amongst Onion Seed Lots on the Response of the Rate of Germination to Temperature and the Identification of the Characteristics under Genotypic Control. <i>Journal of Experimental Botany</i> , 1988 , 39, 935-950	7	64
26	A Low-Moisture-Content Limit to Logarithmic Relations Between Seed Moisture Content and Longevity. <i>Annals of Botany</i> , 1988 , 61, 405-408	4.1	68
25	Variation in the Optimum Temperature for Rates of Seedling Emergence and Progress Towards Flowering Amongst Six Genotypes of Faba Bean (<i>Vicia faba</i>). <i>Annals of Botany</i> , 1988 , 62, 119-126	4.1	33
24	Environmental Control of Flowering in Barley (<i>Hordeum vulgare</i> L.). I. Photoperiod Limits to Long-day Responses, Photoperiod-insensitive Phases and Effects of Low-temperature and Short-day Vernalization. <i>Annals of Botany</i> , 1988 , 62, 127-144	4.1	76
23	Environmental Control of Flowering in Barley (<i>Hordeum vulgare</i> L.). II. Rate of Development as a Function of Temperature and Photoperiod and its Modification by Low-temperature Vernalization. <i>Annals of Botany</i> , 1988 , 62, 145-158	4.1	34
22	Effects of Temperature, Photoperiod and Seed Vernalization on Flowering in Faba Bean <i>Vicia faba</i> . <i>Annals of Botany</i> , 1988 , 61, 17-27	4.1	31
21	Photothermal Time for Flowering in Faba Bean (<i>Vicia faba</i>) and the Analysis of Potential Vernalization Responses. <i>Annals of Botany</i> , 1988 , 61, 73-82	4.1	16
20	Photothermal Time for Flowering in Lentils (<i>Lens culinaris</i>) and the Analysis of Potential Vernalization Responses. <i>Annals of Botany</i> , 1988 , 61, 29-39	4.1	17
19	The Influence of Pre and Post-storage Hydration Treatments on Chromosomal Aberrations, Seedling Abnormalities, and Viability of Lettuce Seeds. <i>Annals of Botany</i> , 1987 , 60, 97-108	4.1	22
18	The Development of Desiccation-tolerance and Maximum Seed Quality During Seed Maturation in Six Grain Legumes. <i>Annals of Botany</i> , 1987 , 59, 23-29	4.1	63
17	The Influence of Temperature on Seed Germination Rate in Grain Legumes. <i>Journal of Experimental Botany</i> , 1987 , 38, 1033-1043	7	64
16	Logarithmic Relationship between Moisture Content and Longevity in Sesame Seeds. <i>Annals of Botany</i> , 1986 , 57, 499-503	4.1	39
15	Effects of laboratory germination, soil temperature and moisture content on the emergence of spring wheat. <i>Journal of Agricultural Science</i> , 1986 , 107, 431-438	1	36
14	THE RESPONSE OF SEEDS OF <i>BROMUS STERILIS</i> L. AND <i>BROMUS MOLLIS</i> L. TO WHITE LIGHT OF VARYING PHOTON FLUX DENSITY AND PHOTOPERIOD. <i>New Phytologist</i> , 1986 , 104, 485-496	9.8	17
13	Plant gene conservation. <i>Nature</i> , 1986 , 319, 615-615	50.4	2
12	The Influence of Temperature on Seed Germination Rate in Grain Legumes. <i>Journal of Experimental Botany</i> , 1986 , 37, 1503-1515	7	166

11	Quantal Response of Seed Germination in <i>Brachiaria humidicola</i> , <i>Echinochloa turnerana</i> , <i>Eragrostis tef</i> and <i>Panicum maximum</i> to Photon Dose for the Low Energy Reaction and the High Irradiance Reaction. <i>Journal of Experimental Botany</i> , 1986 , 37, 742-753	7	14
10	The Influence of Temperature on Seed Germination Rate in Grain Legumes. <i>Journal of Experimental Botany</i> , 1986 , 37, 705-715	7	257
9	Effects of Temperature and Photoperiod on Flowering in Lentils (<i>Lens culinaris</i> Medic.). <i>Annals of Botany</i> , 1985 , 56, 659-671	4.1	72
8	An Investigation of the Influence of Constant and Alternating Temperature on the Germination of Cassava Seed using a Two-dimensional Temperature Gradient Plate. <i>Annals of Botany</i> , 1982 , 49, 241-246	4.1	21
7	The Influence of Genotype, Temperature and Moisture on Seed Longevity in Chickpea, Cowpea and Soya bean. <i>Annals of Botany</i> , 1982 , 50, 69-82	4.1	58
6	An Investigation into the Possible Effects of Ripeness and Repeated Threshing on Barley Seed Longevity under Six Different Storage Environments. <i>Annals of Botany</i> , 1981 , 48, 93-96	4.1	9
5	Improved Equations for the Prediction of Seed Longevity. <i>Annals of Botany</i> , 1980 , 45, 13-30	4.1	433
4	The Influence of Temperature and Moisture on Seed Viability Period in Barley (<i>Hordeum distichum</i> L.). <i>Annals of Botany</i> , 1980 , 45, 31-37	4.1	106
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2	Prediction of seed longevity at sub-zero temperatures and genetic resources conservation. <i>Nature</i> , 1977 , 268, 431-433	50.4	23
1	The J. Derek Bewley Career Lecture. Seeds, plants, crops, biodiversity, environment, people: illustrating understanding and ideas. <i>Seed Science Research</i> , 1-8	1.3	