Richard H Ellis

List of Publications by Citations

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	Improved Equations for the Prediction of Seed Longevity. *Annals of Botany*, **1980**, 45, 13-30	4.1	433
171	Temperature variability and the yield of annual crops. *Agriculture, Ecosystems and Environment*, **2000**, 82, 159-167	5.7	401
170	An Intermediate Category of Seed Storage Behaviour?. *Journal of Experimental Botany*, **1990**, 41, 1167-1174	7	318
169	The Influence of Temperature on Seed Germination Rate in Grain Legumes. *Journal of Experimental Botany*, **1986**, 37, 705-715	7	257
168	Effect of High Temperature Stress at Anthesis on Grain Yield and Biomass of Field-grown Crops of Wheat. *Annals of Botany*, **1998**, 82, 631-639	4.1	249
167	Water and Seed Survival. *Annals of Botany*, **1989**, 63, 39-39	4.1	210
166	The Influence of Temperature on Seed Germination Rate in Grain Legumes. *Journal of Experimental Botany*, **1986**, 37, 1503-1515	7	166
165	Growth and yield of winter wheat (Triticum aestivum) crops in response to CO2 and temperature. *Journal of Agricultural Science*, **1996**, 127, 37-48	1	160
164	Temperature and Seed Storage Longevity. *Annals of Botany*, **1990**, 65, 197-204	4.1	121
163	The Influence of Temperature and Moisture on Seed Viability Period in Barley (Hordeum distichum L.). *Annals of Botany*, **1980**, 45, 31-37	4.1	106
162	A comparison of maturation drying, germination, and desiccation tolerance between developing seeds of Acer pseudoplatanus L. and Acer platanoides L. *New Phytologist*, **1990**, 116, 589-596	9.8	102
161	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. I. The Development of Simple Models for Fluctuating Field Environments. *Experimental Agriculture*, **1991**, 27, 11-31	1.7	99
160	Seed and seedling vigour in relation to crop growth and yield. *Plant Growth Regulation*, **1992**, 11, 249-255	3.2	99
159	Effect of Temperature and Water Deficit on Water-Use Efficiency, Carbon Isotope Discrimination, and Specific Leaf Area in Peanut. *Crop Science*, **1999**, 39, 136-142	2.4	98
158	Low Moisture Content Limits to Relations Between Seed Longevity and Moisture. *Annals of Botany*, **1990**, 65, 493-504	4.1	93
157	The development of seed quality in spring and winter cultivars of barley and wheat. *Seed Science Research*, **1992**, 2, 9-15	1.3	90
156	A Comparison of the Low-Moisture-Content Limit to the Logarithmic Relation Between Seed Moisture and Longevity in Twelve Species. *Annals of Botany*, **1989**, 63, 601-611	4.1	90

155	Dormancy, viability and longevity. **2000**, 183-214		79
154	Seed storage behaviour in Elaeis guineensis. *Seed Science Research*, **1991**, 1, 99-104	1.3	77
153	Environmental Control of Flowering in Barley (Hordeum vulgare L.). I. Photoperiod Limits to Long-day Responses, Photoperiod-insensitive Phases and Effects of Low-temperature and Short-day Vernalization. *Annals of Botany*, **1988**, 62, 127-144	4.1	76
152	Changes in seed quality during seed development and maturation in tomato. *Seed Science Research*, **1992**, 2, 81-87	1.3	74
151	The development of seed quality in spring barley in four environments. I. Germination and longevity. *Seed Science Research*, **1991**, 1, 163-177	1.3	72
150	Effects of Temperature and Photoperiod on Flowering in Lentils (Lens culinaris Medic.). *Annals of Botany*, **1985**, 56, 659-671	4.1	72
149	Effect of storage temperature and moisture on the germination of papaya seeds. *Seed Science Research*, **1991**, 1, 69-72	1.3	71
148	A Low-Moisture-Content Limit to Logarithmic Relations Between Seed Moisture Content and Longevity. *Annals of Botany*, **1988**, 61, 405-408	4.1	68
147	Priming and re-drying improve the survival of mature seeds of Digitalis purpurea during storage. *Annals of Botany*, **2009**, 103, 1261-70	4.1	67
146	An Intermediate Category of Seed Storage Behaviour?II. EFFECTS OF PROVENANCE, IMMATURITY, AND IMBIBITION ON DESICCATION-TOLERANCE IN COFFEE. *Journal of Experimental Botany*, **1991**, 42, 653-657	7	65
145	The Influence of Temperature on Seed Germination Rate in Grain Legumes. *Journal of Experimental Botany*, **1987**, 38, 1033-1043	7	64
144	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. *Journal of Experimental Botany*, **1988**, 39, 935-950	7	64
143	Photoperiod, Temperature, and the Interval from Sowing to Tassel Initiation in Diverse Cultivars of Maize. *Crop Science*, **1992**, 32, 1225-1232	2.4	63
142	The Development of Desiccation-tolerance and Maximum Seed Quality During Seed Maturation in Six Grain Legumes. *Annals of Botany*, **1987**, 59, 23-29	4.1	63
141	Temperature sensitivity of the low-moisture-content limit to negative seed longevity--moisture content relationships in hermetic storage. *Annals of Botany*, **2006**, 97, 785-91	4.1	62
140	Adaptation of sorghum: characterisation of genotypic flowering responses to temperature and photoperiod. *Theoretical and Applied Genetics*, **1999**, 99, 900-911	6	62
139	The Low-moisture-content Limit to the Negative Logarithmic Relation Between Seed Longevity and Moisture Content in Three Subspecies of Rice. *Annals of Botany*, **1992**, 69, 53-58	4.1	62
138	Photothermal Responses of Flowering in Rice (Oryza sativa). *Annals of Botany*, **1992**, 69, 101-112	4.1	62

137	Characterization of responses to temperature and photoperiod for time to flowering in a world lentil collection. *Theoretical and Applied Genetics*, **1990**, 80, 193-9	6	61
136	Yield and partitioning in crops of contrasting cultivars of winter wheat in response to CO2 and temperature in field studies using temperature gradient tunnels. *Journal of Agricultural Science*, **1998**, 130, 17-27	1	59
135	Responses of wheat grain yield and quality to seed rate. *Journal of Agricultural Science*, **2002**, 138, 317-331	1	58
134	The Influence of Genotype, Temperature and Moisture on Seed Longevity in Chickpea, Cowpea and Soya bean. *Annals of Botany*, **1982**, 50, 69-82	4.1	58
133	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. *Annals of Botany*, **1992**, 70, 87-92	4.1	57
132	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. II. Soyabean (Glycine Max). *Experimental Agriculture*, **1993**, 29, 253-289	1.7	55
131	Field evaluation of a model of photothermal flowering responses in a world lentil collection. *Theoretical and Applied Genetics*, **1994**, 88, 423-8	6	52
130	Characterization of photothermal flowering responses in maturity isolines of soyabean [Glycine max (L.) Merrill] cv. Clark. *Annals of Botany*, **1994**, 74, 87-96	4.1	46
129	Development of pepper (Capsicum annuum) seed quality. *Annals of Applied Biology*, **1992**, 121, 385-399	2.6	45
128	High night temperature induces contrasting responses for spikelet fertility, spikelet tissue temperature, flowering characteristics and grain quality in rice. *Functional Plant Biology*, **2015**, 42, 149-161	2.7	43
127	Effect of Temperature on Time to Panicle Initiation and Leaf Appearance in Sorghum. *Crop Science*, **1998**, 38, 942-947	2.4	42
126	Recovery of Photosynthesis after Environmental Stress in Soybean Grown under Elevated CO2. *Crop Science*, **1998**, 38, 948-955	2.4	40
125	The Survival of Germinating Orthodox Seeds after Desiccation and Hermetic Storage. *Journal of Experimental Botany*, **1992**, 43, 239-247	7	40
124	Logarithmic Relationship between Moisture Content and Longevity in Sesame Seeds. *Annals of Botany*, **1986**, 57, 499-503	4.1	39
123	Use of field observations to characterise genotypic flowering responses to photoperiod and temperature: a soyabean exemplar. *Theoretical and Applied Genetics*, **1996**, 93, 519-33	6	38
122	Seed Yield after Environmental Stress in Soybean Grown under Elevated CO2. *Crop Science*, **1999**, 39, 710-718	2.4	37
121	Vernalization in Chickpea (Cicer arietinum); Fact or Artefact?. *Annals of Botany*, **1989**, 64, 599-603	4.1	36
120	Effects of laboratory germination, soil temperature and moisture content on the emergence of spring wheat. *Journal of Agricultural Science*, **1986**, 107, 431-438	1	36

119	Developmental changes in the germinability, desiccation tolerance, hardseededness, and longevity of individual seeds of Trifolium ambiguum. *Annals of Botany*, **2010**, 105, 1035-52	4.1	35
118	Seed moisture content, storage, viability and vigour. *Seed Science Research*, **1991**, 1, 275-279	1.3	35
117	Durations of the Photoperiod-sensitive and Photoperiod-insensitive Phases of Development to Flowering in Four Cultivars of Rice (Oryza sativa L.). *Annals of Botany*, **1992**, 70, 339-346	4.1	35
116	Resilience of rice (Oryza spp.) pollen germination and tube growth to temperature stress. *Plant, Cell and Environment*, **2016**, 39, 26-37	8.4	34
115	Seed Quality in Relation to Seed Development and Maturation in Three Genotypes of Soyabean (Glycine max). *Experimental Agriculture*, **1994**, 30, 139	1.7	34
114	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. VI. Applications in Crop Improvement. *Experimental Agriculture*, **1995**, 31, 89-108	1.7	34
113	Environmental Control of Flowering in Barley (Hordeum vulgare L.). II. Rate of Developement as a Function of Temperature and Photoperiod and its Modification by Low-temperature Vernalization. *Annals of Botany*, **1988**, 62, 145-158	4.1	34
112	The effect of storage environment on the longevity of conidia of Beauveria bassiana. *Mycological Research*, **2001**, 105, 597-602		33
111	Effects of seed ageing on growth and yield of spring wheat at different plant-population densities. *Field Crops Research*, **1989**, 20, 175-190	5.5	33
110	Variation in the Optimum Temperature for Rates of Seedling Emergence and Progress Towards Flowering Amongst Six Genotypes of Faba Bean (Vicia faba). *Annals of Botany*, **1988**, 62, 119-126	4.1	33
109	Dry Matter Partitioning in Groundnut Exposed to High Temperature Stress. *Crop Science*, **1997**, 37, 1507-1513	2.4	32
108	Changes in potential seed longevity and seedling growth during seed development and maturation in marrow. *Seed Science Research*, **1993**, 3, 247-257	1.3	32
107	Nitrogen fertilizer and seed rate effects on Hagberg falling number of hybrid wheats and their parents are associated with □amylase activity, grain cavity size and dormancy. *Journal of the Science of Food and Agriculture*, **2005**, 85, 727-742	4.3	31
106	Effects of Temperature, Photoperiod and Seed Vernalization on Flowering in Faba Bean Vicia faba. *Annals of Botany*, **1988**, 61, 17-27	4.1	31
105	Seed storage behaviour of Fagus sylvatica and Fagus crenata. *Seed Science Research*, **2002**, 12, 31-37	1.3	30
104	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. *Plant, Cell and Environment*, **1995**, 18, 1055-1063	8.4	30
103	Longevity of pearl millet (Pennisetum glaucum) seeds harvested at different stages of maturity. *Annals of Applied Biology*, **1991**, 119, 97-103	2.6	30
102	Effects of Photoperiod, Temperature and Asynchrony between Thermoperiod and Photoperiod on Development to Panicle Initiation in Sorghum. *Annals of Botany*, **1997**, 79, 169-178	4.1	29

101	Saturated salt solutions for humidity control and the survival of dry powder and oil formulations of Beauveria bassiana conidia. *Journal of Invertebrate Pathology*, **2005**, 89, 136-43	2.6	29
100	The effects of duration of development and drying regime on the longevity of conidia of Metarhizium flavoviride. *Mycological Research*, **2000**, 104, 662-665		29
99	Variation in the durations of the photoperiod-sensitive and photoperiod-insensitive phases of development to flowering among eight maturity isolines of soyabean [Glycine max (L.) Merrill]. *Annals of Botany*, **1994**, 74, 97-101	4.1	29
98	Development of desiccation tolerance in Norway maple (Acer platanoides L.) seeds during maturation drying. *Seed Science Research*, **1992**, 2, 169-172	1.3	29
97	Moisture Content and the Longevity of Seeds of Phaseolus vulgaris. *Annals of Botany*, **1990**, 66, 341-348	4.1	29
96	The effect of temperature and CO2on seed quality development in wheat (Triticum aestivumL.). *Journal of Experimental Botany*, **1996**, 47, 631-637	7	28
95	Adaptation of Flowering in Crops to Climate. *Outlook on Agriculture*, **1993**, 22, 105-110	2.9	28
94	Seed development and maturation in early spring-flowering Galanthus nivalis and Narcissus pseudonarcissus continues post-shedding with little evidence of maturation in planta. *Annals of Botany*, **2013**, 111, 945-55	4.1	27
93	Fluctuating Temperature and the Longevity of Conidia of Metarhizium flavoviride in Storage. *Biocontrol Science and Technology*, **1999**, 9, 165-176	1.7	27
92	Development in Cowpea (Vigna unguiculata). I. The Influence of Temperature on Seed Germination and Seedling Emergence. *Experimental Agriculture*, **1996**, 32, 1-12	1.7	27
91	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. V. Chickpea (Cicer arietinum). *Experimental Agriculture*, **1994**, 30, 271-282	1.7	27
90	Wheat seed weight and quality differ temporally in sensitivity to warm or cool conditions during seed development and maturation. *Annals of Botany*, **2017**, 120, 479-493	4.1	26
89	Increases in the longevity of desiccation-phase developing rice seeds: response to high-temperature drying depends on harvest moisture content. *Annals of Botany*, **2015**, 116, 247-59	4.1	26
88	The growth, development and yield of onion (Allium cepa L.) in response to temperature and CO2. *The Journal of Horticultural Science*, **1997**, 72, 135-145		26
87	Rice seed quality development and temperature during late development and maturation. *Seed Science Research*, **2011**, 21, 95-101	1.3	25
86	Survival and Vigour of Lettuce (Lactuca sativa L.) and Sunflower (Helianthus annuus L.) Seeds Stored at Low and Very-low Moisture Contents. *Annals of Botany*, **1995**, 76, 521-534	4.1	24
85	Crop Improvement and the Accumulation and Partitioning of Biomass and Nitrogen in Lentil. *Crop Science*, **2000**, 40, 110-120	2.4	23
84	Linear Relations between Carbon Dioxide Concentration and Rate of Development Towards Flowering in Sorghum, Cowpea and Soyabean. *Annals of Botany*, **1995**, 75, 193-198	4.1	23

83	Prediction of seed longevity at sub-zero temperatures and genetic resources conservation. *Nature*, **1977**, 268, 431-433	50.4	23
82	Temporal Sensitivities of Rice Seed Development from Spikelet Fertility to Viable Mature Seed to Extreme-Temperature. *Crop Science*, **2015**, 55, 354-364	2.4	22
81	Loss and induction of conditional dormancy in seeds of Sitka spruce maintained moist at different temperatures. *Seed Science Research*, **1997**, 7, 351-358	1.3	22
80	Developmental and tillering responses of winter wheat (Triticum aestivuni) crops to CO2 and temperature. *Journal of Agricultural Science*, **1996**, 127, 23-35	1	22
79	Rates of leaf appearance and panicle development in rice (Oryza sativa L.): a comparison at three temperatures. *Agricultural and Forest Meteorology*, **1993**, 66, 129-138	5.8	22
78	The Influence of Pre and Post-storage Hydration Treatments on Chromosomal Aberrations, Seedling Abnormalities, and Viability of Lettuce Seeds. *Annals of Botany*, **1987**, 60, 97-108	4.1	22
77	Temporal patterns of seed quality development, decline, and timing of maximum quality during seed development and maturation. *Seed Science Research*, **2019**, 29, 135-142	1.3	21
76	Rice flowering in response to diurnal temperature amplitude. *Field Crops Research*, **1996**, 48, 1-9	5.5	21
75	Durations of the Photoperiod-sensitive and Photoperiod-insensitive Phases of Development to Flowering in Four Cultivars of Soyabean [Glycine max (L.) Merrill]. *Annals of Botany*, **1993**, 71, 389-394	4.1	21
74	Seed quality, cotyledon elongation at suboptimal temperatures, and the yield of onion. *Seed Science Research*, **1991**, 1, 57-67	1.3	21
73	An Investigation of the Influence of Constant and Alternating Temperature on the Germination of Cassava Seed using a Two-dimensional Temperature Gradient Plate. *Annals of Botany*, **1982**, 49, 241-246	4.1	21
72	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. III. Cowpea Vigna unguiculata. *Experimental Agriculture*, **1994**, 30, 17-29	1.7	20
71	Environmental Control of Flowering in Barley (Hordeum vulgare). III. Analysis of Potential Vernalization Responses, and Methods of Screening Germplasm for Sensitivity to Photoperiod and Temperature. *Annals of Botany*, **1989**, 63, 687-704	4.1	20
70	Flowering in Faba Bean: Genotypic Differences in Photoperiod Sensitivity, Similarities in Temperature Sensitivity, and Implications for Screening Germplasm. *Annals of Botany*, **1990**, 65, 129-138	4.1	19
69	How to store seeds to conserve biodiversity. *Nature*, **1998**, 395, 758-758	50.4	18
68	Relative humidity, temperature, and the equilibrium moisture content of conidia of Beauveria bassiana (Balsamo) Vuillemin: a quantitative approach. *Journal of Stored Products Research*, **2002**, 38, 33-41	2.5	18
67	Modelling the effects of temperature on the rates of seedling emergence and leaf appearance in legume cover crops. *Experimental Agriculture*, **1999**, 35, 327-344	1.7	18
66	THE RESPONSE OF SEEDS OF BROMUS STERILIS L. AND BROMUS MOLLIS L. TO WHITE LIGHT OF VARYING PHOTON FLUX DENSITY AND PHOTOPERIOD. *New Phytologist*, **1986**, 104, 485-496	9.8	17

65	Photothermal Time for Flowering in Lentils (Lens culinaris) and the Analysis of Potential Vernalization Responses. *Annals of Botany*, **1988**, 61, 29-39	4.1	17
64	High-temperature stress during drying improves subsequent rice (Oryza sativa L.) seed longevity. *Seed Science Research*, **2017**, 27, 281-291	1.3	16
63	A Model of the Effect of Temperature and Moisture on Pollen Longevity in Air-dry Storage Environments. *Annals of Botany*, **1999**, 83, 167-173	4.1	16
62	Development in Cowpea (Vigna unguiculata). III. Effects of Temperature and Photoperiod on Time to Flowering in Photoperiod-sensitive Genotypes and Screening for Photothermal Responses. *Experimental Agriculture*, **1996**, 32, 29-40	1.7	16
61	Towards the Reliable Prediction of Time to Flowering in Six Annual Crops. IV. Cultivated and Wild Mung Bean. *Experimental Agriculture*, **1994**, 30, 31-43	1.7	16
60	Photothermal Time for Flowering in Faba Bean (Vicia faba) and the Analysis of Potential Vernalization Responses. *Annals of Botany*, **1988**, 61, 73-82	4.1	16
59	Medium-term seed storage of 50 genera of forage legumes and evidence-based genebank monitoring intervals. *Genetic Resources and Crop Evolution*, **2018**, 65, 607-623	2	15
58	Post-abscission, pre-dispersal seeds of Digitalis purpurea remain in a developmental state that is not terminated by desiccation ex planta. *Annals of Botany*, **2009**, 103, 785-94	4.1	15
57	Development in Cowpea (Vigna unguiculata). II. Effect of Temperature and Saturation Deficit on Time to Flowering in Photoperiod-Insensitive Genotypes. *Experimental Agriculture*, **1996**, 32, 13-28	1.7	15
56	The development of seed quality in spring barley in four environments. II. Field emergence and seedling size. *Seed Science Research*, **1991**, 1, 179-185	1.3	15
55	Environmental and genetic regulation of flowering of tropical annual crops. *Euphytica*, **1997**, 96, 83-91	2.1	14
54	Escape and tolerance to high temperature at flowering in groundnut (Arachis hypogaea L.). *Journal of Agricultural Science*, **2000**, 135, 371-378	1	14
53	Quantal Response of Seed Germination inBrachiaria humidicola, Echinochloa turnerana, Eragrostis tefandPanicum maximumto Photon Dose for the Low Energy Reaction and the High Irradiance Reaction. *Journal of Experimental Botany*, **1986**, 37, 742-753	7	14
52	Effect of simulated rainfall during wheat seed development and maturation on subsequent seed longevity is reversible. *Seed Science Research*, **2016**, 26, 67-76	1.3	14
51	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. *Agricultural and Forest Meteorology*, **2020**, 284, 107898	5.8	13
50	The effect of the initial rate of drying on the subsequent ability of immature seeds of Norway maple (Acer platanoides L.) to survive rapid desiccation. *Seed Science Research*, **1997**, 7, 41-46	1.3	13
49	Mutant alleles at the rugosus loci in pea affect seed moisture sorption isotherms and the relations between seed longevity and moisture content. *Journal of Experimental Botany*, **2003**, 54, 445-50	7	13
48	Ecophysiology of seed dormancy and the control of germination in early spring-floweringGalanthus nivalisandNarcissus pseudonarcissus(Amaryllidaceae). *Botanical Journal of the Linnean Society*, **2015**, 177, 246-262	2.2	12

47	Reimposition of conditional dormancy during air-dry storage of prechilled Sitka spruce seeds. *Seed Science Research*, **1998**, 8, 113-122	1.3	10
46	Yield-density equations can be extended to quantify the effect of applied nitrogen and cultivar on wheat grain yield. *Annals of Applied Biology*, **1999**, 134, 347-352	2.6	10
45	Effects of rain shelter or simulated rain during grain filling and maturation on subsequent wheat grain quality in the UK. *Journal of Agricultural Science*, **2017**, 155, 300-316	1	9
44	Progress and Challenges in Ex Situ Conservation of Forage Germplasm: Grasses, Herbaceous Legumes and Fodder Trees. *Plants*, **2020**, 9,	4.5	9
43	An Investigation into the Possible Effects of Ripeness and Repeated Threshing on Barley Seed Longevity under Six Different Storage Environments. *Annals of Botany*, **1981**, 48, 93-96	4.1	9
42	Development of ability to germinate and of longevity in air-dry storage in wheat seed crops subjected to rain shelter or simulated supplementary rainfall. *Seed Science Research*, **2016**, 26, 332-341	1.3	9
41	Effect of simulated flooding during rice seed development and maturation on subsequent seed quality. *Seed Science Research*, **2018**, 28, 72-81	1.3	8
40	Overcoming seed dormancy in ex situ plant germplasm conservation programmes; an example in the endemic Argyranthemum (Asteraceae: Anthemideae) species from the Canary Islands. *Biodiversity and Conservation*, **1994**, 3, 341-353	3.4	8
39	Relative Importance of Air and Floodwater Temperatures on the Development of Rice (Oryza Sativa). *Experimental Agriculture*, **1995**, 31, 151-160	1.7	8
38	Seed quality in rice is most sensitive to drought and high temperature in early seed development. *Seed Science Research*, **2019**, 29, 238-249	1.3	8
37	Canopy development and tillering of field-grown crops of two contrasting cultivars of winter wheat (Triticum aestivum) in response to CO2 and temperature. *Annals of Applied Biology*, **1998**, 133, 101-109	2.6	7
36	Seed dormancy and germination of Ficus lundellii and tropical forest restoration. *Tree Physiology*, **2006**, 26, 81-5	4.2	7
35	Acclimation of photosynthesis to elevated CO2 in onion (Allium cepa) grown at a range of temperatures. *Annals of Applied Biology*, **2004**, 144, 103-111	2.6	7
34	Response of Seed Longevity to Moisture Content in Three Genotypes of Soyabean (GLYCINE MAX). *Experimental Agriculture*, **1993**, 29, 449-459	1.7	7
33	Seed quality and seedling emergence in onion (Allium cepa L.). *The Journal of Horticultural Science*, **1992**, 67, 319-332		7
32	Medium-term seed storage of diverse genera of forage grasses, evidence-based genebank monitoring intervals, and regeneration standards. *Genetic Resources and Crop Evolution*, **2019**, 66, 723-734	2	6
31	Temporal patterns of seed germination in early spring-flowering temperate woodland geophytes are modified by warming. *Annals of Botany*, **2020**, 125, 1013-1023	4.1	6
30	Seed Development, Maturation and Storage Behaviour of Mimusops elengi L.. *New Forests*, **2006**, 32, 9-19	2.6	6

29	Response of Seed Germination in Three Genera of Compositae to White Light of Varying Photon Flux Density and Photoperiod. *Journal of Experimental Botany*, **1989**, 40, 13-22	7	6
28	Collection, Consumption, and Sale of Lusala (Dioscorea hirtiflora) Wild Yam By Rural Households in Southern Province, Zambia. *Economic Botany*, **2019**, 73, 47-63	1.7	5
27	Prediction of cottonseed longevity. *Pesquisa Agropecuaria Brasileira*, **2006**, 41, 1435-1441	1.8	5
26	Differences in the Effects of Temperature and Photoperiod on Progress to Flowering among Diverse Mucuna spp.. *Journal of Agronomy and Crop Science*, **1999**, 182, 249-258	3.9	5
25	Germination of Stored Cassava Seed at Constant and Alternating Temperatures. *Annals of Botany*, **1979**, 44, 677-684	4.1	5
24	Developmental Implications of Photoperiod Sensitivity in Soybean (Glycine max [L.] Merr.). *International Journal of Plant Sciences*, **1997**, 158, 142-151	2.6	5
23	CGIAR genebank viability data reveal inconsistencies in seed collection management. *Global Food Security*, **2021**, 30, 100557	8.3	5
22	Seed survival in Chilean Nothofagus in response to desiccation and storage. *Seed Science Research*, **2005**, 15, 113-123	1.3	3
21	FLOWERING IN PIGEONPEA IN KENYA: SENSITIVITY TO PHOTOPERIOD AND TEMPERATURE DURING PRE-FLOWERING DEVELOPMENT. *Experimental Agriculture*, **1998**, 34, 249-258	1.7	3
20	Phenological adaptation to cropping environment. From evaluation descriptors of times to flowering to the genetic characterisation of flowering responses to photoperiod and temperature. *Euphytica*, **1996**, 92, 281-286	2.1	3
19	The germination and emergence of seeds of winter oilseed rape stored and sown in admixture with pelleted methiocarb. *Annals of Applied Biology*, **1988**, 112, 555-561	2.6	3
18	Comparison of seed desiccation sensitivity amongst Castanea sativa, Quercus ilex and Q. cerris. *Seed Science and Technology*, **2018**, 46, 233-237	0.6	2
17	Validation of a Photothermal Phenology Model for Predicting Dates of Flowering and Maturity in Legume Cover Crops using Field Observations. *Biological Agriculture and Horticulture*, **2000**, 17, 349-365	1.6	2
16	A stability analysis of time to flowering as a screen for responsiveness to temperature and photoperiod in cowpea (Vigna unguiculata). *Euphytica*, **1996**, 88, 77-84	2.1	2
15	Plant gene conservation. *Nature*, **1986**, 319, 615-615	50.4	2
14	Crop physiology and productivity in the cool season food legumes: recent advances in the measurement and prediction of photothermal effects on flowering. *Current Plant Science and Biotechnology in Agriculture*, **1994**, 755-770		2
13	Changes in agricultural climate in South-Eastern England from 1892 to 2016 and differences in cereal and permanent grassland yield. *Agricultural and Forest Meteorology*, **2021**, 308-309, 108560	5.8	2
12	Reproductive development and crop adaptation. *Journal of Biological Education*, **1997**, 31, 97-105	0.9	1

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11	An evaluation of uptake and developmental impact in the semi-arid tropics of four crop production models. *Journal of Agricultural Science*, **2000**, 134, 173-180	1	1
10	Postharvest sprouting of onion bulbs grown in different temperature and C02 environments in the UK. *Journal of Horticultural Science and Biotechnology*, **1998**, 73, 750-754	1.9	1
9	Temporal Sensitivities of Rice Seed Development from Spikelet Fertility to Viable Mature Seed to Extreme-Temperature **2015**, 55, 354		1
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