Jill M Farrant

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/3089930/jill-m-farrant-publications-by-year.pdf
Version: 2024-04-28

136 papers	5,721 citations	46 h-index	71 g-index
149 ext. papers	6,643 ext. citations	4.7 avg, IF	5.72 L-index

#	Paper	IF	Citations
136	Metabolomic analysis of the roots and shoots of tomato seedlings treated with the commercial seaweed-derived biostimulant Afrikelp. *South African Journal of Botany*, **2022**, 147, 646-651	2.9	
135	Variability in Functional Traits along an Environmental Gradient in the South African Resurrection Plant Myrothamnus flabellifolia. *Plants*, **2022**, 11, 1332	4.5	0
134	Crops for dry environments. *Current Opinion in Biotechnology*, **2021**, 74, 84-91	11.4	0
133	Differences in biochemical, gas exchange and hydraulic response to water stress in desiccation tolerant and sensitive fronds of the fern Anemia caffrorum. *New Phytologist*, **2021**, 231, 1415-1430	9.8	5
132	Resurrection plants optimize photosynthesis despite very thick cell walls by means of chloroplast distribution. *Journal of Experimental Botany*, **2021**, 72, 2600-2610	7	6
131	NADES formation in vegetative desiccation tolerance: Prospects and challenges. *Advances in Botanical Research*, **2021**, 97, 225-252	2.2	4
130	What is dry? Exploring metabolism and molecular mobility at extremely low water contents. *Journal of Experimental Botany*, **2021**, 72, 1507-1510	7	5
129	Physiological characterisation of tissue differentiation in response to desiccation in the homoiochlorophyllous dicot resurrection plant Craterostigma pumilum Hochst. *Environmental and Experimental Botany*, **2021**, 192, 104650	5.9	0
128	Unexplored dimensions of variability in vegetative desiccation tolerance. *American Journal of Botany*, **2021**, 108, 346-358	2.7	8
127	The phenolic profile extracted from the desiccation-tolerant medicinal shrub Myrothamnus flabellifolia using Natural Deep Eutectic Solvents varies according to the solvation conditions. *Phytochemistry*, **2020**, 173, 112323	4	15
126	Desiccation Tolerance: Avoiding Cellular Damage During Drying and Rehydration. *Annual Review of Plant Biology*, **2020**, 71, 435-460	30.7	52
125	Intertwined signatures of desiccation and drought tolerance in grasses. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 10079-10088	11.5	20
124	Effect of Casuarina Plantations Inoculated with Arbuscular Mycorrhizal Fungi and Frankia on the Diversity of Herbaceous Vegetation in Saline Environments in Senegal. *Diversity*, **2020**, 12, 293	2.5	5
123	Field and acclimated metabolomes of a resurrection plant suggest strong environmental regulation in the extreme end of the species range. *South African Journal of Botany*, **2020**, 135, 127-136	2.9	2
122	Structural Plasticity of Intrinsically Disordered LEA Proteins from Provides Protection and. *Frontiers in Plant Science*, **2019**, 10, 1272	6.2	10
121	Metabolomic Profiling of the Desiccation-Tolerant Medicinal Shrub Indicates Phenolic Variability Across Its Natural Habitat: Implications for Tea and Cosmetics Production. *Molecules*, **2019**, 24,	4.8	11
120	Genome-level responses to the environment: plant desiccation tolerance. *Emerging Topics in Life Sciences*, **2019**, 3, 153-163	3.5	13

119	Some Nutritional and Physical Properties of Different Zambian Market Classes of Bambara Groundnut (Vigna subterranea). *Journal of Food Research*, **2019**, 9, 34	1.3	2
118	Desiccation-Driven Senescence in the Resurrection Plant (Baker) N.L. Menezes: Comparison of Anatomical, Ultrastructural, and Metabolic Responses Between Senescent and Non-Senescent Tissues. *Frontiers in Plant Science*, **2019**, 10, 1396	6.2	11
117	Metabolomics as a complement to phylogenetics for assessing intraspecific boundaries in the desiccation-tolerant medicinal shrub Myrothamnus flabellifolia (Myrothamnaceae). *Phytochemistry*, **2019**, 159, 127-136	4	13
116	A field portable method for the semi-quantitative estimation of dehydration tolerance of photosynthetic tissues across distantly related land plants. *Physiologia Plantarum*, **2019**, 167, 540-555	4.6	10
115	Chloroplast breakdown during dehydration of a homoiochlorophyllous resurrection plant proceeds via senescence-like processes. *Environmental and Experimental Botany*, **2019**, 157, 100-111	5.9	12
114	Glycerolipid analysis during desiccation and recovery of the resurrection plant Xerophyta humilis (Bak) Dur and Schinz. *Plant, Cell and Environment*, **2018**, 41, 533-547	8.4	13
113	A Footprint of Plant Desiccation Tolerance. Does It Exist?. *Molecular Plant*, **2018**, 11, 1003-1005	14.4	5
112	Plant Desiccation Tolerance: A Survival Strategy with Exceptional Prospects for Climate-Smart Agriculture **2018**, 327-354		8
111	A footprint of desiccation tolerance in the genome of Xerophyta viscosa. *Nature Plants*, **2017**, 3, 17038	11.5	80
110	Orthodox Seeds and Resurrection Plants: Two of a Kind?. *Plant Physiology*, **2017**, 175, 589-599	6.6	26
109	A Proteomic Approach to Investigate the Drought Response in the Orphan Crop Eragrostis tef. *Proteomes*, **2017**, 5,	4.6	14
108	Key genes involved in desiccation tolerance and dormancy across life forms. *Plant Science*, **2016**, 251, 162-168	5.3	24
107	Protection of the photosynthetic apparatus against dehydration stress in the resurrection plant Craterostigma pumilum. *Plant Journal*, **2016**, 87, 664-80	6.9	26
106	Extremophyte adaptations to salt and water deficit stress. *Functional Plant Biology*, **2016**, 43, v-x	2.7	6
105	Embryo cell wall properties in relation to development and desiccation in the recalcitrant-seeded Encephalartos natalensis (Zamiaceae) Dyer and Verdoorn. *Protoplasma*, **2015**, 252, 245-58	3.4	6
104	Plant signalling mechanisms in response to the environment. *Environmental and Experimental Botany*, **2015**, 114, 1-3	5.9	10
103	A molecular physiological review of vegetative desiccation tolerance in the resurrection plant Xerophyta viscosa (Baker). *Planta*, **2015**, 242, 407-26	4.7	63
102	Photoprotection conferred by changes in photosynthetic protein levels and organization during dehydration of a homoiochlorophyllous resurrection plant. *Plant Physiology*, **2015**, 167, 1554-65	6.6	35

101	Development of cycad ovules and seeds. 2. Histological and ultrastructural aspects of ontogeny of the embryo in Encephalartos natalensis (Zamiaceae). *Protoplasma*, **2014**, 251, 797-816	3.4	7
100	Structural characterization of arabinoxylans from two African plant species Eragrostis nindensis and Eragrostis tef using various mass spectrometric methods. *Rapid Communications in Mass Spectrometry*, **2014**, 28, 908-16	2.2	10
99	Arabinose-rich polymers as an evolutionary strategy to plasticize resurrection plant cell walls against desiccation. *Planta*, **2013**, 237, 739-54	4.7	98
98	A decade of plant proteomics and mass spectrometry: translation of technical advancements to food security and safety issues. *Mass Spectrometry Reviews*, **2013**, 32, 335-65	11	59
97	Distribution patterns of the metal pollutants Cd and Ni in soybean seeds. *Nuclear Instruments & Methods in Physics Research B*, **2012**, 273, 157-160	1.2	7
96	Photosynthetic limitations and volatile and non-volatile isoprenoids in the poikilochlorophyllous resurrection plant Xerophyta humilis during dehydration and rehydration. *Plant, Cell and Environment*, **2012**, 35, 2061-74	8.4	99
95	A Systems-Based Molecular Biology Analysis of Resurrection Plants for Crop and Forage Improvement in Arid Environments **2012**, 399-418		6
94	Catalase is a key enzyme in seed recovery from ageing during priming. *Plant Science*, **2011**, 181, 309-15	5.3	116
93	An ultrastructural investigation of the surface microbiota present on the leaves and reproductive structures of the resurrection plant Myrothamnus flabellifolia. *South African Journal of Botany*, **2011**, 77, 485-491	2.9	0
92	Programming desiccation-tolerance: from plants to seeds to resurrection plants. *Current Opinion in Plant Biology*, **2011**, 14, 340-5	9.9	121
91	An Overview of the Current Understanding of Desiccation Tolerance in the Vegetative Tissues of Higher Plants. *Advances in Botanical Research*, **2011**, 319-347	2.2	19
90	Differential expression of abscisic acid metabolism and signalling genes induced by seed-covering structures or hypoxia in barley (Hordeum vulgare L.) grains. *Seed Science Research*, **2010**, 20, 69-77	1.3	15
89	Preliminary characterization of floral response of Xerophyta humilis to desiccation, vernalisation, photoperiod and light intensity. *Plant Growth Regulation*, **2010**, 62, 213-216	3.2	2
88	The use of aeroponics to investigate antioxidant activity in the roots of Xerophyta viscosa. *Plant Growth Regulation*, **2010**, 62, 203-211	3.2	8
87	Seed germination and storage reserves of maize and sorghum after exposure to and recovery from pre- and post-flowering dehydration. *Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science*, **2010**, 58, 133-142		1
86	Enzymatic antioxidant defence mechanisms of maize and sorghum after exposure to and recovery from pre- and post-flowering dehydration. *Acta Agronomica Hungarica: an International Multidisciplinary Journal in Agricultural Science*, **2009**, 57, 445-459		2
85	Thermodormancy and ABA metabolism in barley grains. *Plant Signaling and Behavior*, **2009**, 4, 205-7	2.5	14
84	Leaf tensile properties of resurrection plants differ among species in their response to drying. *South African Journal of Botany*, **2009**, 75, 8-16	2.9	13

83	Desiccation tolerance in the vegetative tissues of the fern Mohria caffrorum is seasonally regulated. *Plant Journal*, **2009**, 57, 65-79	6.9	68
82	Towards a systems-based understanding of plant desiccation tolerance. *Trends in Plant Science*, **2009**, 14, 110-7	13.1	144
81	Adaptations of higher plant cell walls to water loss: drought vs desiccation. *Physiologia Plantarum*, **2008**, 134, 237-45	4.6	174
80	Chloroplast biogenesis during rehydration of the resurrection plant Xerophyta humilis: parallels to the etioplast-chloroplast transition. *Plant, Cell and Environment*, **2008**, 31, 1813-24	8.4	28
79	Protection mechanisms in the resurrection plant Xerophyta viscosa: cloning, expression, characterisation and role of XvINO1, a gene coding for a myo-inositol 1-phosphate synthase. *Functional Plant Biology*, **2008**, 35, 26-39	2.7	9
78	Expression of Xhdsi-1VOC, a novel member of the vicinal oxygen chelate (VOC) metalloenzyme superfamily, is up-regulated in leaves and roots during desiccation in the resurrection plant Xerophyta humilis (Bak) Dur and Schinz. *Journal of Experimental Botany*, **2008**, 59, 3885-901	7	18
77	A role for pectin-associated arabinans in maintaining the flexibility of the plant cell wall during water deficit stress. *Plant Signaling and Behavior*, **2008**, 3, 102-4	2.5	82
76	Corrigendum to: Protection mechanisms in the resurrection plant Xerophyta viscosa: cloning, expression, characterisation and role of XvINO1, a gene coding for a myo-inositol 1-phosphate synthase. *Functional Plant Biology*, **2008**, 35, 171	2.7	
75	Proteomic analysis of leaf proteins during dehydration of the resurrection plant Xerophyta viscosa. *Plant, Cell and Environment*, **2007**, 30, 435-46	8.4	94
74	ROS production and protein oxidation as a novel mechanism for seed dormancy alleviation. *Plant Journal*, **2007**, 50, 452-65	6.9	344
73	Evidence for the presence of photorespiration in desiccation-sensitive leaves of the C4 'resurrection' plant Sporobolus stapfianus during dehydration stress. *Journal of Experimental Botany*, **2007**, 58, 3929-39	7	18
72	An overview of the biology of the desiccation-tolerant resurrection plant Myrothamnus flabellifolia. *Annals of Botany*, **2007**, 99, 211-7	4.1	60
71	Protection mechanisms in the resurrection plant Xerophyta viscosa (Baker): both sucrose and raffinose family oligosaccharides (RFOs) accumulate in leaves in response to water deficit. *Journal of Experimental Botany*, **2007**, 58, 1947-56	7	177
70	Sucrose phosphate synthase activity and the co-ordination of carbon partitioning during sucrose and amino acid accumulation in desiccation-tolerant leaf material of the C4 resurrection plant Sporobolus stapfianus during dehydration. *Journal of Experimental Botany*, **2007**, 58, 3775-87	7	38
69	Desiccation-induced ultrastructural and biochemical changes in the leaves of the resurrection plant Myrothamnus flabellifolia. *Australian Journal of Botany*, **2007**, 55, 482	1.2	27
68	ASP53, a thermostable protein from Acacia erioloba seeds that protects target proteins against thermal denaturation. *Functional Plant Biology*, **2007**, 34, 139-149	2.7	2
67	Effects of seed storage and fire on germination in the nut-fruited Restionaceae species, Cannomois virgata. *South African Journal of Botany*, **2006**, 72, 177-180	2.9	16
66	Response of the leaf cell wall to desiccation in the resurrection plant Myrothamnus flabellifolius. *Plant Physiology*, **2006**, 141, 651-62	6.6	105

65	Drought tolerance of selected Eragrostis species correlates with leaf tensile properties. *Annals of Botany*, **2006**, 97, 985-91	4.1	70
64	The predominant polyphenol in the leaves of the resurrection plant Myrothamnus flabellifolius, 3,4,5 tri-O-galloylquinic acid, protects membranes against desiccation and free radical-induced oxidation. *Biochemical Journal*, **2005**, 385, 301-8	3.8	87
63	Retention of mobile water during dehydration in the desiccation-tolerant grass Eragrostis nindensis. *Physiologia Plantarum*, **2005**, 124, 336-342	4.6	18
62	Development of plant regeneration and transformation protocols for the desiccation-sensitive weeping lovegrass Eragrostis curvula. *Plant Cell Reports*, **2005**, 24, 335-40	5.1	10
61	The South African and Namibian populations of the resurrection plant Myrothamnus flabellifolius are genetically distinct and display variation in their galloylquinic acid composition. *Journal of Chemical Ecology*, **2005**, 31, 2823-34	2.7	29
60	The signature of seeds in resurrection plants: a molecular and physiological comparison of desiccation tolerance in seeds and vegetative tissues. *Integrative and Comparative Biology*, **2005**, 45, 771-87	2.8	114
59	Antioxidant response and photosynthetic characteristics of Xerophyta viscosa Baker and Digitaria sanguinalis L. leaves induced by high light. *Israel Journal of Plant Sciences*, **2004**, 52, 177-187	0.6	2
58	Mechanical stabilization of desiccated vegetative tissues of the resurrection grass Eragrostis nindensis: does a TIP 3;1 and/or compartmentalization of subcellular components and metabolites play a role?. *Journal of Experimental Botany*, **2004**, 55, 651-61	7	47
57	Isolation and characterisation of a novel dehydration-induced Grp94 homologue from the resurrection plant Xerophyta viscosa. *South African Journal of Botany*, **2004**, 70, 741-750	2.9	5
56	Comparison of sucrose metabolism during the rehydration of desiccation-tolerant and desiccation-sensitve leaf material of Sporobolus stapfianus. *Physiologia Plantarum*, **2004**, 122, 11-20	4.6	28
55	Desiccation tolerance and sensitivity in plants. *Physiologia Plantarum*, **2004**, 122, 1-2	4.6	7
54	Towards transcript profiling of desiccation tolerance in Xerophyta humilis: Construction of a normalized 11 k X. humilis cDNA set and microarray expression analysis of 424 cDNAs in response to dehydration. *Physiologia Plantarum*, **2004**, 122, 39-53	4.6	72
53	XvVHA-c??1a novel stress-responsive V-ATPase subunit c?? homologue isolated from the resurrection plant Xerophyta viscosa. *Physiologia Plantarum*, **2004**, 122, 54-61	4.6	14
52	Composition and desiccation-induced alterations of the cell wall in the resurrection plant Craterostigma wilmsii. *Physiologia Plantarum*, **2004**, 120, 229-239	4.6	93
51	Wheat seedlings as a model to understand desiccation tolerance and sensitivity. *Physiologia Plantarum*, **2004**, 120, 563-574	4.6	58
50	Insights into the cellular mechanisms of desiccation tolerance among angiosperm resurrection plant species. *Plant, Cell and Environment*, **2004**, 27, 1329-1340	8.4	116
49	An ultrastructural study using anhydrous fixation of Eragrostis nindensis, a resurrection grass with both desiccation-tolerant and -sensitive tissues. *Functional Plant Biology*, **2003**, 30, 281-290	2.7	31
48	An investigation into the role of light during desiccation of three angiosperm resurrection plants. *Plant, Cell and Environment*, **2003**, 26, 1275-1286	8.4	95

47	Photosynthetic genes are differentially transcribed during the dehydration-rehydration cycle in the resurrection plant, Xerophyta humilis. *Journal of Experimental Botany*, **2003**, 54, 2593-5	7	45
46	Physiological and molecular insights into drought tolerance. *African Journal of Biotechnology*, **2002**, 1, 28-38	0.6	89
45	A novel stress-inducible antioxidant enzyme identified from the resurrection plant Xerophyta viscosa Baker. *Planta*, **2002**, 215, 716-26	4.7	97
44	Seed development, morphology and quality testing in selected species of the nut-fruited Restionaceae. *South African Journal of Botany*, **2002**, 68, 226-230	2.9	5
43	Recovery of the resurrection plant Craterostigma wilmsii from desiccation: protection versus repair. *Journal of Experimental Botany*, **2002**, 53, 1805-13	7	70
42	Some physiological comparisons between the resurrection grass, Eragrostis nindensis, and the related desiccation-sensitive species, E. curvula. *Plant Growth Regulation*, **2001**, 35, 121-129	3.2	27
41	Molecular characterization of XVT8, a stress-responsive gene from the resurrection plant Xerophyta viscosa Baker. *Plant Growth Regulation*, **2001**, 35, 137-145	3.2	21
40	Longevity of dry Myrothamnus flabellifolius in simulated field conditions. *Plant Growth Regulation*, **2001**, 35, 109-120	3.2	16
39	Changes in leaf hexokinase activity and metabolite levels in response to drying in the desiccation-tolerant species Sporobolus stapfianus and Xerophyta viscosa. *Journal of Experimental Botany*, **2001**, 52, 961-9	7	94
38	Anomalous Pressure Volume Curves of Resurrection Plants Do Not Suggest Negative Turgor. *Annals of Botany*, **2001**, 88, 537-543	4.1	9
37	A comparison of mechanisms of desiccation tolerance among three angiosperm resurrection plant species. *Plant Ecology*, **2000**, 151, 29-39	1.7	192
36	An aldose reductase homolog from the resurrection plant Xerophyta viscosa Baker. *Planta*, **2000**, 211, 693-700	4.7	89
35	Isolation and Characterisation of Chloroplasts from Myrothamnus flabellifolius Welw.. *Journal of Plant Physiology*, **2000**, 156, 584-594	3.6	18
34	Les plantes reviviscentes. *Biofutur*, **2000**, 2000, 39-41		
33	Some Physiological and Molecular Insights into the Mechanisms of Desiccation Tolerance in the Resurrection Plant Xerophyta viscosa Baker **2000**, 201-222		13
32	Inclusion of polyvinylpyrrolidone in the polymerase chain reaction reverses the inhibitory effects of polyphenolic contamination of RNA. *Nucleic Acids Research*, **1999**, 27, 915-6	20.1	117
31	Cell Wall Characteristics and Structure of Hydrated and Dry leaves of the Resurrection Plant Craterostigma wilmsii, a Microscopical Study. *Journal of Plant Physiology*, **1999**, 155, 719-726	3.6	64
30	The Effect of Drying Rate on the Survival of Three Desiccation-tolerant Angiosperm Species. *Annals of Botany*, **1999**, 84, 371-379	4.1	75

29	Ultraviolet irradiation effects on serotinous shape Leucadendron laureolum seeds: altered seed physiology and ultrastructure, and seedling performance. *Plant Ecology*, **1998**, 139, 25-34	1.7	8
28	Protection mechanisms against excess light in the resurrection plants Craterostigma wilmsii and Xerophyta viscosa. *Plant Growth Regulation*, **1998**, 24, 203-210	3.2	181
27	Use of metabolic inhibitors to elucidate mechanisms of recovery from desiccation stress in the resurrection plant Xerophyta humilis. *Plant Growth Regulation*, **1998**, 24, 171-177	3.2	41
26	Ultrastructural and biophysical changes in developing embryos of Aesculus hippocastanum in relation to the acquisition of tolerance to drying. *Physiologia Plantarum*, **1998**, 104, 513-524	4.6	31
25	Xylem Hydraulic Characteristics, Water Relations and Wood Anatomy of the Resurrection PlantMyrothamnus flabellifoliusWelw.. *Annals of Botany*, **1998**, 81, 567-575	4.1	28
24	Effects of the metal pollutants cadmium and nickel on soybean seed development. *Seed Science Research*, **1998**, 8, 445-453	1.3	37
23	Reductions in abscisic acid are linked with viviparous reproduction in mangroves. *American Journal of Botany*, **1998**, 85, 760-769	2.7	30
22	The most prevalent protein in a heat-treated extract of pea (Pisum sativum) embryos is an LEA group I protein; its conformation is not affected by exposure to high temperature. *Seed Science Research*, **1997**, 7, 117-124	1.3	30
21	The recalcitrant plant species,Castanospermum australeandTrichilia dregeana, differ in their ability to produce dehydrin-related polypeptides during seed maturation and in response to ABA or water-deficit-related stresses. *Journal of Experimental Botany*, **1997**, 48, 1717-1726	7	37
20	The development of desiccation-sensitive seeds in Quercus robur L.: Reserve accumulation and plant growth regulators. *Seed Science Research*, **1997**, 7, 35-39	1.3	10
19	Subcellular organization and metabolic activity during the development of seeds that attain different levels of desiccation tolerance. *Seed Science Research*, **1997**, 7, 135-144	1.3	64
18	Differences in Rehydration of Three Desiccation-tolerant Angiosperm Species. *Annals of Botany*, **1996**, 78, 703-710	4.1	95
17	Presence of dehydrin-like proteins and levels of abscisic acid in recalcitrant (desiccation sensitive) seeds may be related to habitat. *Seed Science Research*, **1996**, 6, 175-182	1.3	53
16	Isolation and characterization of a heat-soluble protein from pea (Pisum sativum) embryos. *Seed Science Research*, **1995**, 5, 137-144	1.3	28
15	Why do stored hydrated recalcitrant seeds die?. *Seed Science Research*, **1994**, 4, 187-191	1.3	62
14	Studies on the Development of the Desiccation-sensitive (Recalcitrant) Seeds of Avicennia marina (Forssk.) Vierh.: The Acquisition of Germinability and Response to Storage and Dehydration. *Annals of Botany*, **1993**, 71, 405-410	4.1	23
13	Seed development in relation to desiccation tolerance: A comparison between desiccation-sensitive (recalcitrant) seeds of Avicennia marina and desiccation-tolerant types. *Seed Science Research*, **1993**, 3, 1-13	1.3	87
12	The role of plant growth regulators in the development and germination of the desiccation-sensitive (recalcitrant) seeds of Avicennia marina. *Seed Science Research*, **1993**, 3, 55-63	1.3	29

11	Development of the Recalcitrant (Homoiohydrous) Seeds of Avicennia marina: Anatomical, Ultrastructural and Biochemical Events Associated with Development from Histodifferentiation to Maturation. *Annals of Botany*, **1992**, 70, 75-86	4.1	59
10	Proteins in development and germination of a desiccation sensitive (recalcitrant) seed species. *Plant Growth Regulation*, **1992**, 11, 257-265	3.2	27
9	Germination-associated events and the desiccation sensitivity of recalcitrant seeds - a study on three unrelated species. *Planta*, **1989**, 178, 189-98	4.7	63
8	The Basis of Recalcitrant Seed Behaviour **1989**, 89-108		51
7	The increasing desiccation sensitivity of recalcitrant Avicennia marina seeds with storage time. *Physiologia Plantarum*, **1986**, 67, 291-298	4.6	53
6	The effect of drying rate on viability retention of recalcitrant propagules of Avicennia marina. *South African Journal of Botany*, **1985**, 51, 432-438	2.9	51
5	Recalcitrant Seeds: Short-term Storage Effects in Avicennia marina (Forsk.) Vierh. may be Germination-associated. *Annals of Botany*, **1984**, 54, 843-846	4.1	25
4	Seed Desiccation-Tolerance Mechanisms149-192		6
3	Mechanisms of Desiccation Tolerance in Angiosperm Resurrection Plants51-90		29
2	Effect of symbiotic associations with Frankia and arbuscular mycorrhizal fungi on antioxidant activity and cell ultrastructure in C. equisetifolia and C. obesa under salt stress. *Journal of Forest Research*,1-11	1.4	2
1	Intertwined signatures of desiccation and drought tolerance in grasses		5