Trevor R Hodkinson

List of Publications by Year
in descending order

121 papers	5,239 citations	101496 36 h-index	98753 67 g-index
126 all docs	126 docs citations	126 times ranked	5416 citing authors

#	Article	IF	Citations
1	Phylogenetics of global Camellia (Theaceae) based on three nuclear regions and its implications for systematics and evolutionary history. Journal of Systematics and Evolution, 2023, 61, 356-368.	1.6	12
2	First Report of the Ash Sawfly, Tomostethus nigritus, Established on Fraxinus excelsior in the Republic of Ireland. Insects, 2022, 13, 6.	1.0	0
3	Hidden Fungi: Combining Culture-Dependent and -Independent DNA Barcoding Reveals Inter-Plant Variation in Species Richness of Endophytic Root Fungi in Elymus repens. Journal of Fungi (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock	3.1	
4	Assessing Genotypic and Environmental Effects on Endophyte Communities of Fraxinus (Ash) Using Culture Dependent and Independent DNA Sequencing. Journal of Fungi (Basel, Switzerland), 2021, 7, 565.	1.5	7
5	Sphagnum moss as a novel growth medium in sustainable indoor agriculture systems. Current Opinion in Environmental Science and Health, 2021, 22, 100269.	2.1	5
6	Genome biology of the paleotetraploid perennial biomass crop Miscanthus. Nature Communications, 2020, 11, 5442.	5.8	67
7	Fungal Endophytes for Grass Based Bioremediation: An Endophytic Consortium Isolated from Agrostis stolonifera Stimulates the Growth of Festuca arundinacea in Lead Contaminated Soil. Journal of Fungi (Basel, Switzerland), 2020, 6, 254.	1.5	20
8	Global gene flow releases invasive plants from environmental constraints on genetic diversity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4218-4227.	3.3	108
9	Viola umphangensis (Violaceae), a new species from Thailand. Nordic Journal of Botany, 2020, 38, .	0.2	0
10	Phylogenetics of Taxus Using the Internal Transcribed Spacers of Nuclear Ribosomal DNA and Plastid trnL-F Regions. Horticulturae, 2020, 6, 19.	1.2	10
11	Enhancing Secondary Metabolite Production in Medicinal Plants Using Endophytic Elicitors: A Case Study ofCentella asiatica(Apiaceae) and Asiaticoside. , 2019, , 310-327.		17
12	Isolation, Diversity and Potential Use of Endophytes in the Biomass and Bioenergy Crop Miscanthus. , 2019, , 188-207.		0
13	Prospecting Crop Wild Relatives for Beneficial Endophytes. , 2019, , 390-410.		4
14	Genotyping by Sequencing and Plastome Analysis Finds High Genetic Variability and Geographical Structure in Dactylis glomerata L. in Northwest Europe Despite Lack of Ploidy Variation. Agronomy, 2019, 9, 342.	1.3	6
15	In Vitro Methods for Plantâ€“Microbe Interaction and Biocontrol Studies in European Ash (Fraxinus) Tj ETQq1 1 0.784314 rgBT /Overl		1
16	A new species of Dendrobium (Orchidaceae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 T collection . Phytotaxa, 2019, 419, 197-202.	0.1	0
17	Emerging Methods for Biological Control of Barley Diseases Including the Role of Endophytes. , 2019, , 93-119.		5
18	Endophytes for a Growing World. , 2019, , 3-22.		6

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19	Typification of names in Camellia (Theaceae), III . Phytotaxa, 2019, 415, 298-300.	0.1	3
20	Synergy between fungal endophytes improves fruit production in strawberry cultivar. Emergent Life Sciences Research, 2019, 5, 29-41.	0.0	6
21	Endophyte ecology, diversity and utilisation. Plant Ecology and Diversity, 2018, 11, 551-554.	1.0	7
22	Endophytes from the crop wild relative Hordeum secalinum L. improve agronomic traits in unstressed and salt-stressed barley. Cogent Food and Agriculture, 2018, 4, 1549195.	0.6	14
23	Typification of names in Camellia (Theaceae), II. Phytotaxa, 2018, 351, 93.	0.1	4
24	Matching source and sink: An environmentally tailored fungal endophyte consortium increases yield in three field-grown barley cultivars. Cogent Food and Agriculture, 2018, 4, 1484599.	0.6	3
25	Genomic prediction of crown rust resistance in Lolium perenne. BMC Genetics, 2018, 19, 35.	2.7	28
26	From Concept to Commerce: Developing a Successful Fungal Endophyte Inoculant for Agricultural Crops. Journal of Fungi (Basel, Switzerland), 2018, 4, 24.	1.5	62
27	Chimonocalamus auriculatus, one more new temperate woody bamboo species of the genus (Poaceae:) Tj ETQq1 1 0.784314 rgBT /Ove	0.1	2
28	Typification of names in Camellia (Theaceae), II. Phytotaxa, 2018, 351, 93.	0.1	0
29	Perceptual selection and the unconscious selection of â€˜volunteerâ€™ seedlings in clonally propagated crops: an example with African cassava (Manihot esculenta Crantz) using ethnobotany and population genetics. Genetic Resources and Crop Evolution, 2017, 64, 665-680.	0.8	3
30	Plastid genome sequencing reveals biogeographical structure and extensive population genetic variation in wild populations of Phalaris arundinacea L. in northâ€western Europe. GCB Bioenergy, 2017, 9, 46-56.	2.5	30
31	An Irish perennial ryegrass genetic resource collection clearly divides into two major gene pools. Plant Genetic Resources: Characterisation and Utilisation, 2017, 15, 269-278.	0.4	1
32	Typification of names in the genus Camellia (Theaceae). Phytotaxa, 2017, 292, 171.	0.1	11
33	Phyllanthus kaweesakii (Phyllanthaceae), a new species from Thailand. Botany, 2017, 95, 567-577.	0.5	7
34	Chimonocalamus elegans, a new temperate woody bamboo species (Poaceae: Bambusoideae) from Doi Phu Kha National Park, Thailand. Phytotaxa, 2017, 302, 97.	0.1	3
35	A fungal endophyte consortium counterbalances the negative effects of reduced nitrogen input on the yield of field-grown spring barley. Journal of Agricultural Science, 2017, 155, 1324-1331.	0.6	9
36	A seed dressing combining fungal endophyte spores and fungicides improves seedling survival and early growth in barley and oat. Symbiosis, 2017, 71, 69-76.	1.2	17

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37	New species and a reinstatement in Peperomia (Piperaceae) from Thailand. Kew Bulletin, 2017, 72, 1.	0.4	1
38	Names of Assam tea: Their priority, typification and nomenclatural notes. Taxon, 2017, 66, 1447-1455.	0.4	8
39	The diploid Festuca ovina subsp. ovina (Poaceae) confirmed cytologically for Ireland. New Journal of Botany, 2017, 7, 182-183.	0.2	1
40	Markers associated with heading and aftermath heading in perennial ryegrass full-sib families. BMC Plant Biology, 2016, 16, 160.	1.6	16
41	Taxonomic notes on the genus Piper (Piperaceae). Nordic Journal of Botany, 2016, 34, 605-618.	0.2	8
42	Origin of year-long bean (Phaseolus dumosusMacfady, Fabaceae) from reticulated hybridization events between multiplePhaseolusspecies. Annals of Botany, 2016, 118, 957-969.	1.4	23
43	A taxonomic revision of the genus Digitaria (Panicoideae: Poaceae) in mainland Southeast Asia. Phytotaxa, 2016, 246, 248.	0.1	5
44	Variation in sequences containing microsatellite motifs in the perennial biomass and forage grass, Phalaris arundinacea (Poaceae). BMC Research Notes, 2016, 9, 184.	0.6	5
45	Bleeding canker of horse chestnut (Aesculus hippocastanum) in Ireland: incidence, severity and characterization using <scp>DNA</scp> sequences and realâ€time <scp>PCR</scp>. Plant Pathology, 2016, 65, 1419-1429.	1.2	10
46	Fungal Endophytes Enhance Agronomically Important Traits in Severely Droughtâ€Stressed Barley. Journal of Agronomy and Crop Science, 2015, 201, 419-427.	1.7	29
47	Media Manipulations and the Culture of Beneficial Fungal Root Endophytes. International Journal of Biology, 2015, 7, .	0.1	24
48	Miscanthus: a case study for the utilization of natural genetic variation. Plant Genetic Resources: Characterisation and Utilisation, 2015, 13, 219-237.	0.4	37
49	Genetic diversity and floral width variation in introduced and native populations of a long-lived woody perennial. AoB PLANTS, 2015, 7, .	1.2	12
50	Profundae diversitas: the uncharted genetic diversity in a newly studied group of fungal root endophytes. Mycology, 2015, 6, 139-150.	2.0	25
51	Morphological and physiological traits for higher biomass production in perennial rhizomatous grasses grown on marginal land. GCB Bioenergy, 2015, 7, 375-385.	2.5	85
52	Persistent fungal root endophytes isolated from a wild barley species suppress seed-borne infections in a barley cultivar. BioControl, 2015, 60, 281-292.	0.9	30
53	Fungal root endophytes of a wild barley species increase yield in a nutrient-stressed barley cultivar. Symbiosis, 2015, 65, 1-7.	1.2	45
54	Genetic variation in <scp>M</scp>iscanthusÂÃ—Âgiganteus and the importance of estimating genetic distance thresholds for differentiating clones. GCB Bioenergy, 2015, 7, 386-404.	2.5	62

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55	Seasonal and genetic variations in water-soluble carbohydrates and other quality traits in ecotypes and cultivars of perennial ryegrass (Lolium perenneL.). Plant Genetic Resources: Characterisation and Utilisation, 2014, 12, 236-247.	0.4	4
56	Timing and tempo of evolutionary diversification in a biodiversity hotspot: Primulaceae on Indian Ocean islands. Journal of Biogeography, 2014, 41, 810-822.	1.4	17
57	Fungal endophytes of barley roots. Journal of Agricultural Science, 2014, 152, 602-615.	0.6	24
58	Digitaria isanensissp. nov. and a reinstated taxon ofDigitaria(Poaceae) from Thailand. Nordic Journal of Botany, 2014, 32, 811-814.	0.2	2
59	Yield increase induced by the fungal root endophyte Piriformospora indica in barley grown at low temperature is nutrient limited. Symbiosis, 2014, 62, 29-39.	1.2	66
60	Allopolyploidy, diversification, and the Miocene grassland expansion. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15149-15154.	3.3	177
61	Studies in the recent new genus record Pseudostachyum (Poaceae: Bambusoideae) from Thailand: notes on its taxonomy, distribution and habitat. Nordic Journal of Botany, 2014, 32, 51-54.	0.2	4
62	Buxus sirindhorniana sp. nov. (Buxaceae), a bicarpellate species from Thailand. Nordic Journal of Botany, 2014, 32, 452-458.	0.2	0
63	High levels of gene flow and genetic diversity in Irish populations of Salix capreaL. inferred from chloroplast and nuclear SSR markers. BMC Plant Biology, 2014, 14, 202.	1.6	56
64	Thank you for not flowering: conservation genetics and gene flow analysis of native and non-native populations of Fraxinus (Oleaceae) in Ireland. Heredity, 2014, 112, 596-606.	1.2	18
65	A new species and two new taxon records of Digitaria (Poaceae: Panicoideae) for Thailand. Phytotaxa, 2014, 161, 283.	0.1	2
66	A taxonomic revision of the genus Dimeria (Poaceae: Panicoideae) in Thailand. Phytotaxa, 2014, 186, 137.	0.1	6
67	High levels of variation in Salix lignocellulose genes revealed using poplar genomic resources. Biotechnology for Biofuels, 2013, 6, 114.	6.2	6
68	Higher level phylogenetic relationships within the bamboos (Poaceae: Bambusoideae) based on five plastid markers. Molecular Phylogenetics and Evolution, 2013, 67, 404-413.	1.2	148
69	Anatomical enablers and the evolution of C ₄ photosynthesis in grasses. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1381-1386.	3.3	239
70	Assignment testing reveals multiple introduced source populations including potential ash hybrids (Fraxinus excelsior Ã— F. angustifolia) in Ireland. European Journal of Forest Research, 2013, 132, 195-209.	1.1	8
71	Nuclear SSR Markers for Miscanthus, Saccharum, and Related Grasses (Saccharinae, Poaceae). Applications in Plant Sciences, 2013, 1, 1300042.	0.8	7
72	A taxonomic revision of <I>Germainia</I> (<I>Andropogoneae</I>:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (< 221-228.	0.1	1

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73	A taxonomic revision of the genus Eragrostis in Thailand. ScienceAsia, 2013, 39, 111.	0.2	7
74	Old Age Sex: A Parentage Study of Different Age Cohorts in a Native Veteran Pedunculate Oak (<i>Quercus Robur L.</i>) Woodland Using Microsatellite Markers. Biology and Environment, 2013, 113, 1-13.	0.2	2
75	Multi-gene Region Phylogenetic Analysis of the Grape Family (Vitaceae). Systematic Botany, 2012, 37, 941-950.	0.2	36
76	New chloroplast microsatellite markers suitable for assessing genetic diversity of Lolium perenne and other related grass species. Annals of Botany, 2012, 110, 1327-1339.	1.4	33
77	New grass phylogeny resolves deep evolutionary relationships and discovers C₄ origins. New Phytologist, 2012, 193, 304-312.	3.5	433
78	Phylogenetic inference of Badula (Primulaceae), a rare and threatened genus endemic to the Mascarene Archipelago. Botanical Journal of the Linnean Society, 2012, 169, 284-296.	0.8	14
79	Surviving in a warmer world: environmental and genetic responses. Climate Research, 2012, 53, 245-262.	0.4	48
80	Arundinella kerriiandDimeria kerrii, Two New Endemic Species from Thailand (Poaceae, Panicoideae). Novon, 2011, 21, 149-153.	0.3	1
81	Savanna biome evolution, climate change and the ecological expansion of C₄ grasses. , 2011, , 156-175.		3
82	Integrating ecology and systematics in climate change research. , 2011, , 3-43.		1
83	Molecular and Morphological Characterization of Reciprocal F₁Hybrid Ash (Fraxinus) Tj ETQq1 1 0.784314 rgBT /Over Character Inheritance. International Journal of Plant Sciences, 2011, 172, 423-433.	0.6	16
84	Marriage exchanges, seed exchanges, and the dynamics of manioc diversity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18249-18254.	3.3	85
85	Climate Change, Ecology and Systematics. , 2011, , .		22
86	Phylogenetics of Panicoideae (Poaceae) based on chloroplast and nuclear DNA sequences. Telopea, 2011, 13, 115-142.	0.4	40
87	Chloroplast DNA markers (cpSSRs, SNPs) for Miscanthus, Saccharum and related grasses (Panicoideae,) Tj ETQq1 1 0.784314 rgBT /Ov	1.0	40
88	Variation in inflorescence characters and inflorescence development in ecotypes and cultivars of Lolium perenne L.. Grass and Forage Science, 2010, 65, 398-409.	1.2	12
89	Phylogenetic analyses of plastid and nuclear DNA sequences indicate a rapid late Miocene radiation of the temperate bamboo tribe Arundinarieae (Poaceae, Bambusoideae). Plant Ecology and Diversity, 2010, 3, 109-120.	1.0	42
90	The Complete Chloroplast Genome Sequence of Perennial Ryegrass (Lolium perenne L.) Reveals Useful Polymorphisms Among European Ecotypes. , 2010, , 409-413.		1

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91	Complete Chloroplast Genome Sequence of a Major Allogamous Forage Species, Perennial Ryegrass (Lolium perenne L.). DNA Research, 2009, 16, 165-176.	1.5	72
92	Non-monophyly of the woody bamboos (Bambuseae; Poaceae): a multi-gene region phylogenetic analysis of Bambusoideae s.s.. Journal of Plant Research, 2009, 122, 95-108.	1.2	142
93	Arundinella kokutensis (Poaceae, Arundinelleae), a new species from south-eastern Thailand. Kew Bulletin, 2009, 64, 747-750.	0.4	2
94	The origins and diversification of C₄ grasses and savannaâ€adapted ungulates. Global Change Biology, 2009, 15, 2397-2417.	4.2	103
95	Phuphanochloa, a new bamboo genus (Poaceae: Bambusoideae) from Thailand. Kew Bulletin, 2008, 63, 669-673.	0.4	4
96	Large multi-gene phylogenetic trees of the grasses (Poaceae): Progress towards complete tribal and generic level sampling. Molecular Phylogenetics and Evolution, 2008, 47, 488-505.	1.2	222
97	Oligocene CO2 Decline Promoted C4 Photosynthesis in Grasses. Current Biology, 2008, 18, 37-43.	1.8	324
98	An Optimized Chloroplast DNA Extraction Protocol for Grasses (Poaceae) Proves Suitable for Whole Plastid Genome Sequencing and SNP Detection. PLoS ONE, 2008, 3, e2813.	1.1	49
99	Extremely high cytoplasmic diversity in natural and breeding populations of Lolium (Poaceae). Heredity, 2007, 99, 531-544.	1.2	40
100	DNA banking for plant breeding, biotechnology and biodiversity evaluation. Journal of Plant Research, 2007, 120, 17-29.	1.2	54
101	Large Trees, Supertrees, and Diversification of the Grass Family. Aliso, 2007, 23, 248-258.	0.4	12
102	Development and testing of novel chloroplast microsatellite markers for Lolium perenne and other grasses (Poaceae) from de novo sequencing and in silico sequences. Molecular Ecology Notes, 2006, 6, 449-452.	1.7	17
103	Plastid genome characterisation in Brassica and Brassicaceae using a new set of nine SSRs. Theoretical and Applied Genetics, 2006, 113, 1221-1231.	1.8	83
104	Phylogenetics of Papaver and Related Genera Based on DNA Sequences from ITS Nuclear Ribosomal DNA and Plastid trnL Intron and trnLâ€“F Intergenic Spacers. Annals of Botany, 2006, 98, 141-155.	1.4	64
105	Characterization and primer development for amplification of chloroplast microsatellite regions of Fraxinus excelsior. Journal of Plant Research, 2005, 118, 339-341.	1.2	18
106	Species Distinction in Irish Populations of Quercus petraea and Q. robur: Morphological versus Molecular Analyses. Annals of Botany, 2005, 96, 1237-1246.	1.4	36
107	Towards Building the Tree of Life: A Simulation Study for All Angiosperm Genera. Systematic Biology, 2005, 54, 183-196.	2.7	30
108	Characterisation of chloroplast DNA haplotypes to reveal the provenance and genetic structure of oaks in Ireland. Forest Ecology and Management, 2004, 189, 123-131.	1.4	26

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109	Assessing internal support with large phylogenetic DNA matrices. Molecular Phylogenetics and Evolution, 2003, 27, 528-539.	1.2	68
110	Phylogenetic relationships in Cyperaceae subfamily Mapanioideae inferred from pollen and plastid DNA sequence data. American Journal of Botany, 2003, 90, 1071-1086.	0.8	85
111	The use of dna sequencing (ITS and trnLâ€F), AFLP, and fluorescent in situ hybridization to study allopolyploid Miscanthus (Poaceae). American Journal of Botany, 2002, 89, 279-286.	0.8	207
112	Characterization of a Genetic Resource Collection for Miscanthus (Saccharinae, Andropogoneae,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.4	149
113	Building Supertrees: An Empirical Assessment Using the Grass Family (Poaceae). Systematic Biology, 2002, 51, 136-150.	2.7	89
114	Phylogenetics of Miscanthus , Saccharum and related genera (Saccharinae, Andropogoneae, Poaceae) based on DNA sequences from ITS nuclear ribosomal DNA and plastid trnL intron and trnL-F intergenic spacers. Journal of Plant Research, 2002, 115, 381-392.	1.2	246
115	Using AFLP markers for species differentiation and assessment of genetic variability of in vitro-cultured Papaver bracteatum (section Oxytona). In Vitro Cellular and Developmental Biology - Plant, 2002, 38, 300-307.	0.9	19
116	Nomenclature of Miscanthus xgiganteus (Poaceae). Kew Bulletin, 2001, 56, 759.	0.4	127
117	A Comparison of ITS Nuclear rDNA Sequence Data and AFLP Markers for Phylogenetic Studies in Phyllostachys (Bambusoideae, Poaceae). Journal of Plant Research, 2000, 113, 259-269.	1.2	90
118	Genome Size is Negatively Correlated with Altitude in Natural Populations ofDactylis glomerata. Annals of Botany, 1998, 82, 99-105.	1.4	81
119	Biogeography of the grasses (Poaceae): a phylogenetic approach to reveal evolutionary history in geographical space and geological time. Botanical Journal of the Linnean Society, 0, 162, 543-557.	0.8	195
120	Hybridisation, introgression and climate change: a case study of the tree genus Fraxinus (Oleaceae). , 0, , 320-342.		5
121	Long-term fluctuations in atmospheric CO2 concentration influence plant speciation rates. , 0, , 122-140.		4