

Thomas G Ranney

List of Publications by Year in descending order

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52
papers

1,002
citations

430874

18
h-index

454955

30
g-index

53
all docs

53
docs citations

53
times ranked

1235
citing authors

#	ARTICLE	IF	CITATIONS
1	An Improved Method for Using Electrolyte Leakage to Assess Membrane Competence in Plant Tissues. <i>Plant Physiology</i> , 1992, 98, 198-205.	4.8	105
2	Osmotic Adjustment and Solute Constituents in Leaves and Roots of Water-stressed Cherry (<i>Prunus</i>) Trees. <i>Journal of the American Society for Horticultural Science</i> , 1991, 116, 684-688.	1.0	103
3	In vitro Ploidy Manipulation for Crop Improvement. <i>Frontiers in Plant Science</i> , 2020, 11, 722.	3.6	65
4	Biomass yield, nitrogen response, and nutrient uptake of perennial bioenergy grasses in North Carolina. <i>Biomass and Bioenergy</i> , 2014, 63, 218-228.	5.7	59
5	Potential of ozonolysis as a pretreatment for energy grasses. <i>Bioresource Technology</i> , 2013, 148, 242-248.	9.6	41
6	Phylogenomics of polyploid <i>Fothergilla</i> (Hamamelidaceae) by RAD-tag based GBS insights into species origin and effects of software pipelines. <i>Journal of Systematics and Evolution</i> , 2015, 53, 432-447.	3.1	39
7	An optimized protocol for stepwise optimization of real-time RT-PCR analysis. <i>Horticulture Research</i> , 2021, 8, 179.	6.3	38
8	Role of Foliar Phenolics in Host Plant Resistance of <i>Malus</i> Taxa to Adult Japanese Beetles. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1998, 33, 862-865.	1.0	36
9	Heat Tolerance of Five Taxa of Birch (<i>Betula</i>): Physiological Responses to Supraoptimal Leaf Temperatures. <i>Journal of the American Society for Horticultural Science</i> , 1994, 119, 243-248.	1.0	35
10	Ploidy Levels and Genome Sizes of <i>Berberis</i> L. and <i>Mahonia</i> Nutt. Species, Hybrids, and Cultivars. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2010, 45, 1029-1033.	1.0	34
11	Nitrogen and Phosphorus Fertilizer Effects on Establishment of Giant <i>Miscanthus</i> . <i>Bioenergy Research</i> , 2015, 8, 17-27.	3.9	29
12	Reproductive Behavior of Diploid and Allotetraploid <i>Rhododendron</i> L. "Fragrant Affinity"™. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 31-34.	1.0	27
13	In Vitro Shoot Regeneration and Polyploid Induction from Leaves of <i>Hypericum</i> Species. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2009, 44, 1957-1961.	1.0	26
14	Fertility and Reproductive Pathways in Diploid and Triploid <i>Miscanthus sinensis</i> . <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011, 46, 1353-1357.	1.0	25
15	Ploidy Levels, Relative Genome Sizes, and Base Pair Composition in <i>Magnolia</i> . <i>Journal of the American Society for Horticultural Science</i> , 2010, 135, 533-547.	1.0	25
16	Hydrolysis of ozone pretreated energy grasses for optimal fermentable sugar production. <i>Bioresource Technology</i> , 2013, 148, 97-104.	9.6	23
17	Basal Salt Composition, Cytokinins, and Phenolic Binding Agents Influence In Vitro Growth and Ex Vitro Establishment of <i>Magnolia</i> "Ann"™. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2012, 47, 1625-1629.	1.0	20
18	Reproductive Behavior of Induced Allotetraploid <i>Chitalpa</i> and In Vitro Embryo Culture of Polyploid Progeny. <i>Journal of the American Society for Horticultural Science</i> , 2006, 131, 716-724.	1.0	20

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19	Influence of Induced Polyploidy on Fertility and Morphology of <i>Rudbeckia</i> Species and Hybrids. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2012, 47, 1217-1221.	1.0	19
20	Exploring variation in phyllosphere microbial communities across four hemlock species. <i>Ecosphere</i> , 2018, 9, e02524.	2.2	17
21	In Vitro Shoot Regeneration and Polyploid Induction of <i>Rhododendron</i> "Fragrantissimum Improved"™. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2010, 45, 801-804.	1.0	16
22	Evaluating Fertility of Triploid Clones of <i>Hypericum androsaemum</i> L. for Use as Non-invasive Landscape Plants. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2010, 45, 1026-1028.	1.0	16
23	Identification, Nomenclature, Genome Sizes, and Ploidy Levels of <i>Liriope</i> and <i>Ophiopogon</i> Taxa. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 145-151.	1.0	15
24	Ploidy Levels and Relative Genome Sizes of Species, Hybrids, and Cultivars of Dogwood (<i>Cornus</i> spp.). <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2013, 48, 825-830.	1.0	14
25	Cytogenetics, Ploidy, and Genome Sizes of <i>Camellia</i> and Related Genera. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2019, 54, 1124-1142.	1.0	13
26	Foliar Heat Tolerance of Three Holly Species (<i>Ilex</i> spp.): Responses of Chlorophyll Fluorescence and Leaf Gas Exchange to Supraoptimal Leaf Temperatures. <i>Journal of the American Society for Horticultural Science</i> , 1997, 122, 499-503.	1.0	13
27	Crossability, Cytogenetics, and Reproductive Pathways in <i>Rudbeckia</i> Subgenus <i>Rudbeckia</i> . <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2009, 44, 44-48.	1.0	12
28	Fertility and Inheritance of Variegated and Purple Foliage Across a Polyploid Series in <i>Hypericum androsaemum</i> L.. <i>Journal of the American Society for Horticultural Science</i> , 2006, 131, 725-730.	1.0	12
29	Heat Tolerance of Selected Species and Populations of <i>Rhododendron</i> . <i>Journal of the American Society for Horticultural Science</i> , 1995, 120, 423-428.	1.0	11
30	Comparative Flood Tolerance of Birch Rootstock. <i>Journal of the American Society for Horticultural Science</i> , 1994, 119, 43-48.	1.0	10
31	Nuclear DNA contents and ploidy levels of North American <i>Vaccinium</i> species and interspecific hybrids. <i>Scientia Horticulturae</i> , 2022, 297, 110955.	3.6	8
32	Microbiome Variation Across Two Hemlock Species With Hemlock Woolly Adelgid Infestation. <i>Frontiers in Microbiology</i> , 2020, 11, 1528.	3.5	7
33	Day/Night Temperature Affects Growth and Photosynthesis of Cultivated <i>Salvia</i> Taxa. <i>Journal of the American Society for Horticultural Science</i> , 2007, 132, 492-500.	1.0	7
34	Identification, Genome Sizes, and Ploidy of <i>Deutzia</i> . <i>Journal of the American Society for Horticultural Science</i> , 2020, 145, 88-94.	1.0	7
35	Clarifying Taxonomy and Nomenclature of <i>Fothergilla</i> (Hamamelidaceae) Cultivars and Hybrids. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 470-473.	1.0	6
36	Micropropagation and Polyploid Induction of <i>Acer platanoides</i> "Crimson Sentry". <i>Journal of Environmental Horticulture</i> , 2013, 31, 246-252.	0.5	6

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37	Variable colonization by the hemlock woolly adelgid suggests infestation is associated with hemlock host species. <i>Biological Invasions</i> , 2019, 21, 2891-2906.	2.4	5
38	Heat Tolerance of Selected Provenances of Atlantic White Cedar. <i>Journal of the American Society for Horticultural Science</i> , 1999, 124, 492-497.	1.0	5
39	Cytogenetics and Genome Size Evolution in <i>Illicium</i> L.. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 620-623.	1.0	4
40	Micropropagation of Mahonia 'Soft Caress'™. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011, 46, 1010-1014.	1.0	4
41	In Vitro Induction and Characterization of Polyploid <i>Hydrangea macrophylla</i> and <i>H. serrata</i> . <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2021, 56, 709-715.	1.0	3
42	Analysis of Pressure-volume Data Using Segmented, Nonlinear Regression Algorithms. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1992, 27, 275.	1.0	3
43	Induced Variation in Tetraploid <i>Rudbeckia subtomentosa</i> 'Henry Eilers'™ Regenerated from Gamma-irradiated Callus. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2013, 48, 831-834.	1.0	3
44	<i>Campsis tagliabuana</i> 'Chastity'™: A Highly Infertile Triploid Trumpet Vine. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2014, 49, 343-345.	1.0	3
45	Revision of <i>Fothergilla</i> (Hamamelidaceae), including resurrection of <i>F. parvifolia</i> and a new species, <i>F. milleri</i> . <i>PhytoKeys</i> , 2020, 144, 57-80.	1.0	3
46	Biomass yields, cytogenetics, fertility, and compositional analyses of novel bioenergy grass hybrids (<i>T. ETQq0 0 0 ggBT /Overlock 10 Tf</i>)	1.0	2
47	Investigating Parentage and Hybridity of Three <i>Azaleodendrons</i> Using Amplified Fragment Length Polymorphism Analysis. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2007, 42, 740-743.	1.0	2
48	Genome Sizes and Ploidy Levels in the Genus <i>Kalmia</i> . <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2015, 50, 1426-1428.	1.0	2
49	Ploidy, Relative Genome Size, and Inheritance of Spotted Foliage in <i>Aucuba</i> Species (Garryaceae). <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2018, 53, 1271-1274.	1.0	1
50	Reproductive developmental transcriptome analysis of <i>Tripidium ravennae</i> (Poaceae). <i>BMC Genomics</i> , 2021, 22, 483.	2.8	1
51	Plant Evaluation Program for Nursery Crops and Landscape Systems by the Southern Extension and Research Activities/Information Exchange Group-27. <i>HortTechnology</i> , 2001, 11, 373-375.	0.9	1
52	Growth and Survival of 'Whitespire' Japanese Birch Grafted on Rootstocks of Five Species of Birch. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 1995, 30, 521-522.	1.0	1