

# 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	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
2	Reproductive developmental transcriptome analysis of <i>Tripidium ravennae</i> (Poaceae). <i>BMC Genomics</i> , 2021, 22, 483.	2.8	1
3	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
4	An optimized protocol for stepwise optimization of real-time RT-PCR analysis. <i>Horticulture Research</i> , 2021, 8, 179.	6.3	38
5	Microbiome Variation Across Two Hemlock Species With Hemlock Woolly Adelgid Infestation. <i>Frontiers in Microbiology</i> , 2020, 11, 1528.	3.5	7
6	In vitro Ploidy Manipulation for Crop Improvement. <i>Frontiers in Plant Science</i> , 2020, 11, 722.	3.6	65
7	Biomass yields, cytogenetics, fertility, and compositional analyses of novel bioenergy grass hybrids ( <i>T. tetraploid</i> × <i>T. tetraploid</i> ). <i>Frontiers in Plant Science</i> , 2020, 11, 562.	5.6	2
8	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
9	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
10	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
11	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
12	Exploring variation in phyllosphere microbial communities across four hemlock species. <i>Ecosphere</i> , 2018, 9, e02524.	2.2	17
13	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
14	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
15	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
16	Nitrogen and Phosphorus Fertilizer Effects on Establishment of Giant Miscanthus. <i>Bioenergy Research</i> , 2015, 8, 17-27.	3.9	29
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Identification, Nomenclature, Genome Sizes, and Ploidy Levels of Liriope and Ophiopogon Taxa. Hortscience: A Publication of the American Society for Horticultural Science, 2014, 49, 145-151.	1.0	15
20	Campsis Ã—tagliabuana â€˜Chastityâ€™™: A Highly Infertile Triploid Trumpet Vine. Hortscience: A Publication of the American Society for Horticultural Science, 2014, 49, 343-345.	1.0	3
21	Hydrolysis of ozone pretreated energy grasses for optimal fermentable sugar production. Bioresource Technology, 2013, 148, 97-104.	9.6	23
22	Potential of ozonolysis as a pretreatment for energy grasses. Bioresource Technology, 2013, 148, 242-248.	9.6	41
23	Ploidy Levels and Relative Genome Sizes of Species, Hybrids, and Cultivars of Dogwood (Cornus spp.). Hortscience: A Publication of the American Society for Horticultural Science, 2013, 48, 825-830.	1.0	14
24	Induced Variation in Tetraploid Rudbeckia subtomentosa â€˜Henry Eilersâ€™™ Regenerated from Gamma-irradiated Callus. Hortscience: A Publication of the American Society for Horticultural Science, 2013, 48, 831-834.	1.0	3
25	Micropropagation and Polyploid Induction of Acer platanoides â€˜Crimson Sentry. Journal of Environmental Horticulture, 2013, 31, 246-252.	0.5	6
26	Basal Salt Composition, Cytokinins, and Phenolic Binding Agents Influence In Vitro Growth and Ex Vitro Establishment of Magnolia â€˜Annâ€™™. Hortscience: A Publication of the American Society for Horticultural Science, 2012, 47, 1625-1629.	1.0	20
27	Influence of Induced Polyploidy on Fertility and Morphology of Rudbeckia Species and Hybrids. Hortscience: A Publication of the American Society for Horticultural Science, 2012, 47, 1217-1221.	1.0	19
28	Fertility and Reproductive Pathways in Diploid and Triploid Miscanthus sinensis. Hortscience: A Publication of the American Society for Horticultural Science, 2011, 46, 1353-1357.	1.0	25
29	Micropropagation of Mahonia â€˜Soft Caressâ€™™. Hortscience: A Publication of the American Society for Horticultural Science, 2011, 46, 1010-1014.	1.0	4
30	In Vitro Shoot Regeneration and Polyploid Induction of Rhododendron â€˜Fragrantissimum Improvedâ€™™. Hortscience: A Publication of the American Society for Horticultural Science, 2010, 45, 801-804.	1.0	16
31	Evaluating Fertility of Triploid Clones of Hypericum androsaemum L. for Use as Non-invasive Landscape Plants. Hortscience: A Publication of the American Society for Horticultural Science, 2010, 45, 1026-1028.	1.0	16
32	Ploidy Levels and Genome Sizes of Berberis L. and Mahonia Nutt. Species, Hybrids, and Cultivars. Hortscience: A Publication of the American Society for Horticultural Science, 2010, 45, 1029-1033.	1.0	34
33	Ploidy Levels, Relative Genome Sizes, and Base Pair Composition in Magnolia. Journal of the American Society for Horticultural Science, 2010, 135, 533-547.	1.0	25
34	Crossability, Cytogenetics, and Reproductive Pathways in Rudbeckia Subgenus Rudbeckia. Hortscience: A Publication of the American Society for Horticultural Science, 2009, 44, 44-48.	1.0	12
35	In Vitro Shoot Regeneration and Polyploid Induction from Leaves of Hypericum Species. Hortscience: A Publication of the American Society for Horticultural Science, 2009, 44, 1957-1961.	1.0	26
36	Reproductive Behavior of Diploid and Allotetraploid Rhododendron L. â€˜Fragrant Affinityâ€™™. Hortscience: A Publication of the American Society for Horticultural Science, 2007, 42, 31-34.	1.0	27

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37	Clarifying Taxonomy and Nomenclature of Fothergilla (Hamamelidaceae) Cultivars and Hybrids. Hortscience: A Publication of the American Society for Horticultural Science, 2007, 42, 470-473.	1.0	6
38	Investigating Parentage and Hybridity of Three Azaleodendrons Using Amplified Fragment Length Polymorphism Analysis. Hortscience: A Publication of the American Society for Horticultural Science, 2007, 42, 740-743.	1.0	2
39	Day/Night Temperature Affects Growth and Photosynthesis of Cultivated Salvia Taxa. Journal of the American Society for Horticultural Science, 2007, 132, 492-500.	1.0	7
40	Reproductive Behavior of Induced Allotetraploid <i>Chitalpa</i> and In Vitro Embryo Culture of Polyploid Progeny. Journal of the American Society for Horticultural Science, 2006, 131, 716-724.	1.0	20
41	Fertility and Inheritance of Variegated and Purple Foliage Across a Polyploid Series in <i>Hypericum androsaemum</i> L.. Journal of the American Society for Horticultural Science, 2006, 131, 725-730.	1.0	12
42	Plant Evaluation Program for Nursery Crops and Landscape Systems by the Southern Extension and Research Activities/Information Exchange Group-27. HortTechnology, 2001, 11, 373-375.	0.9	1
43	Heat Tolerance of Selected Provenances of Atlantic White Cedar. Journal of the American Society for Horticultural Science, 1999, 124, 492-497.	1.0	5
44	Role of Foliar Phenolics in Host Plant Resistance of <i>Malus Taxa</i> to Adult Japanese Beetles. Hortscience: A Publication of the American Society for Horticultural Science, 1998, 33, 862-865.	1.0	36
45	Foliar Heat Tolerance of Three Holly Species ( <i>Ilex</i> spp.): Responses of Chlorophyll Fluorescence and Leaf Gas Exchange to Supraoptimal Leaf Temperatures. Journal of the American Society for Horticultural Science, 1997, 122, 499-503.	1.0	13
46	Heat Tolerance of Selected Species and Populations of <i>Rhododendron</i> . Journal of the American Society for Horticultural Science, 1995, 120, 423-428.	1.0	11
47	Growth and Survival of 'Whitespire' Japanese Birch Grafted on Rootstocks of Five Species of Birch. Hortscience: A Publication of the American Society for Horticultural Science, 1995, 30, 521-522.	1.0	1
48	Comparative Flood Tolerance of Birch Rootstock. Journal of the American Society for Horticultural Science, 1994, 119, 43-48.	1.0	10
49	Heat Tolerance of Five Taxa of Birch ( <i>Betula</i> ): Physiological Responses to Supraoptimal Leaf Temperatures. Journal of the American Society for Horticultural Science, 1994, 119, 243-248.	1.0	35
50	An Improved Method for Using Electrolyte Leakage to Assess Membrane Competence in Plant Tissues. Plant Physiology, 1992, 98, 198-205.	4.8	105
51	Analysis of Pressure-volume Data Using Segmented, Nonlinear Regression Algorithms. Hortscience: A Publication of the American Society for Horticultural Science, 1992, 27, 275.	1.0	3
52	Osmotic Adjustment and Solute Constituents in Leaves and Roots of Water-stressed Cherry ( <i>Prunus</i> ) Trees. Journal of the American Society for Horticultural Science, 1991, 116, 684-688.	1.0	103