Robert Nicholas Trigiano

List of Publications by Year
in descending order

113	1,202	430874 18	526287 27
papers	citations	h-index	g-index

114	114	114	1036
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microsatellite Markers fromPeronospora tabacina, the Cause of Blue Mold of Tobacco, Reveal Species Origin, Population Structure, and High Gene Flow. Phytopathology, 2022, 112, 422-434.	2.2	2
2	Identification of two <scp>Eleusine indica</scp> (goosegrass) biotypes of coolâ€season turfgrass resistant to dithiopyr. Pest Management Science, 2022, 78, 499-505.	3.4	1
3	First Report of Stagonosporopsis heliopsidis causing a leaf spot on Whorled Sunflower, Helianthus verticillatus, in the United States. Plant Disease, 2022, , .	1.4	2
4	Microsatellite Loci Reveal High Genetic Diversity, Mutation, and Migration Rates as Invasion Drivers of Callery Pear (Pyrus calleryana) in the Southeastern United States. Frontiers in Genetics, 2022, 13, 861398.	2.3	6
5	A genetic analysis of grey squirrel (Sciurus carolinensis) populations in Ireland. Biological Invasions, 2022, 24, 2421-2438.	2.4	2
6	Chloroplast genome of the invasive Pyrus calleryana underscores the high molecular diversity of the species. Journal of Applied Genetics, 2022, 63, 463-467.	1.9	2
7	Development and Characterization of 20 Genomic SSR Markers for Ornamental Cultivars of Weigela. Plants, 2022, 11, 1444.	3.5	4
8	Conventional Gel Electrophoresis and TaqMan Probes Enable Rapid Confirmation of Thousand Cankers Disease from Diagnostic Samples. Plant Disease, 2021, 105, 3171-3180.	1.4	6
9	Current understanding of the Poa annua life cycle. Crop Science, 2021, 61, 1527-1537.	1.8	10
10	Development and Characterization of 15 Novel Genomic SSRs for Viburnum farreri. Plants, 2021, 10, 487.	3.5	4
11	Microsatellite Loci Reveal Genetic Diversity of Asian Callery Pear (Pyrus calleryana) in the Species Native Range and in the North American Cultivars. Life, 2021, 11, 531.	2.4	6
12	Genetic diversity and gene flow amongst admixed populations of Ganoderma boninense, causal agent of basal stem rot in African oil palm (Elaeis guineensis Jacq.) in Sarawak (Malaysia), Peninsular Malaysia, and Sumatra (Indonesia). Mycologia, 2021, 113, 1-16.	1.9	7
13	Propagation Methods for the Conservation and Preservation of the Endangered Whorled Sunflower (Helianthus verticillatus). Plants, 2021, 10, 1565.	3.5	6
14	Differential expression of genes associated with nonâ€target site resistance in <scp>Poa annua</scp> with target site resistance to acetolactate synthase inhibitors. Pest Management Science, 2021, 77, 4993-5000.	3.4	9
15	â€œJumping Jackâ€ Genomic Microsatellites Underscore the Distinctiveness of Closely Related Pseudoperonospora cubensis and Pseudoperonospora humuli and Provide New Insights Into Their Evolutionary Past. Frontiers in Microbiology, 2021, 12, 686759.	3.5	3
16	Genetic diversity in North American Cercis Canadensis reveals an ancient population bottleneck that originated after the last glacial maximum. Scientific Reports, 2021, 11, 21803.	3.3	6
17	First Report of Coleosporium helianthi infecting Helianthus verticillatus (Whorled Sunflower)in the United States. Plant Disease, 2021, , .	1.4	2
18	The ancient wave of polyploidization events in flowering plants and their facilitated adaptation to environmental stress. Plant, Cell and Environment, 2020, 43, 2847-2856.	5.7	71

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19	Species diversity and phylogeography ofCornusÂkousa(Asian dogwood) captured by genomic and genic microsatellites. Ecology and Evolution, 2020, 10, 8299-8312.	1.9	3
20	Development and characterization of microsatellites from the sweetpotato weevil, Cylas formicarius elegantulus. Journal of Applied Entomology, 2020, 144, 335-340.	1.8	0
21	Habitat fragmentation influences genetic diversity and differentiation: Fineâ€scale population structure of Cercis canadensis (eastern redbud). Ecology and Evolution, 2020, 10, 3655-3670.	1.9	25
22	In Vitro Propagation of an Endangered Helianthus verticillatus by Axillary Bud Proliferation. Plants, 2020, 9, 712.	3.5	13
23	Evolution and roles of cytokinin genes in angiosperms 2: Do ancient CKXs play housekeeping roles while non-ancient CKXs play regulatory roles?. Horticulture Research, 2020, 7, 29.	6.3	32
24	Genetic Diversity and Conservation Status of Helianthus verticillatus, an Endangered Sunflower of the Southern United States. Frontiers in Genetics, 2020, 11, 410.	2.3	10
25	First Report of Chaetomium globosum Causing a Leaf Spot of Hemp (Cannabis sativa) in Tennessee. Plant Disease, 2020, 104, 1540.	1.4	3
26	First Report of a Cercospora Species Causing a Leaf Spot on the Whorled Sunflower, Helianthus verticillatus, in the United States. Plant Disease, 2020, 104, 1863-1863.	1.4	1
27	Floral Visitors to Helianthus verticillatus, a Rare Sunflower Species in the Southern United States. Hortscience: A Publication of the American Society for Hortcultural Science, 2020, 55, 1980-1986.	1.0	6
28	Complete chloroplast genome comparisons for Pityopsis (Asteraceae). PLoS ONE, 2020, 15, e0241391.	2.5	7
29	Low Genetic Diversity Suggests the Recent Introduction of Dogwood Powdery Mildew to North America. Plant Disease, 2019, 103, 2903-2912.	1.4	5
30	Taraxacum kok-saghyz (rubber dandelion) genomic microsatellite loci reveal modest genetic diversity and cross-amplify broadly to related species. Scientific Reports, 2019, 9, 1915.	3.3	17
31	Development of Genomic Resources for the Powdery Mildew, Erysiphe pulchra. Plant Disease, 2019, 103, 804-807.	1.4	7
32	Development and Characterization of Genic Microsatellites for the Ornamental Plant Green and Gold (Chrysogonum virginianum). Hortscience: A Publication of the American Society for Hortcultural Science, 2019, 54, 395-400.	1.0	5
33	First Report of Honeysuckle Leaf Blight on Amur Honeysuckle (Lonicera maackii) Caused by Insolibasidium deformans in Tennessee. Plant Disease, 2019, 103, 772.	1.4	2
34	Biochemical characterization in Norway spruce (Picea abies) of SABATH methyltransferases that methylate phytohormones. Phytochemistry, 2018, 149, 146-154.	2.9	17
35	Mycobiota associated with insect galleries in walnut with thousand cankers disease reveals a potential natural enemy against Geosmithia morbida. Fungal Biology, 2018, 122, 241-253.	2.5	21
36	First Report of Cercospora apii s. lat. Causing a Leaf Spot on Cardinal Flower (Lobelia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.4	0

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37	First Report of Powdery Mildew Caused by Golovinomyces spadiceus on Green and Gold (Chrysogonum virginianum) in the United States. Plant Disease, 2018, 102, 252-252.	1.4	2
38	Biological Characteristics and Assessment of Virulence Diversity in Pathosystems of Economically Important Biotrophic Oomycetes. Critical Reviews in Plant Sciences, 2018, 37, 439-495.	5.7	46
39	Preface to the Special Issue on Bryophytes. Critical Reviews in Plant Sciences, 2018, 37, 101-101.	5.7	0
40	Haplotyping of Cornus florida and C. kousa chloroplasts: Insights into species-level differences and patterns of plastic DNA variation in cultivars. PLoS ONE, 2018, 13, e0205407.	2.5	5
41	Population Structure and Genetic Diversity Within the Endangered Species Pityopsis ruthii (Asteraceae). Frontiers in Plant Science, 2018, 9, 943.	3.6	24
42	Introduction to the Special Issue on Bryophytes. Critical Reviews in Plant Sciences, 2018, 37, 102-112.	5.7	11
43	Genotypic and phenotypic evaluation of off-type grasses in hybrid Bermudagrass [Cynodon dactylon (L.) Pers. x C. transvaalensis Burtt-Davy] putting greens using genotyping-by-sequencing and morphological characterization. Hereditas, 2018, 155, 8.	1.4	8
44	First Report of a Leaf Anthracnose on Rohdea japonica (Japanese Sacred Lily) Caused by Colletotrichum liriopes (Glomerella Species) in the United States. Plant Disease, 2018, 102, 2380-2380.	1.4	7
45	First Report of an Aerial Blight of Chrysogonum virginianum (Green and Gold) Caused by Sclerotinia sclerotiorum in the United States. Plant Disease, 2018, 102, 450.	1.4	0
46	First Report of Powdery Mildew on Rescuegrass (Bromus catharticus) Caused by Blumeria graminis in Tennessee. Plant Disease, 2018, 102, 449-449.	1.4	4
47	First Report of Powdery Mildew on Mountain Mints (Pycnanthemum spp.) Caused by Golovinomyces monardae in the United States. Plant Disease, 2018, 102, 1849.	1.4	0
48	First Report of Alternaria alternata Causing Leaf Spot on Whorled Sunflower (Helianthus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	4
49	Confirmation and Control of Annual Bluegrass Resistant to Photosystem-II-Inhibiting Herbicides. Itsrj, 2017, 13, 675.	0.3	3
50	In vitro plant regeneration from ovules of Taraxacum officinale and Taraxacum koksaghyz. African Journal of Biotechnology, 2017, 16, 1764-1775.	0.6	2
51	Confirmation of independent introductions of an exotic plant pathogen of Cornus species, Discula destructiva, on the east and west coasts of North America. PLoS ONE, 2017, 12, e0180345.	2.5	5
52	First Report of Alternaria alternata Causing Leaf Spot on Ruthâ€™s Golden Aster (Pityopsis) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.4	2
53	Current and Future Needs and Applications for Cannabis. Critical Reviews in Plant Sciences, 2016, 35, 425-426.	5.7	8
54	The Derivation of Modern Cannabis Varieties. Critical Reviews in Plant Sciences, 2016, 35, 328-348.	5.7	20

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55	Introduction to the Special Issue on Cannabis. Critical Reviews in Plant Sciences, 2016, 35, 289-292.	5.7	7
56	The genetic and phenotypic variability of interspecific hybrid bermudagrasses (Cynodon dactylon (L.)) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.2	18
57	Genetic structure and postâ€glacial expansion of Cornus florida L. (Cornaceae): integrative evidence from phylogeography, population demographic history, and species distribution modeling. Journal of Systematics and Evolution, 2016, 54, 136-151.	3.1	20
58	First Report of Powdery Mildew on Whorled Sunflower (Helianthus verticillatus) Caused by Golovinomyces ambrosiae. Plant Disease, 2016, 100, 1017.	1.4	13
59	First Report of Powdery Mildew on Henbit (Lamium amplexicaule) and Dead-Nettle (L.) Tj ETQq1 1 0.784314 rgBT /Over Disease, 2016, 100, 2332-2332.	1.4	0
60	Inheritance and allelism of morphological traits in eastern redbud (Cercis canadensis L.). Horticulture Research, 2015, 2, 15049.	6.3	18
61	Development of microsatellite loci in Pityophthorus juglandis, a vector of thousand cankers disease in Juglans spp.. Conservation Genetics Resources, 2015, 7, 431-433.	0.8	4
62	Development of microsatellites from Fothergilla Ã—intermedia (Hamamelidaceae) and cross transfer to four other genera within Hamamelidaceae. Applications in Plant Sciences, 2015, 3, 1400123.	2.1	7
63	Analysis of Genetic Diversity and Population Structure for the Native Tree Viburnum rufidulum Occurring in Kentucky and Tennessee. Journal of the American Society for Horticultural Science, 2015, 140, 523-531.	1.0	6
64	Development of microsatellites from Cornus mas L. (Cornaceae) and characterization of genetic diversity of cornelian cherries from China, central Europe, and the United States. Scientia Horticulturae, 2014, 179, 314-320.	3.6	5
65	Characterization of 12 polymorphic microsatellite loci of Pityopsis graminifolia var. latifolia. Conservation Genetics Resources, 2014, 6, 1043-1045.	0.8	4
66	Three New Cultivars of Cornus kousa: Empire, Pamâ€™s Mountain Bouquet, and Red Steeple. Hortscience: A Publication of the American Society for Hortcultural Science, 2014, 49, 1230-1233.	1.0	2
67	First Report of Aerial Blight of Ruth's Golden Aster (Pityopsis ruthii) Caused by Rhizoctonia solani in the United States. Plant Disease, 2014, 98, 855-855.	1.4	3
68	Isolation and characterization of microsatellite loci for Cornus sanguinea (Cornaceae). Applications in Plant Sciences, 2013, 1, 1300012.	2.1	4
69	Analyzing Microsatellites Using the QIAxcel System. Methods in Molecular Biology, 2013, 1006, 223-243.	0.9	16
70	Genetic diversity of flowering dogwood in the Great Smoky Mountains National Park. Tree Genetics and Genomes, 2012, 8, 855-871.	1.6	18
71	Molecular Identification of Synanthedonini Members (Lepidoptera: Sesiidae) using Cytochrome Oxidase I. Annals of the Entomological Society of America, 2012, 105, 520-528.	2.5	5
72	Ten polymorphic microsatellite loci identified from a small insert genomic library forPeronospora tabacina. Mycologia, 2012, 104, 633-640.	1.9	12

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73	Development and characterization of sixteen microsatellite loci for Geosmithia morbida, the causal agent of thousand canker disease in black walnut (Juglans nigra). Conservation Genetics Resources, 2012, 4, 287-289.	0.8	14
74	Simple Sequence Repeat Markers from Cercis canadensis Show Wide Cross-species Transfer and Use in Genetic Studies. Journal of the American Society for Horticultural Science, 2012, 137, 189-201.	1.0	8
75	Quantitative trait loci associated with red foliage in Cornus florida L.. Molecular Breeding, 2011, 27, 409-416.	2.1	9
76	Shoot organogenesis and plant regeneration in Pityopsis ruthii. Plant Cell, Tissue and Organ Culture, 2011, 106, 513-516.	2.3	19
77	Development and characterization of microsatellites for switchgrass rust fungus (Puccinia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.8	5
78	Screening and Characterization of 11 Novel Microsatellite Markers from Viburnum dilatatum. Hortscience: A Publication of the American Society for Hortcultural Science, 2011, 46, 1456-1459.	1.0	5
79	First Report of Powdery Mildew on Ruth's Golden Aster (Pityopsis ruthii) Caused by Golovinomyces cichoracearum (Erysiphe cichoracearum). Plant Disease, 2011, 95, 879-879.	1.4	3
80	Using Simple Sequence Repeats (SSRs) to Measure Pollen Flow in a Flowering Dogwood Orchard. Journal of Environmental Horticulture, 2011, 29, 175-179.	0.5	1
81	Inheritance of red foliage in flowering dogwood (Cornus florida L.). Euphytica, 2010, 176, 99-104.	1.2	6
82	Analysis of genetic diversity in flowering dogwood natural stands using microsatellites: the effects of dogwood anthracnose. Genetica, 2010, 138, 1047-1057.	1.1	20
83	Transfer of Cornus florida and C. kousa Simple Sequence Repeats to Selected Cornus (Cornaceae) Species. Journal of the American Society for Horticultural Science, 2010, 135, 279-288.	1.0	10
84	A linkage map for flowering dogwood (Cornus florida L.) based on microsatellite markers. Euphytica, 2009, 165, 165-175.	1.2	16
85	Assessment of resistance components of bigleaf hydrangeas (Hydrangea macrophylla) toErysiphe polygoniin vitro. Canadian Journal of Plant Pathology, 2009, 31, 348-355.	1.4	9
86	Powdery Mildew of Dogwoods: Current Status and Future Prospects. Plant Disease, 2009, 93, 1084-1092.	1.4	27
87	Bright-Field and Fluorescence Microscopic Study of Development of Erysiphe polygoni in Susceptible and Resistant Bigleaf Hydrangea. Plant Disease, 2009, 93, 130-134.	1.4	9
88	Honeybee-mediated Controlled Pollinations in Cornus florida and C. kousa Intra- and Interspecific Crosses. Hortscience: A Publication of the American Society for Hortcultural Science, 2009, 44, 1527-1533.	1.0	10
89	Microsatellites from kousa dogwood (Cornus kousa). Molecular Ecology Resources, 2008, 8, 780-782.	4.8	8
90	Genetic Analysis of Fungicide-Resistant Sclerotinia homoeocarpa Isolates from Tennessee and Northern Mississippi. Plant Disease, 2008, 92, 83-90.	1.4	16

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91	Resistance of Sclerotinia homoeocarpa to Iprodione, Propiconazole, and Thiophanateâ€Methyl in Tennessee and Northern Mississippi. Crop Science, 2008, 48, 1615-1620.	1.8	27
92	Molecular Identification Keys for Cultivars and Lines of Cornus florida and C. kousa Based on Simple Sequence Repeat Loci. Journal of the American Society for Horticultural Science, 2008, 133, 783-793.	1.0	9
93	Microscopic and Macroscopic Studies of the Development of Puccinia hemerocallidis in Resistant and Susceptible Daylily Cultivars. Plant Disease, 2007, 91, 664-668.	1.4	11
94	A simple PCR procedure for discovering microsatellites from small insert libraries. Molecular Ecology Notes, 2007, 7, 558-561.	1.7	35
95	Development ofErysiphe pulchra, the causal agent of powdery mildew, on leaf disks of susceptible and resistant flowering dogwood (Cornus florida). Canadian Journal of Plant Pathology, 2006, 28, 71-76.	1.4	7
96	(290) Analysis of Genetic Diversity in Selected Cornus Species Using SSR Markers. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 1077E-1078.	1.0	2
97	(59) Encore Azalea Selections for the Mid South. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 1042C-1042.	1.0	0
98	(44) Microscopic and Macroscopic Studies on the Development of Puccinia hemerocallidis in Resistant and Susceptible Daylily Cultivars. Hortscience: A Publication of the American Society for Hortcultural Science, 2006, 41, 1054B-1054.	1.0	0
99	Axillary bud proliferation and organogenesis of Euphorbia pulchurrima winter rose. In Vitro Cellular and Developmental Biology - Plant, 2005, 41, 770-774.	2.1	10
100	Spore Germination, Infection Structure Formation, and Colony Development of Erysiphe pulchra on Dogwood Leaves and Glass Slides. Plant Disease, 2005, 89, 1301-1304.	1.4	11
101	In vitro adventitious rooting of Cornus florida microshoots. Scientia Horticulturae, 2005, 103, 381-385.	3.6	4
102	(175) In Vitro Regeneration of Cladrastis kentukea. Hortscience: A Publication of the American Society for Hortcultural Science, 2005, 40, 1052C-1052.	1.0	0
103	Patterns of evolution in Discula fungi and the origin of dogwood anthracnose in North America, studied using arbitrarily amplified and ribosomal DNA. Current Genetics, 2001, 39, 346-354.	1.7	14
104	Natural Occurrence of Microsphaera pulchra and Phyllactinia guttata on Two Cornus Species. Plant Disease, 1998, 82, 383-385.	1.4	14
105	Micropropagation of flowering dogwood (Cornus florida) from seedlings. Plant Cell Reports, 1997, 16, 485-489.	5.6	25
106	Micropropagation of flowering dogwood (Cornus florida) from seedlings. Plant Cell Reports, 1997, 16, 485-489.	5.6	0
107	Sequence signatures from DNA amplification fingerprints reveal fine population structure of the dogwood pathogenDiscula destructiva. FEMS Microbiology Letters, 1996, 145, 377-383.	1.8	21
108	DNA Amplification Fingerprinting Provides Evidence That Discula destructiva, the Cause of Dogwood Anthracnose in North America, Is an Introduced Pathogen. Mycologia, 1995, 87, 490.	1.9	32

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109	DNA amplification fingerprinting provides evidence thatDiscula destructiva, the cause of dogwood anthracnose in North America, is an introduced pathogen. Mycologia, 1995, 87, 490-500.	1.9	37
110	Somatic embryogenesis and plantlet regeneration in Cornus florida. Plant Cell Reports, 1989, 8, 270-3.	5.6	26
111	Somatic Embryo Ontogeny in Suspension Cultures of Orchardgrass. Crop Science, 1989, 29, 448.	1.8	26
112	Somatic embryogenesis from immature embryos of redbud (Cercis canadensis). Plant Cell Reports, 1988, 7, 148-150.	5.6	53
113	First report of leaf anthracnose on the Whorled Sunflower, Helianthus verticillatus, caused by Colletotrichum fioriniae in the United States. Plant Disease, 0, , .	1.4	0