

Walter R Tschinkel

List of Publications by Year in descending order

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100
papers

5,002
citations

71102

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101
times ranked

2164
citing authors

#	ARTICLE	IF	CITATIONS
1	Definition of "fairy circles" and how they differ from other common vegetation gaps and plant rings. <i>Journal of Vegetation Science</i> , 2021, 32, e13092.	2.2	15
2	Contrasting Global Patterns of Spatially Periodic Fairy Circles and Regular Insect Nests in Drylands. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 3327-3342.	3.0	19
3	Lifespan, age, size-specific mortality and dispersion of colonies of the Florida harvester ant, <i>Pogonomyrmex badius</i> . <i>Insectes Sociaux</i> , 2017, 64, 285-296.	1.2	8
4	Do Florida harvester ant colonies (<i>Pogonomyrmex badius</i>) have a nest architecture "plan"? <i>Ecology</i> , 2017, 98, 1176-1178.	3.2	0
5	Ant community and habitat limit colony establishment by the fire ant, <i>Solenopsis invicta</i> . <i>Functional Ecology</i> , 2017, 31, 955-964.	3.6	17
6	Edaphic properties enable facilitative and competitive interactions resulting in fairy circle formation. <i>Ecography</i> , 2017, 40, 1210-1220.	4.5	24
7	An illustrated guide to seeds found in nests of the Florida harvester ant, <i>Pogonomyrmex badius</i> . <i>PLoS ONE</i> , 2017, 12, e0171419.	2.5	3
8	Vertical organization of the division of labor within nests of the Florida harvester ant, <i>Pogonomyrmex badius</i> . <i>PLoS ONE</i> , 2017, 12, e0188630.	2.5	13
9	Limited flexibility and unusual longevity shape forager allocation in the Florida harvester ant (<i>Pogonomyrmex badius</i>). <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 221-235.	1.4	24
10	Experimental evidence that dispersal drives ant community assembly in human-altered ecosystems. <i>Ecology</i> , 2016, 97, 236-249.	3.2	26
11	Bioturbation by the Fungus-Gardening Ant, <i>Trachymyrmex septentrionalis</i> . <i>PLoS ONE</i> , 2016, 11, e0158920.	2.5	17
12	The Florida Harvester Ant, <i>Pogonomyrmex badius</i> , Relies on Germination to Consume Large Seeds. <i>PLoS ONE</i> , 2016, 11, e0166907.	2.5	14
13	Biomantling and Bioturbation by Colonies of the Florida Harvester Ant, <i>Pogonomyrmex badius</i> . <i>PLoS ONE</i> , 2015, 10, e0120407.	2.5	20
14	Experiments Testing the Causes of Namibian Fairy Circles. <i>PLoS ONE</i> , 2015, 10, e0140099.	2.5	28
15	The architecture of subterranean ant nests: beauty and mystery underfoot. <i>Journal of Bioeconomics</i> , 2015, 17, 271-291.	3.3	50
16	The life history and seasonal cycle of the ant, <i>Pheidole morrisi</i> Forel, as revealed by wax casting. <i>Insectes Sociaux</i> , 2015, 62, 265-280.	1.2	20
17	Respiration, worker body size, tempo and activity in whole colonies of ants. <i>Physiological Entomology</i> , 2015, 40, 149-165.	1.5	12
18	Sequential Subterranean Transport of Excavated Sand and Foraged Seeds in Nests of the Harvester Ant, <i>Pogonomyrmex badius</i> . <i>PLoS ONE</i> , 2015, 10, e0139922.	2.5	11

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19	Scientific Natural History: Telling the Epics of Nature. <i>BioScience</i> , 2014, 64, 438-443.	4.9	18
20	Nest Relocation and Excavation in the Florida Harvester Ant, <i>Pogonomyrmex badius</i> . <i>PLoS ONE</i> , 2014, 9, e112981.	2.5	23
21	Demography, demand, death, and the seasonal allocation of labor in the Florida harvester ant (<i>Pogonomyrmex badius</i>). <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 2011-2027.	1.4	59
22	Subterranean transport and deposition of quartz by ants in sandy sites relevant to age overestimation in optical luminescence dating. <i>Journal of Archaeological Science</i> , 2013, 40, 2217-2226.	2.4	59
23	Experimental evidence for weak effects of fire ants in a naturally invaded pine-savanna ecosystem in north Florida. <i>Ecological Entomology</i> , 2013, 38, 68-75.	2.2	30
24	Florida Harvester Ant Nest Architecture, Nest Relocation and Soil Carbon Dioxide Gradients. <i>PLoS ONE</i> , 2013, 8, e59911.	2.5	13
25	The Role of Habitat in the Persistence of Fire Ant Populations. <i>PLoS ONE</i> , 2013, 8, e78580.	2.5	18
26	The Morphometry of <i>Solenopsis</i> Fire Ants. <i>PLoS ONE</i> , 2013, 8, e79559.	2.5	18
27	Ant Distribution in Relation to Ground Water in North Florida Pine Flatwoods. <i>Journal of Insect Science</i> , 2012, 12, 1-20.	0.9	20
28	The Life Cycle and Life Span of Namibian Fairy Circles. <i>PLoS ONE</i> , 2012, 7, e38056.	2.5	61
29	A seasonal natural history of the ant, <i>Odontomachus brunneus</i> . <i>Insectes Sociaux</i> , 2012, 59, 45-54.	1.2	22
30	The Nest Architecture of Three Species of North Florida <i>Aphaenogaster</i> Ants. <i>Journal of Insect Science</i> , 2011, 11, 1-30.	1.5	20
31	The Organization of Foraging in the Fire Ant, <i>Solenopsis invicta</i> . <i>Journal of Insect Science</i> , 2011, 11, 1-30.	1.5	33
32	Methods for Casting Subterranean Ant Nests. <i>Journal of Insect Science</i> , 2010, 10, 1-17.	1.5	42
33	Distribution of the fungus-gardening ant (<i>Trachymyrmex septentrionalis</i>) during and after a record drought. <i>Insect Conservation and Diversity</i> , 2010, 3, 134-142.	3.0	21
34	Worker Allometry in Relation to Colony Size and Social form in the Fire Ant <i>Solenopsis invicta</i> . <i>Journal of Insect Science</i> , 2010, 10, 1-10.	1.5	13
35	The Foraging Tunnel System of the Namibian Desert Termite, <i>Baicaliotes hainesi</i> . <i>Journal of Insect Science</i> , 2010, 10, 1-17.	1.5	21
36	The Nest Architecture of the Ant <i>Odontomachus brunneus</i> . <i>Journal of Insect Science</i> , 2010, 10, 1-12.	1.5	24

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37	Ant Fat Extraction with a Soxhlet Extractor: Figure 1.. Cold Spring Harbor Protocols, 2009, 2009, pdb.prot5243.	0.3	18
38	A case study of human exacerbation of the invasive species problem: transport and establishment of polygyne fire ants in Tallahassee, Florida, USA. Biological Invasions, 2009, 11, 373-377.	2.4	26
39	The Seasonal Natural History of the Ant, <i>Dolichoderus mariae</i> , in Northern Florida. Journal of Insect Science, 2009, 9, 1-26.	1.5	32
40	Thermoregulatory brood transport in the fire ant, <i>Solenopsis invicta</i> . Insectes Sociaux, 2008, 55, 176-182.	1.2	63
41	Food limitation in the fungus-gardening ant, <i>Trachymyrmex septentrionalis</i> . Ecological Entomology, 2008, 33, 597-607.	2.2	31
42	Fire Ants, <i>Solenopsis invicta</i> , Dry and Store Insect Pieces for Later Use. Journal of Insect Science, 2008, 8, 1-8.	1.5	18
43	Experimental evidence that human impacts drive fire ant invasions and ecological change. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 20339-20343.	7.1	167
44	The adaptive nature of non-food collection for the Florida harvester ant, <i>Pogonomyrmex badius</i> . Ecological Entomology, 2007, 32, 105-112.	2.2	9
45	Energetics of newly-mated queens and colony founding in the fungus-gardening ants <i>Cyphomyrmex rimosus</i> and <i>Trachymyrmex septentrionalis</i> (Hymenoptera: Formicidae). Physiological Entomology, 2007, 32, 8-15.	1.5	28
46	Targeted Removal of Ant Colonies in Ecological Experiments, Using Hot Water. Journal of Insect Science, 2007, 7, 1-12.	1.5	17
47	Experimental evidence that the introduced fire ant, <i>Solenopsis invicta</i> , does not competitively suppress co-occurring ants in a disturbed habitat. Journal of Animal Ecology, 2006, 75, 1370-1378.	2.8	107
48	The sociometry and sociogenesis of reproduction in the Florida harvester ant, <i>Pogonomyrmex badius</i> . Journal of Insect Science, 2006, 6, 1-11.	1.5	30
49	Colony Productivity of the Fungus-Gardening Ant <i>Trachymyrmex septentrionalis</i> (Hymenoptera: Formicidae). Journal of Insect Science, 2006, 6, 1-11.	1.0	78
50	The nest architecture of the ant, <i>Camponotus socius</i> . Journal of Insect Science, 2005, 5, 9.	1.5	56
51	Object Depots in the Genus <i>Pogonomyrmex</i> : Exploring the "Who, What, When, and Where. Journal of Insect Behavior, 2005, 18, 859-879.	0.7	11
52	The nest architecture of the ant, <i>Camponotus socius</i> . Journal of Insect Science, 2005, 5, 1-18.	0.9	31
53	The nest architecture of the Florida harvester ant, <i>Pogonomyrmex badius</i> . Journal of Insect Science, 2004, 4, 21.	1.5	112
54	Nest architecture of the ant <i>Formica pallidefulva</i> : structure, costs and rules of excavation. Insectes Sociaux, 2004, 51, 30-36.	1.2	99

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55	The nest architecture of the Florida harvester ant, <i>Pogonomyrmex badius</i> . <i>Journal of Insect Science</i> , 2004, 4, 1-19.	0.9	51
56	Subterranean ant nests: trace fossils past and future?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003, 192, 321-333.	2.3	136
57	Ant community change across a ground vegetation gradient in north Florida's longleaf pine flatwoods. <i>Journal of Insect Science</i> , 2003, 3, 1-17.	0.9	33
58	Ant community change across a ground vegetation gradient in north Florida's longleaf pine flatwoods.. <i>Journal of Insect Science</i> , 2003, 3, 21.	1.5	20
59	Allometry of workers of the fire ant, <i>Solenopsis invicta</i> . <i>Journal of Insect Science</i> , 2003, 3, 2.	1.5	26
60	The Natural History of the Arboreal Ant, <i>Crematogaster ashmeadi</i> . <i>Journal of Insect Science</i> , 2002, 2, 1-15.	0.9	23
61	The natural history of the arboreal ant, <i>Crematogaster ashmeadi</i> . <i>Journal of Insect Science</i> , 2002, 2, 12.	1.5	23
62	Nest complexity, group size and brood rearing in the fire ant, <i>Solenopsis invicta</i> . <i>Insectes Sociaux</i> , 2002, 49, 158-163.	1.2	65
63	Mechanisms of population regulation in the fire ant <i>Solenopsis invicta</i> : an experimental study. <i>Journal of Animal Ecology</i> , 2001, 70, 355-369.	2.8	41
64	Sociometry and Sociogenesis of Colony-Level Attributes of the Florida Harvester Ant (Hymenoptera: Tj ETQq0 0 0 rBT /Overlock 10 Tf	2.5	77
65	Ritualized conflict in <i>Odontomachus brunneus</i> and the generation of interaction-based task allocation: a new organizational mechanism in ants. <i>Animal Behaviour</i> , 1999, 58, 965-972.	1.9	75
66	Task selection by workers of the fire ant <i>Solenopsis invicta</i> . <i>Behavioral Ecology and Sociobiology</i> , 1999, 45, 301-310.	1.4	56
67	An experimental study of colony-founding in pine saplings by queens of the arboreal ant, <i>Crematogaster ashmeadi</i> . <i>Insectes Sociaux</i> , 1999, 46, 41-44.	1.2	10
68	Sociometry and sociogenesis of colonies of the harvester ant, <i>Pogonomyrmex badius</i> : distribution of workers, brood and seeds within the nest in relation to colony size and season. <i>Ecological Entomology</i> , 1999, 24, 222-237.	2.2	83
69	Arboreal Ant Community of a Pine Forest in Northern Florida. <i>Annals of the Entomological Society of America</i> , 1999, 92, 63-70.	2.5	24
70	An experimental study of pleometrotic colony founding in the fire ant, <i>Solenopsis invicta</i> : what is the basis for association?. <i>Behavioral Ecology and Sociobiology</i> , 1998, 43, 247-257.	1.4	16
71	Sociometry and sociogenesis of colonies of the harvester ant, <i>Pogonomyrmex badius</i> : worker characteristics in relation to colony size and season. <i>Insectes Sociaux</i> , 1998, 45, 385-410.	1.2	92
72	The Reproductive Biology of Fire Ant Societies. <i>BioScience</i> , 1998, 48, 593-605.	4.9	59

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73	Settlement and distribution of colony-founding queens of the arboreal ant, <i>Crematogaster ashmeadi</i> , in a longleaf pine forest. <i>Insectes Sociaux</i> , 1997, 44, 323-336.	1.2	21
74	Mermithid Nematode Parasitism of <i>Solenopsis</i> Ants (Hymenoptera: Formicidae) of Northern Florida. <i>Annals of the Entomological Society of America</i> , 1996, 89, 231-237.	2.5	9
75	A newly-discovered mode of colony founding among fire ants. <i>Insectes Sociaux</i> , 1996, 43, 267-276.	1.2	36
76	Queen dimorphism and reproductive strategies in the fire ant <i>Solenopsis geminata</i> (Hymenoptera: Formicidae). <i>Journal of Animal Ecology</i> , 1995, 64, 473-482.	1.4	59
77	Effects of foundress number on brood raids and queen survival in the fire ant <i>Solenopsis invicta</i> . <i>Behavioral Ecology and Sociobiology</i> , 1995, 37, 233-242.	1.4	46
78	Territory Area and Colony Size in the Fire Ant <i>Solenopsis invicta</i> . <i>Journal of Animal Ecology</i> , 1995, 64, 473.	2.8	64
79	Resource allocation, brood production and cannibalism during colony founding in the fire ant, <i>Solenopsis invicta</i> . <i>Behavioral Ecology and Sociobiology</i> , 1993, 33, 209-223.	1.4	84
80	Sociometry and Sociogenesis of Colonies of the Fire Ant <i>Solenopsis Invicta</i> During One Annual Cycle. <i>Ecological Monographs</i> , 1993, 63, 425-457.	5.4	260
81	Brood Raiding in the Fire Ant, <i>Solenopsis invicta</i> (Hymenoptera: Formicidae): Laboratory and Field Observations. <i>Annals of the Entomological Society of America</i> , 1992, 85, 638-646.	2.5	65
82	Brood raiding and the population dynamics of founding and incipient colonies of the fire ant, <i>Solenopsis invicta</i> . <i>Ecological Entomology</i> , 1992, 17, 179-188.	2.2	79
83	Insect sociometry, a field in search of data. <i>Insectes Sociaux</i> , 1991, 38, 77-82.	1.2	93
84	Desiccation resistance in arboreal and terrestrial ants. <i>Physiological Entomology</i> , 1990, 15, 23-35.	1.5	136
85	Colony growth and the ontogeny of worker polymorphism in the fire ant, <i>Solenopsis invicta</i> . <i>Behavioral Ecology and Sociobiology</i> , 1988, 22, 103-115.	1.4	143
86	Social control of egg-laying rate in queens of the fire ant, <i>Solenopsis invicta</i> *. <i>Physiological Entomology</i> , 1988, 13, 327-350.	1.5	74
87	Distribution of the Fire Ants <i>Solenopsis invicta</i> and <i>S. geminata</i> (Hymenoptera: Formicidae) in Northern Florida in Relation to Habitat and Disturbance. <i>Annals of the Entomological Society of America</i> , 1988, 81, 76-81.	2.5	121
88	Efficiency of Sperm Use in Queens of the Fire Ant, <i>Solenopsis invicta</i> (Hymenoptera: Formicidae). <i>Annals of the Entomological Society of America</i> , 1988, 81, 777-781.	2.5	59
89	Fire Ant Queen Longevity and Age: Estimation by Sperm Depletion. <i>Annals of the Entomological Society of America</i> , 1987, 80, 263-266.	2.5	61
90	Foraging in <i>Solenopsis invicta</i> (Hymenoptera: Formicidae): Effects of Weather and Season. <i>Environmental Entomology</i> , 1987, 16, 802-808.	1.4	189

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91	Relationship between Ovariole Number and Spermathecal Sperm Count in Ant Queens: a New Allometry. <i>Annals of the Entomological Society of America</i> , 1987, 80, 208-211.	2.5	54
92	Seasonal life history and nest architecture of a winter-active ant, <i>Prenolepis imparis</i> . <i>Insectes Sociaux</i> , 1987, 34, 143-164.	1.2	125
93	Fire Ant Polymorphism (Hymenoptera: Formicidae): Factors Affecting Worker Size. <i>Annals of the Entomological Society of America</i> , 1985, 78, 381-386.	2.5	71
94	Fire ant polymorphism: the ergonomics of brood production. <i>Behavioral Ecology and Sociobiology</i> , 1985, 16, 323-336.	1.4	167
95	Colony founding by pleometrosis in the fire ant, <i>Solenopsis invicta</i> . <i>Behavioral Ecology and Sociobiology</i> , 1983, 12, 103-113.	1.4	143
96	Internal distribution of liquid foods in isolated workers of the fire ant, <i>Solenopsis invicta</i> . <i>Journal of Insect Physiology</i> , 1981, 27, 67-74.	2.0	25
97	Food preference in colonies of the fire ant <i>Solenopsis invicta</i> . <i>Insectes Sociaux</i> , 1981, 28, 217-222.	1.2	28
98	Queen replacement in orphaned colonies of the fire ant, <i>Solenopsis invicta</i> . <i>Behavioral Ecology and Sociobiology</i> , 1978, 3, 297-310.	1.4	57
99	Aspects of Necrophoric Behavior in the Red Imported Fire Ant, <i>Solenopsis Invicta</i> . <i>Behaviour</i> , 1976, 56, 157-178.	0.8	78
100	Oriented Mound Building in the Ant, <i>Trachymyrmex septentrionalis</i> . <i>Environmental Entomology</i> , 1974, 3, 667-673.	1.4	15