

Robert A Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,051
citations

471477

17
h-index

434170

31
g-index

38
all docs

38
docs citations

38
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of discontinuous gas exchange in insects: the chthonic hypothesis does not hold water. <i>Journal of Experimental Biology</i> , 2004, 207, 3477-3482.	1.7	94
2	BIOGEOGRAPHY AND COMMUNITY STRUCTURE OF NORTH AMERICAN SEED-HARVESTER ANTS. <i>Annual Review of Entomology</i> , 2001, 46, 1-29.	11.8	77
3	Colony founding by pleometrosis in the semiclaustral seed-harvester ant <i>Pogonomyrmex californicus</i> (Hymenoptera: Formicidae). <i>Animal Behaviour</i> , 2004, 68, 1189-1200.	1.9	66
4	Habitat segregation based on soil texture and body size in the seed-harvester ants <i>Pogonomyrmex rugosus</i> and <i>P. barbatus</i> . <i>Ecological Entomology</i> , 2000, 25, 403-412.	2.2	62
5	Soil texture as an influence on the distribution of the desert seed-harvester ants <i>Pogonomyrmex rugosus</i> and <i>Messor pergandei</i> . <i>Oecologia</i> , 1992, 89, 118-124.	2.0	59
6	DISTRIBUTION AND EVOLUTION OF GENETIC CASTE DETERMINATION IN <i>Pogonomyrmex</i> SEED-HARVESTER ANTS. <i>Ecology</i> , 2006, 87, 2171-2184.	3.2	58
7	Semi-claustral colony founding in the seed-harvester ant <i>Pogonomyrmex californicus</i> : a comparative analysis of colony founding strategies. <i>Oecologia</i> , 2002, 132, 60-67.	2.0	54
8	Natal Nest Distribution and Pleometrosis in the Desert Leaf-Cutter Ant <i>Acromyrmex Versicolor</i> (Pergande) (Hymenoptera: Formicidae). <i>Psyche: Journal of Entomology</i> , 1986, 93, 177-186.	0.9	49
9	Biogeography of mutualistic fungi cultivated by leafcutter ants. <i>Molecular Ecology</i> , 2017, 26, 6921-6937.	3.9	49
10	Effect of mating stage on water balance, cuticular hydrocarbons and metabolism in the desert harvester ant, <i>Pogonomyrmex barbatus</i> . <i>Journal of Insect Physiology</i> , 2004, 50, 943-953.	2.0	45
11	Foundress survival and brood production in the desert seed-harvester ants <i>Pogonomyrmex rugosus</i> and <i>P. barbatus</i> (Hymenoptera, Formicidae). <i>Insectes Sociaux</i> , 1998, 45, 255-266.	1.2	44
12	Water loss in desert ants: caste variation and the effect of cuticle abrasion. <i>Physiological Entomology</i> , 2000, 25, 48-53.	1.5	44
13	Biogeography and endemism of ants (Hymenoptera: Formicidae) in Baja California, Mexico: a first overview. <i>Journal of Biogeography</i> , 2002, 29, 1009-1026.	3.0	36
14	Past climate change on Sky Islands drives novelty in a core developmental gene network and its phenotype. <i>BMC Evolutionary Biology</i> , 2015, 15, 183.	3.2	36
15	Capital and income breeding and the evolution of colony founding strategies in ants. <i>Insectes Sociaux</i> , 2006, 53, 316-322.	1.2	30
16	Colony Founding Behavior of Some Desert Ants: Geographic Variation in Metrosis. <i>Psyche: Journal of Entomology</i> , 2000, 103, 95-101.	0.9	29
17	Storage Protein Content as a Functional Marker for Colony Founding Strategies: A Comparative Study within the Harvester Ant Genus <i>Pogonomyrmex</i> . <i>Physiological and Biochemical Zoology</i> , 2004, 77, 100-108.	1.5	23
18	Effect of cuticular abrasion and recovery on water loss rates in queens of the desert harvester ant <i>Messor pergandei</i> . <i>Journal of Experimental Biology</i> , 2011, 214, 3495-3506.	1.7	18

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19	The Old Ladies of the Seed Harvester ant <i>Pogonomyrmex rugosus</i> : Foraging Performed by Two Groups of Workers. <i>Journal of Insect Behavior</i> , 2009, 22, 217-226.	0.7	16
20	Differential learning and memory by co-occurring ant species. <i>Insectes Sociaux</i> , 1994, 41, 165-177.	1.2	15
21	A taxonomic revision of South American species of the seed-harvester ant genus (Hymenoptera: Formicidae). Part I. <i>Zootaxa</i> , 2015, 4029, 1.	0.5	15
22	Rediscovery of the workerless inquiline ant <i>Pogonomyrmex colei</i> and additional notes on natural history (Hymenoptera: Formicidae). <i>Insectes Sociaux</i> , 1996, 43, 69-76.	1.2	14
23	Chemical communication during foraging in the harvesting ants <i>Messor pergandei</i> and <i>Messor andrei</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2014, 200, 129-137.	1.6	14
24	The dacetine ant <i>Strumigenys arizonica</i> , an apparent obligate commensal of the fungus-growing ant <i>Trachymyrmex arizonensis</i> in southwestern North America. <i>Insectes Sociaux</i> , 2018, 65, 401-410.	1.2	13
25	Population and colony structure and morphometrics in the queen dimorphic harvester ant, <i>Pogonomyrmex pima</i> . <i>Insectes Sociaux</i> , 2007, 54, 77-86.	1.2	12
26	Independent colony founding by ergatoid queens in the ant genus <i>Pogonomyrmex</i> : queen foraging provides an alternative to dependent colony founding. <i>Insectes Sociaux</i> , 2010, 57, 169-176.	1.2	11
27	Comprehensive phylogeny of <i>Myrmecocystus</i> honey ants highlights cryptic diversity and infers evolution during aridification of the American Southwest. <i>Molecular Phylogenetics and Evolution</i> , 2021, 155, 107036.	2.7	11
28	Pygidial gland chemistry and potential alarm-recruitment function in column foraging, but not solitary, Nearctic <i>Messor</i> harvesting ants (Hymenoptera: Formicidae: Myrmicinae). <i>Journal of Insect Physiology</i> , 2013, 59, 863-869.	2.0	10
29	Distribution and Natural History of the Workerless Inquiline Ant <i>Pogonomyrmex anergismus</i> Cole (Hymenoptera: Formicidae). <i>Psyche: Journal of Entomology</i> , 1994, 101, 257-262.	0.9	9
30	Low queen mating frequency in the seed-harvester ant <i>Pogonomyrmex (Epehebomyrmex) pima</i> : implications for the evolution of polyandry. <i>Behavioral Ecology and Sociobiology</i> , 2007, 62, 229-236.	1.4	9
31	A new ant genus from southern Argentina and southern Chile, <i>Patagonomyrmex</i> (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 0,5 7	0.5	7
32	Selection against Aerial Dispersal in Ants: Two Non-Flying Queen Phenotypes in <i>Pogonomyrmex laticeps</i> . <i>PLoS ONE</i> , 2012, 7, e47727.	2.5	6
33	A taxonomic revision of the seed-harvester ant genus <i>Pogonomyrmex</i> (Hymenoptera: Formicidae) on <i>Hispaniola</i> . <i>Zootaxa</i> , 2015, 3972, 231-49.	0.5	4
34	Population and colony structure and morphometrics in the queen dimorphic little black ant, <i>Monomorium</i> sp. AZ-02, with a review of queen phenotypes in the genus <i>Monomorium</i> . <i>PLoS ONE</i> , 2017, 12, e0180595.	2.5	4
35	Desiccation limits recruitment in the pleometrotic desert seed-harvester ant <i>Veromessor pergandei</i> . <i>Ecology and Evolution</i> , 2021, 11, 294-308.	1.9	4
36	A New Species of Seed-harvester Ant, <i></i> (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 0,5 2 Tf 5	0.5	2

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37	A taxonomic revision of South American species of the seed-harvester ant genus <i>Pogonomyrmex</i> (Hymenoptera: Formicidae). Part II. <i>Zootaxa</i> , 2021, 5033, 1-230.	0.5	2