

# Rebeca B Rosengaus

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,566  
citations

236925

25  
h-index

206112

48  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1686  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intersection between parental investment, transgenerational immunity, and termite sociality in the face of disease: a theoretical approach. <i>Behavioral Ecology and Sociobiology</i> , 2022, 76, 1.	1.4	2
2	Sociality and disease: behavioral perspectives in ecological and evolutionary immunology. <i>Behavioral Ecology and Sociobiology</i> , 2022, 76, .	1.4	1
3	Who goes there? Social surveillance as a response to intergroup conflict in a primitive termite. <i>Biology Letters</i> , 2020, 16, 20200131.	2.3	11
4	Young but not defenceless: antifungal activity during embryonic development of a social insect. <i>Royal Society Open Science</i> , 2020, 7, 191418.	2.4	5
5	Transcriptomics reveals specific molecular mechanisms underlying transgenerational immunity in <i>Manduca sexta</i> . <i>Ecology and Evolution</i> , 2020, 10, 11251-11261.	1.9	6
6	Relish as a Candidate Marker for Transgenerational Immune Priming in a Dampwood Termite (Blattodea: Archeotermopsidae). <i>Insects</i> , 2020, 11, 149.	2.2	7
7	Pathogenic Dynamics During Colony Ontogeny Reinforce Potential Drivers of Termite Eusociality: Mate Assistance and Biparental Care. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	2.2	21
8	Competing Physiological Demands During Incipient Colony Foundation in a Social Insect: Consequences of Pathogenic Stress. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	19
9	Pathogen-induced maternal effects result in enhanced immune responsiveness across generations. <i>Ecology and Evolution</i> , 2017, 7, 2925-2935.	1.9	33
10	A double-edged sword? The cost of proctodeal trophallaxis in termites. <i>Insectes Sociaux</i> , 2016, 63, 135-141.	1.2	24
11	Phenoloxidase activity in the infraorder Isoptera: unraveling life-history correlates of immune investment. <i>Die Naturwissenschaften</i> , 2016, 103, 14.	1.6	7
12	Symbiont-derived $\alpha$ -1,3-glucanases in a social insect: mutualism beyond nutrition. <i>Frontiers in Microbiology</i> , 2014, 5, 607.	3.5	48
13	Nest sanitation through defecation: antifungal properties of wood cockroach feces. <i>Die Naturwissenschaften</i> , 2013, 100, 1051-1059.	1.6	22
14	Costs of pleometrosis in a polygamous termite. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20122563.	2.6	22
15	Immune-priming in ant larvae: social immunity does not undermine individual immunity. <i>Biology Letters</i> , 2013, 9, 20130563.	2.3	27
16	Invasive ants are fire ants drivers of biodiversity loss?. <i>Ecological Entomology</i> , 2013, 38, 539-539.	2.2	6
17	Population genetic structure and colony breeding system in dampwood termites ( <i>Zootermopsis</i> ) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	1.2	11
18	Mate Preference and Disease Risk in <i>Zootermopsis angusticollis</i> (Isoptera: Termopsidae). <i>Environmental Entomology</i> , 2011, 40, 1554-1565.	1.4	10

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19	Losing the battle against fungal infection: Suppression of termite immune defenses during mycosis. <i>Journal of Insect Physiology</i> , 2011, 57, 966-971.	2.0	21
20	Heterospecific pairing and hybridization between <i>Nasutitermes corniger</i> and <i>N. ephratae</i> . <i>Die Naturwissenschaften</i> , 2011, 98, 745-753.	1.6	15
21	Environmental conditions and their impact on immunocompetence and pathogen susceptibility of the Caribbean termite <i>Nasutitermes acajutlae</i> . <i>Ecological Entomology</i> , 2011, 36, 459-470.	2.2	18
22	Trophallaxis and prophyllaxis: social immunity in the carpenter ant <i>Camponotus pennsylvanicus</i> . <i>Biology Letters</i> , 2011, 7, 89-92.	2.3	102
23	Disruption of the Termite Gut Microbiota and Its Prolonged Consequences for Fitness. <i>Applied and Environmental Microbiology</i> , 2011, 77, 4303-4312.	3.1	107
24	Disease Resistance in the Drywood Termite, <i>Incisitermes schwarzi</i> : Does Nesting Ecology Affect Immunocompetence?. <i>Journal of Insect Science</i> , 2010, 10, 1-12.	1.5	13
25	Ecology, Behavior and Evolution of Disease Resistance in Termites. , 2010, , 165-191.		53
26	Targeting an antimicrobial effector function in insect immunity as a pest control strategy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12652-12657.	7.1	149
27	Immunity and reproduction during colony foundation in the dampwood termite, <i>Zootermopsis angusticollis</i> . <i>Physiological Entomology</i> , 2007, 32, 136-142.	1.5	33
28	Susceptibility and behavioral responses of the dampwood termite <i>Zootermopsis angusticollis</i> to the entomopathogenic nematode <i>Steinernema carpocapsae</i> . <i>Journal of Invertebrate Pathology</i> , 2007, 95, 17-25.	3.2	55
29	Disease prevention and resistance in social insects: modeling the survival consequences of immunity, hygienic behavior, and colony organization. <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 565-577.	1.4	65
30	Disease and colony establishment in the dampwood termite <i>Zootermopsis angusticollis</i> : survival and fitness consequences of infection in primary reproductives. <i>Insectes Sociaux</i> , 2006, 53, 204-211.	1.2	24
31	Inducible immune proteins in the dampwood termite <i>Zootermopsis angusticollis</i> . <i>Die Naturwissenschaften</i> , 2006, 94, 25-33.	1.6	46
32	Inbreeding and disease resistance in a social insect: effects of heterozygosity on immunocompetence in the termite <i>Zootermopsis angusticollis</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2633-2640.	2.6	97
33	Discovery of a Novel <i>Wolbachia</i> Supergroup in Isoptera. <i>Current Microbiology</i> , 2005, 51, 393-398.	2.2	105
34	Disease and colony foundation in the dampwood termite <i>Zootermopsis angusticollis</i> : The survival advantage of nestmate pairs. <i>Die Naturwissenschaften</i> , 2005, 92, 300-304.	1.6	25
35	Fungistatic activity of the sternal gland secretion of the dampwood termite <i>Zootermopsis angusticollis</i> . <i>Insectes Sociaux</i> , 2004, 51, 259.	1.2	60
36	Nest architecture, activity pattern, worker density and the dynamics of disease transmission in social insects. <i>Journal of Theoretical Biology</i> , 2004, 226, 45-51.	1.7	72

#	ARTICLE	IF	CITATIONS
37	Nesting ecology and cuticular microbial loads in dampwood ( <i>Zootermopsis angusticollis</i> ) and drywood termites ( <i>Incisitermes minor</i> , <i>I. schwarzi</i> , <i>Cryptotermes cavifrons</i> ). <i>Journal of Insect Science</i> , 2003, 3, 1-6.	0.9	35
38	Nesting ecology and cuticular microbial loads in dampwood ( <i>Zootermopsis angusticollis</i> ) and drywood termites ( <i>Incisitermes minor</i> , <i>I. schwarzi</i> , <i>Cryptotermes cavifrons</i> ). <i>Journal of Insect Science</i> , 2003, 3, 31.	1.5	59
39	The development of immunity in a social insect: Evidence for the group facilitation of disease resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 6838-6842.	7.1	276
40	Disease susceptibility and the adaptive nature of colony demography in the dampwood termite <i>Zootermopsis angusticollis</i> . <i>Behavioral Ecology and Sociobiology</i> , 2001, 50, 546-556.	1.4	91
41	Title is missing!. <i>Journal of Chemical Ecology</i> , 2000, 26, 21-39.	1.8	102
42	Immunity in a Social Insect. <i>Die Naturwissenschaften</i> , 1999, 86, 588-591.	1.6	79
43	Inhibitory Effect of Termite Fecal Pellets on Fungal Spore Germination. <i>Journal of Chemical Ecology</i> , 1998, 24, 1697-1706.	1.8	109
44	Disease resistance: a benefit of sociality in the dampwood termite <i>Zootermopsis angusticollis</i> (Isoptera: Termitidae). <i>Behavioral Ecology and Sociobiology</i> , 1998, 44, 125-134.	1.4	245
45	Temporal polyethism in incipient colonies of the primitive termite <i>Zootermopsis angusticollis</i> : A single multiage caste. <i>Journal of Insect Behavior</i> , 1993, 6, 237-252.	0.7	77
46	Biparental care in incipient colonies of the dampwood termite <i>Zootermopsis angusticollis</i> Hagen (Isoptera: Termitidae). <i>Journal of Insect Behavior</i> , 1991, 4, 633-647.	0.7	53
47	Social transfer, elimination, and biological half-life of gamma-emitting radionuclides in the termite <i>Reticulitermes flavipes</i> Kol. <i>Journal of Applied Entomology</i> , 1986, 101, 287-294.	1.8	8
48	Single and double isotope labeling of social insect colonies: Gamma-emitting radionuclides as individually identifiable markers. <i>Entomologia Experimentalis Et Applicata</i> , 1985, 38, 87-92.	1.4	11