Rebeca B Rosengaus

List of Publications by Year
in descending order

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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	The development of immunity in a social insect: Evidence for the group facilitation of disease resistance. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6838-6842.	7.1	276
2	Disease resistance: a benefit of sociality in the dampwood termite Zootermopsis angusticollis (Isoptera: Termopsidae). Behavioral Ecology and Sociobiology, 1998, 44, 125-134.	1.4	245
3	Targeting an antimicrobial effector function in insect immunity as a pest control strategy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 12652-12657.	7.1	149
4	Inhibitory Effect of Termite Fecal Pellets on Fungal Spore Germination. Journal of Chemical Ecology, 1998, 24, 1697-1706.	1.8	109
5	Disruption of the Termite Gut Microbiota and Its Prolonged Consequences for Fitness. Applied and Environmental Microbiology, 2011, 77, 4303-4312.	3.1	107
6	Discovery of a Novel Wolbachia Supergroup in Isoptera. Current Microbiology, 2005, 51, 393-398.	2.2	105
7	Title is missing!. Journal of Chemical Ecology, 2000, 26, 21-39.	1.8	102
8	Trophallaxis and prophylaxis: social immunity in the carpenter ant Camponotus pennsylvanicus. Biology Letters, 2011, 7, 89-92.	2.3	102
9	Inbreeding and disease resistance in a social insect: effects of heterozygosity on immunocompetence in the termite Zootermopsis angusticollis. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 2633-2640.	2.6	97
10	Disease susceptibility and the adaptive nature of colony demography in the dampwood termite Zootermopsis angusticollis. Behavioral Ecology and Sociobiology, 2001, 50, 546-556.	1.4	91
11	Immunity in a Social Insect. Die Naturwissenschaften, 1999, 86, 588-591.	1.6	79
12	Temporal polyethism in incipient colonies of the primitive termiteZootermopsis angusticollis: A single multiage caste. Journal of Insect Behavior, 1993, 6, 237-252.	0.7	77
13	Nest architecture, activity pattern, worker density and the dynamics of disease transmission in social insects. Journal of Theoretical Biology, 2004, 226, 45-51.	1.7	72
14	Disease prevention and resistance in social insects: modeling the survival consequences of immunity, hygienic behavior, and colony organization. Behavioral Ecology and Sociobiology, 2007, 61, 565-577.	1.4	65
15	Fungistatic activity of the sternal gland secretion of the dampwood termite Zootermopsis angusticollis. Insectes Sociaux, 2004, 51, 259.	1.2	60
16	Nesting ecology and cuticular microbial loads in dampwood (Zootermopsis angusticollis) and drywood termites (Incisitermes minor, I. schwarzi, Cryptotermes cavifrons). Journal of Insect Science, 2003, 3, 31.	1.5	59
17	Susceptibility and behavioral responses of the dampwood termite Zootermopsis angusticollis to the entomopathogenic nematode Steinernema carpocapsae. Journal of Invertebrate Pathology, 2007, 95, 17-25.	3.2	55
18	Biparental care in incipient colonies of the dampwood termiteZootermopsis angusticollis Hagen (Isoptera: Termopsidae). Journal of Insect Behavior, 1991, 4, 633-647.	0.7	53

#	Article	IF	Citations
19	Ecology, Behavior and Evolution of Disease Resistance in Termites. , 2010, , 165-191.		53
20	Symbiont-derived ÃŽÂ²-1,3-glucanases in a social insect: mutualism beyond nutrition. Frontiers in Microbiology, 2014, 5, 607.	3.5	48
21	Inducible immune proteins in the dampwood termite Zootermopsis angusticollis. Die Naturwissenschaften, 2006, 94, 25-33.	1.6	46
22	Nesting ecology and cuticular microbial loads in dampwood (Zootermopsis angusticollis) and drywood termites (Incisitermes minor, I. schwarzi, Cryptotermes cavifrons). Journal of Insect Science, 2003, 3, 1-6.	0.9	35
23	Immunity and reproduction during colony foundation in the dampwood termite, Zootermopsis angusticollis. Physiological Entomology, 2007, 32, 136-142.	1.5	33
24	Pathogenâ€induced maternal effects result in enhanced immune responsiveness across generations. Ecology and Evolution, 2017, 7, 2925-2935.	1.9	33
25	Immune-priming in ant larvae: social immunity does not undermine individual immunity. Biology Letters, 2013, 9, 20130563.	2.3	27
26	Disease and colony foundation in the dampwood termite Zootermopsis angusticollis: The survival advantage of nestmate pairs. Die Naturwissenschaften, 2005, 92, 300-304.	1.6	25
27	Disease and colony establishment in the dampwood termite Zootermopsis angusticollis: survival and fitness consequences of infection in primary reproductives. Insectes Sociaux, 2006, 53, 204-211.	1.2	24
28	A double-edged sword? The cost of proctodeal trophallaxis in termites. Insectes Sociaux, 2016, 63, 135-141.	1.2	24
29	Nest sanitation through defecation: antifungal properties of wood cockroach feces. Die Naturwissenschaften, 2013, 100, 1051-1059.	1.6	22
30	Costs of pleometrosis in a polygamous termite. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20122563.	2.6	22
31	Losing the battle against fungal infection: Suppression of termite immune defenses during mycosis. Journal of Insect Physiology, 2011, 57, 966-971.	2.0	21
32	Pathogenic Dynamics During Colony Ontogeny Reinforce Potential Drivers of Termite Eusociality: Mate Assistance and Biparental Care. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	21
33	Competing Physiological Demands During Incipient Colony Foundation in a Social Insect: Consequences of Pathogenic Stress. Frontiers in Ecology and Evolution, 2018, 6, .	2.2	19
34	Environmental conditions and their impact on immunocompetence and pathogen susceptibility of the Caribbean termite Nasutitermes acajutlae. Ecological Entomology, 2011, 36, 459-470.	2.2	18
35	Heterospecific pairing and hybridization between Nasutitermes corniger and N. ephratae. Die Naturwissenschaften, 2011, 98, 745-753.	1.6	15
36	Disease Resistance in the Drywood Termite,Incisitermes schwarzi: Does Nesting Ecology Affect Immunocompetence?. Journal of Insect Science, 2010, 10, 1-12.	1.5	13

#	Article	IF	Citations
37	Single and double isotope labeling of social insect colonies: Gammaâ€emitting radionuclides as individually identifiable markers. Entomologia Experimentalis Et Applicata, 1985, 38, 87-92.	1.4	11
38	Population genetic structure and colony breeding system in dampwood termites (Zootermopsis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.2	11
39	Who goes there? Social surveillance as a response to intergroup conflict in a primitive termite. Biology Letters, 2020, 16, 20200131.	2.3	11
40	Mate Preference and Disease Risk in Zootermopsis angusticollis (Isoptera: Termopsidae). Environmental Entomology, 2011, 40, 1554-1565.	1.4	10
41	Social transfer, elimination, and biological halfâ€life of gammaâ€emitting radionuclides in the termite Reticulitermes flavipes Kol. Journal of Applied Entomology, 1986, 101, 287-294.	1.8	8
42	Phenoloxidase activity in the infraorder Isoptera: unraveling life-history correlates of immune investment. Die Naturwissenschaften, 2016, 103, 14.	1.6	7
43	Relish as a Candidate Marker for Transgenerational Immune Priming in a Dampwood Termite (Blattodae: Archeotermopsidae). Insects, 2020, 11, 149.	2.2	7
44	Invasive antsâ€”are fire ants drivers of biodiversity loss?. Ecological Entomology, 2013, 38, 539-539.	2.2	6
45	Transcriptomics reveals specific molecular mechanisms underlying transgenerational immunity in Manduca sexta. Ecology and Evolution, 2020, 10, 11251-11261.	1.9	6
46	Young but not defenceless: antifungal activity during embryonic development of a social insect. Royal Society Open Science, 2020, 7, 191418.	2.4	5
47	Intersection between parental investment, transgenerational immunity, and termite sociality in the face of disease: a theoretical approach. Behavioral Ecology and Sociobiology, 2022, 76, 1.	1.4	2
48	Sociality and disease: behavioral perspectives in ecological and evolutionary immunology. Behavioral Ecology and Sociobiology, 2022, 76, .	1.4	1