Sylvia Cremer

List of Publications by Year
in descending order

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49 papers	3,318 citations	218677 26 h-index	223800 46 g-index
53 all docs	53 docs citations	53 times ranked	2431 citing authors

#	Article	IF	Citations
1	Early queen infection shapes developmental dynamics and induces longâ€term disease protection in incipient ant colonies. Ecology Letters, 2022, 25, 89-100.	6.4	10
2	Parasites and Pathogens. , 2021, , 713-723.		0
3	Social immunity modulates competition between coinfecting pathogens. Ecology Letters, 2020, 23, 565-574.	6.4	8
4	Parasites and Pathogens. , 2020, , 1-11.		0
5	Social Immunity. , 2019, , 747-755.		0
6	Social immunity in insects. Current Biology, 2019, 29, R458-R463.	3.9	49
7	Pathogens and disease defense of invasive ants. Current Opinion in Insect Science, 2019, 33, 63-68.	4.4	10
8	Ants avoid superinfections by performing risk-adjusted sanitary care. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2782-2787.	7.1	47
9	Social Immunity: Emergence and Evolution of Colony-Level Disease Protection. Annual Review of Entomology, 2018, 63, 105-123.	11.8	193
10	Social network plasticity decreases disease transmission in a eusocial insect. Science, 2018, 362, 941-945.	12.6	202
11	Protection against the lethal side effects of social immunity in ants. Current Biology, 2018, 28, R1139-R1140.	3.9	10
12	Social environment affects the transcriptomic response to bacteria in ant queens. Ecology and Evolution, 2018, 8, 11031-11070.	1.9	6
13	Destructive disinfection of infected brood prevents systemic disease spread in ant colonies. ELife, 2018, 7, .	6.0	78
14	Oxytocinâ€like signaling in ants influences metabolic gene expression and locomotor activity. FASEB Journal, 2018, 32, 6808-6821.	0.5	17
15	Ant queens increase their reproductive efforts after pathogen infection. Royal Society Open Science, 2017, 4, 170547.	2.4	21
16	Co-founding ant queens prevent disease by performing prophylactic undertaking behaviour. BMC Evolutionary Biology, 2017, 17, 219.	3.2	10
17	Opposing effects of allogrooming on disease transmission in ant societies. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140108.	4.0	43
18	Fungal disease dynamics in insect societies: Optimal killing rates and the ambivalent effect of high social interaction rates. Journal of Theoretical Biology, 2015, 372, 54-64.	1.7	5

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19	Sociality and health: impacts of sociality on disease susceptibility and transmission in animal and human societies. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140116.	4.0	169
20	Anti-pathogen protection versus survival costs mediated by an ectosymbiont in an ant host. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141976.	2.6	36
21	Increased grooming after repeated brood care provides sanitary benefits in a clonal ant. Behavioral Ecology and Sociobiology, 2014, 68, 1701-1710.	1.4	17
22	Organisational immunity in social insects. Current Opinion in Insect Science, 2014, 5, 1-15.	4.4	100
23	Individual and social immunisation in insects. Trends in Immunology, 2014, 35, 471-482.	6.8	75
24	Pupal cocoons affect sanitary brood care and limit fungal infections in ant colonies. BMC Evolutionary Biology, 2013, 13, 225.	3.2	39
25	Ants Disinfect Fungus-Exposed Brood by Oral Uptake and Spread of Their Poison. Current Biology, 2013, 23, 76-82.	3.9	160
26	Social Transfer of Pathogenic Fungus Promotes Active Immunisation in Ant Colonies. PLoS Biology, 2012, 10, e1001300.	5.6	158
27	The dynamics of male-male competition in Cardiocondyla obscurior ants. BMC Ecology, 2012, 12, 7.	3.0	3
28	Effects of social immunity and unicoloniality on hostâ€“parasite interactions in invasive insect societies. Functional Ecology, 2012, 26, 1300-1312.	3.6	28
29	Competition and Opportunity Shape the Reproductive Tactics of Males in the Ant Cardiocondyla obscurior. PLoS ONE, 2011, 6, e17323.	2.5	5
30	Social influence on age and reproduction: reduced lifespan and fecundity in multiâ€queen ant colonies. Journal of Evolutionary Biology, 2011, 24, 1455-1461.	1.7	34
31	Rapid anti-pathogen response in ant societies relies on high genetic diversity. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2821-2828.	2.6	85
32	Analogies in the evolution of individual and social immunity. Philosophical Transactions of the Royal Society B: Biological Sciences, 2009, 364, 129-142.	4.0	128
33	Imperfect chemical female mimicry in males of the ant Cardiocondyla obscurior. Die Naturwissenschaften, 2008, 95, 1101-1105.	1.6	9
34	The introduction history of invasive garden ants in Europe: Integrating genetic, chemical and behavioural approaches. BMC Biology, 2008, 6, 11.	3.8	79
35	Queen number influences the timing of the sexual production in colonies of Cardiocondyla ants. Biology Letters, 2008, 4, 670-673.	2.3	13
36	The Evolution of Invasiveness in Garden Ants. PLoS ONE, 2008, 3, e3838.	2.5	81

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37	Optimal species distinction by discriminant analysis: comparing established methods of character selection with a combination procedure using ant morphometrics as a case study. Journal of Zoological Systematics and Evolutionary Research, 2007, 45, 82-87.	1.4	10
38	Social Immunity. Current Biology, 2007, 17, R693-R702.	3.9	804
39	Social Prophylaxis: Group Interaction Promotes Collective Immunity in Ant Colonies. Current Biology, 2007, 17, 1967-1971.	3.9	134
40	Plasticity in antiparasite behaviours and its suggested role in invasion biology. Animal Behaviour, 2007, 74, 1593-1599.	1.9	24
41	Long Repeats in a Huge Genome: Microsatellite Loci in the Grasshopper Chorthippus biguttulus. Journal of Molecular Evolution, 2006, 62, 158-167.	1.8	17
42	Stealthy invaders: the biology of Cardiocondyla tramp ants. Insectes Sociaux, 2006, 53, 1-7.	1.2	69
43	Sexual Cooperation. Current Biology, 2005, 15, 267-270.	3.9	82
44	Primary sex ratio adjustment by ant queens in response to local mate competition. Animal Behaviour, 2005, 69, 1031-1035.	1.9	18
45	Stress Grows Wings. Current Biology, 2003, 13, 219-223.	3.9	69
46	Live and let die: why fighter males of the ant Cardiocondyla kill each other but tolerate their winged rivals. Behavioral Ecology, 2003, 14, 54-62.	2.2	28
47	Adaptive production of fighter males: queens of the antCardiocondylaadjust the sex ratio under local mate competition. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 417-422.	2.6	60
48	A transitional stage between the ergatoid and winged male morph in the ant Cardiocondyla obscurior. Insectes Sociaux, 2002, 49, 221-228.	1.2	15
49	Chemical mimicry: Male ants disguised by the queen's bouquet. Nature, 2002, 419, 897-897.	27.8	54