

# Sylvia Cremer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3445657/publications.pdf>

Version: 2024-02-01

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	Social Immunity. <i>Current Biology</i> , 2007, 17, R693-R702.	3.9	804
2	Social network plasticity decreases disease transmission in a eusocial insect. <i>Science</i> , 2018, 362, 941-945.	12.6	202
3	Social Immunity: Emergence and Evolution of Colony-Level Disease Protection. <i>Annual Review of Entomology</i> , 2018, 63, 105-123.	11.8	193
4	Sociality and health: impacts of sociality on disease susceptibility and transmission in animal and human societies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140116.	4.0	169
5	Ants Disinfect Fungus-Exposed Brood by Oral Uptake and Spread of Their Poison. <i>Current Biology</i> , 2013, 23, 76-82.	3.9	160
6	Social Transfer of Pathogenic Fungus Promotes Active Immunisation in Ant Colonies. <i>PLoS Biology</i> , 2012, 10, e1001300.	5.6	158
7	Social Prophylaxis: Group Interaction Promotes Collective Immunity in Ant Colonies. <i>Current Biology</i> , 2007, 17, 1967-1971.	3.9	134
8	Analogies in the evolution of individual and social immunity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2009, 364, 129-142.	4.0	128
9	Organisational immunity in social insects. <i>Current Opinion in Insect Science</i> , 2014, 5, 1-15.	4.4	100
10	Rapid anti-pathogen response in ant societies relies on high genetic diversity. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2821-2828.	2.6	85
11	Sexual Cooperation. <i>Current Biology</i> , 2005, 15, 267-270.	3.9	82
12	The Evolution of Invasiveness in Garden Ants. <i>PLoS ONE</i> , 2008, 3, e3838.	2.5	81
13	The introduction history of invasive garden ants in Europe: Integrating genetic, chemical and behavioural approaches. <i>BMC Biology</i> , 2008, 6, 11.	3.8	79
14	Destructive disinfection of infected brood prevents systemic disease spread in ant colonies. <i>ELife</i> , 2018, 7, .	6.0	78
15	Individual and social immunisation in insects. <i>Trends in Immunology</i> , 2014, 35, 471-482.	6.8	75
16	Stress Grows Wings. <i>Current Biology</i> , 2003, 13, 219-223.	3.9	69
17	Stealthy invaders: the biology of <i>Cardiocondyla tramp</i> ants. <i>Insectes Sociaux</i> , 2006, 53, 1-7.	1.2	69
18	Adaptive production of fighter males: queens of the ant <i>Cardiocondyla</i> adjust the sex ratio under local mate competition. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 417-422.	2.6	60

#	ARTICLE	IF	CITATIONS
19	Chemical mimicry: Male ants disguised by the queen's bouquet. <i>Nature</i> , 2002, 419, 897-897.	27.8	54
20	Social immunity in insects. <i>Current Biology</i> , 2019, 29, R458-R463.	3.9	49
21	Ants avoid superinfections by performing risk-adjusted sanitary care. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 2782-2787.	7.1	47
22	Opposing effects of allogrooming on disease transmission in ant societies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140108.	4.0	43
23	Pupal cocoons affect sanitary brood care and limit fungal infections in ant colonies. <i>BMC Evolutionary Biology</i> , 2013, 13, 225.	3.2	39
24	Anti-pathogen protection versus survival costs mediated by an ectosymbiont in an ant host. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141976.	2.6	36
25	Social influence on age and reproduction: reduced lifespan and fecundity in multi-queen ant colonies. <i>Journal of Evolutionary Biology</i> , 2011, 24, 1455-1461.	1.7	34
26	Live and let die: why fighter males of the ant <i>Cardiocondyla</i> kill each other but tolerate their winged rivals. <i>Behavioral Ecology</i> , 2003, 14, 54-62.	2.2	28
27	Effects of social immunity and unicoloniality on host-parasite interactions in invasive insect societies. <i>Functional Ecology</i> , 2012, 26, 1300-1312.	3.6	28
28	Plasticity in antiparasite behaviours and its suggested role in invasion biology. <i>Animal Behaviour</i> , 2007, 74, 1593-1599.	1.9	24
29	Ant queens increase their reproductive efforts after pathogen infection. <i>Royal Society Open Science</i> , 2017, 4, 170547.	2.4	21
30	Primary sex ratio adjustment by ant queens in response to local mate competition. <i>Animal Behaviour</i> , 2005, 69, 1031-1035.	1.9	18
31	Long Repeats in a Huge Genome: Microsatellite Loci in the Grasshopper <i>Chorthippus biguttulus</i> . <i>Journal of Molecular Evolution</i> , 2006, 62, 158-167.	1.8	17
32	Increased grooming after repeated brood care provides sanitary benefits in a clonal ant. <i>Behavioral Ecology and Sociobiology</i> , 2014, 68, 1701-1710.	1.4	17
33	Oxytocin-like signaling in ants influences metabolic gene expression and locomotor activity. <i>FASEB Journal</i> , 2018, 32, 6808-6821.	0.5	17
34	A transitional stage between the ergatoid and winged male morph in the ant <i>Cardiocondyla obscurior</i> . <i>Insectes Sociaux</i> , 2002, 49, 221-228.	1.2	15
35	Queen number influences the timing of the sexual production in colonies of <i>Cardiocondyla</i> ants. <i>Biology Letters</i> , 2008, 4, 670-673.	2.3	13
36	Optimal species distinction by discriminant analysis: comparing established methods of character selection with a combination procedure using ant morphometrics as a case study. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2007, 45, 82-87.	1.4	10

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37	Co-founding ant queens prevent disease by performing prophylactic undertaking behaviour. BMC Evolutionary Biology, 2017, 17, 219.	3.2	10
38	Protection against the lethal side effects of social immunity in ants. Current Biology, 2018, 28, R1139-R1140.	3.9	10
39	Pathogens and disease defense of invasive ants. Current Opinion in Insect Science, 2019, 33, 63-68.	4.4	10
40	Early queen infection shapes developmental dynamics and induces long-term disease protection in incipient ant colonies. Ecology Letters, 2022, 25, 89-100.	6.4	10
41	Imperfect chemical female mimicry in males of the ant Cardiocondyla obscurior. Die Naturwissenschaften, 2008, 95, 1101-1105.	1.6	9
42	Social immunity modulates competition between coinfecting pathogens. Ecology Letters, 2020, 23, 565-574.	6.4	8
43	Social environment affects the transcriptomic response to bacteria in ant queens. Ecology and Evolution, 2018, 8, 11031-11070.	1.9	6
44	Competition and Opportunity Shape the Reproductive Tactics of Males in the Ant Cardiocondyla obscurior. PLoS ONE, 2011, 6, e17323.	2.5	5
45	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
46	The dynamics of male-male competition in Cardiocondyla obscurior ants. BMC Ecology, 2012, 12, 7.	3.0	3
47	Social Immunity. , 2019, , 747-755.		0
48	Parasites and Pathogens. , 2021, , 713-723.		0
49	Parasites and Pathogens. , 2020, , 1-11.		0