

# Christian Peeters

## List of Publications by Year in descending order

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116  
papers

4,828  
citations

101543

36  
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110387

64  
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123  
all docs

123  
docs citations

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times ranked

1888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Are variations in cuticular hydrocarbons of queens and workers a reliable signal of fertility in the ant <i>Harpegnathos saltator</i> ?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 4124-4131.	7.1	248
2	COLONYDISPERSAL AND THEEVOLUTION OFQUEENMORPHOLOGY INSOCIALHYMENOPTERA. <i>Annual Review of Entomology</i> , 2001, 46, 601-630.	11.8	200
3	Dominance hierarchy and reproductive conflicts among subordinates in a monogynous queenless ant. <i>Behavioral Ecology</i> , 1999, 10, 323-332.	2.2	193
4	Cuticular hydrocarbons mediate discrimination of reproductives and nonreproductives in the ant <i>Myrmecia gulosa</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 10341-10346.	7.1	183
5	Cuticular hydrocarbons correlated with reproductive status in a queenless ant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 1323-1327.	2.6	174
6	Title is missing!. <i>Journal of Chemical Ecology</i> , 1998, 24, 473-490.	1.8	169
7	Sex, age and ovarian activity affect cuticular hydrocarbons in <i>Diacamma ceylonense</i> , a queenless ant. <i>Journal of Insect Physiology</i> , 2001, 47, 485-493.	2.0	163
8	Morphological castes in a vertebrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 13194-13197.	7.1	152
9	Recurrent Evolution of Dependent Colony Foundation Across Eusocial Insects. <i>Annual Review of Entomology</i> , 2013, 58, 37-55.	11.8	141
10	Reproductive dominance controlled by mutilation in the queenless ant <i>Diacamma australe</i> . <i>Die Naturwissenschaften</i> , 1989, 76, 177-180.	1.6	123
11	Worker policing limits the number of reproductives in a ponerine ant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 1865-1870.	2.6	115
12	Morphologically "primitive" ants: comparative review of social characters, and the importance of queen-worker dimorphism. , 0, , 372-391.		114
13	The occurrence of sexual reproduction among ant workers. <i>Biological Journal of the Linnean Society</i> , 1991, 44, 141-152.	1.6	113
14	Cannibalism of subordinates' eggs in the monogynous queenless ant <i>Dinoponera quadricaps</i> . <i>Die Naturwissenschaften</i> , 1997, 84, 499-502.	1.6	111
15	Conflict and cooperation in ant societies. <i>Die Naturwissenschaften</i> , 1994, 81, 489-497.	1.6	96
16	Monogyny and regulation of worker mating in the queenless ant <i>Dinoponera quadricaps</i> . <i>Animal Behaviour</i> , 1998, 55, 299-306.	1.9	96
17	Ergatoid queens and intercastes in ants: Two distinct adult forms which look morphologically intermediate between workers and winged queens. <i>Insectes Sociaux</i> , 1991, 38, 1-15.	1.2	94
18	Sexual reproduction by both queens and workers in the ponerine ant <i>Harpegnathos saltator</i> . <i>Insectes Sociaux</i> , 2000, 47, 325-332.	1.2	93

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19	Insemination controls the reproductive division of labour in a ponerine ant. <i>Die Naturwissenschaften</i> , 1984, 71, 50-51.	1.6	89
20	Fertility signalling and reproductive skew in queenless ants. <i>Animal Behaviour</i> , 2004, 68, 1209-1219.	1.9	83
21	Policing behaviour towards virgin egg layers in a polygynous ponerine ant. <i>Animal Behaviour</i> , 1999, 58, 1117-1122.	1.9	81
22	Evolution of Novel Mosaic Castes in Ants: Modularity, Phenotypic Plasticity, and Colonial Buffering. <i>American Naturalist</i> , 2012, 180, 328-341.	2.1	74
23	Regulation of reproduction in a queenless ant: aggression, pheromones and reduction in conflict. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1295-1300.	2.6	68
24	Reproductive cooperation between queens and their mated workers: the complex life history of an ant with a valuable nest.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995, 92, 10977-10979.	7.1	66
25	Reproductive conflict among ant workers in <i>Diacamma</i> sp. from Japan: dominance and oviposition in the absence of the gamergate. <i>Insectes Sociaux</i> , 1993, 40, 119-136.	1.2	65
26	Reproductive monopoly enforced by sterile police workers in a queenless ant. <i>Behavioral Ecology</i> , 2004, 15, 970-975.	2.2	57
27	Population genetic structure and male-biased dispersal in the queenless ant <i>Diacamma cyaneiventre</i> . <i>Molecular Ecology</i> , 2008, 11, 2251-2264.	3.9	57
28	Hormonal correlates of reproductive status in the queenless ponerine ant, <i>Streblognathus peetersi</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2006, 192, 315-320.	1.6	55
29	Evolution of thorax architecture in ant castes highlights trade-off between flight and ground behaviors. <i>ELife</i> , 2014, 3, e01539.	6.0	54
30	A novel exocrine gland inside the thoracic appendages (â€œgemmaeâ€™™) of the queenless ant <i>Diacamma australe</i> . <i>Experientia</i> , 1991, 47, 229-231.	1.2	50
31	?Wall-papering? and elaborate nest architecture in the ponerine ant <i>Harpegnathos saltator</i> . <i>Insectes Sociaux</i> , 1994, 41, 211-218.	1.2	42
32	The reproductive division of labour in the queenless ponerine ant <i>Rhytidoponera</i> sp. 12. <i>Insectes Sociaux</i> , 1987, 34, 75-86.	1.2	41
33	Foraging and Recruitment in Ponerine Ants: Solitary Hunting in the Queenless <i>Ophthalmopone Berthoudi</i> (Hymenoptera: Formicidae). <i>Psyche: Journal of Entomology</i> , 1987, 94, 201-214.	0.9	40
34	Caste and Reproduction in Ants: Not All Mated Egg-Layers are â€œQueensâ€™. <i>Psyche: Journal of Entomology</i> , 1988, 95, 283-288.	0.9	39
35	Alternative dominance mechanisms regulating monogyny in the queenless ant genus <i>diacamma</i> . <i>Die Naturwissenschaften</i> , 1992, 79, 572-573.	1.6	38
36	Central projections of the sensory hairs on the gemma of the ant <i>Diacamma</i> : substrate for behavioural modulation?. <i>Cell and Tissue Research</i> , 1993, 273, 401-415.	2.9	38

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37	Queen-worker differences in spermatheca reservoir of phylogenetically basal ants. <i>Cell and Tissue Research</i> , 2006, 326, 169-178.	2.9	37
38	Trail communication in the ant <i>Megaponera foetens</i> (Fabr.) (Formicidae, Ponerinae). <i>Journal of Insect Physiology</i> , 1994, 40, 585-593.	2.0	36
39	Changes in the cuticular hydrocarbons of incipient reproductives correlate with triggering of worker policing in the bulldog ant <i>Myrmecia gulosa</i> . <i>Behavioral Ecology and Sociobiology</i> , 2005, 58, 486-496.	1.4	34
40	Queen influence on the shift from trophic to reproductive eggs laid by workers of the ponerine ant <i>Pachycondyla apicalis</i> . <i>Insectes Sociaux</i> , 2000, 47, 223-228.	1.2	33
41	Production of trophic eggs by virgin workers in the ponerine ant <i>Gnamptogenys menadensis</i> . <i>Physiological Entomology</i> , 1998, 23, 329-336.	1.5	33
42	Are Ant Workers Capable of Colony Foundation?. <i>Die Naturwissenschaften</i> , 1998, 85, 133-135.	1.6	32
43	Serial polygyny and colony genetic structure in the monogynous queenless ant <i>Diacamma cyaneiventre</i> . <i>Behavioral Ecology and Sociobiology</i> , 2001, 50, 72-80.	1.4	32
44	Skeletomuscular adaptations of head and legs of <i>Melissotarsus</i> ants for tunnelling through living wood. <i>Frontiers in Zoology</i> , 2018, 15, 30.	2.0	31
45	Dominance Interactions Regulate Worker Mating in the Polygynous Ponerine Ant <i>Gnamptogenys menadensis</i> . <i>Ethology</i> , 2001, 107, 495-508.	1.1	30
46	Shift from independent to dependent colony foundation and evolution of "multi-purpose" ergatoid queens in <i>Myrmium</i> ants (subfamily Amblyoponinae). <i>Biological Journal of the Linnean Society</i> , 2009, 98, 198-207.	1.6	30
47	Colony Reproduction and Arboreal Life in the Ponerine Ant <i>Gnamptogenys Menadensis</i> (Hymenoptera: Formicidae). <i>Oecologia</i> , 2004, 140, 107-116.	0.4	28
48	Very low genetic variability in the Indian queenless ant <i>Diacamma indicum</i> . <i>Molecular Ecology</i> , 2004, 13, 2095-2100.	3.9	28
49	Winged queens replaced by reproductives smaller than workers in <i>Myrmium</i> ants. <i>Die Naturwissenschaften</i> , 2007, 94, 280-287.	1.6	27
50	Cooperation Between Dealate Queens During Colony Foundation in the Green Tree Ant, <i>Oecophylla smaragdina</i> . <i>Psyche: Journal of Entomology</i> , 1989, 96, 39-44.	0.9	26
51	How many gamergates is an ant queen worth?. <i>Die Naturwissenschaften</i> , 2008, 95, 109-116.	1.6	26
52	Colonial Reproduction and Life Histories. , 2009, , 159-176.		26
53	Rapid modification in the olfactory signal of ants following a change in reproductive status. <i>Die Naturwissenschaften</i> , 2005, 92, 73-77.	1.6	25
54	Bigger Helpers in the Ant <i>Cataglyphis bombycina</i> : Increased Worker Polymorphism or Novel Soldier Caste?. <i>PLoS ONE</i> , 2014, 9, e84929.	2.5	25

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55	Production of trophic eggs by virgin workers in the ponerine ant <i>Gnamptogenys menadensis</i> . <i>Physiological Entomology</i> , 1998, 23, 329-336.	1.5	24
56	Predation on large millipedes and self-assembling chains in <i>Leptogenys</i> ants from Cambodia. <i>Insectes Sociaux</i> , 2015, 62, 471-477.	1.2	24
57	Title is missing!. <i>Journal of Insect Behavior</i> , 1998, 11, 361-369.	0.7	23
58	Evolutionary reduction of female dispersal in <i>Cataglyphis</i> desert ants. <i>Biological Journal of the Linnean Society</i> , 2017, 122, 58-70.	1.6	23
59	Nestmate discrimination in a ponerine ant ( <i>Rhytidoponera</i> sp. 12) without a queen caste and with a low intra-nest relatedness. <i>Insectes Sociaux</i> , 1988, 35, 34-46.	1.2	22
60	Caste specialization and differentiation in reproductive potential in the phylogenetically primitive ant <i>Myrmecia gulosa</i> . <i>Insectes Sociaux</i> , 2002, 49, 289-298.	1.2	22
61	Developmental divergence: neglected variable in understanding the evolution of reproductive skew in social animals. <i>Behavioral Ecology</i> , 2006, 17, 622-627.	2.2	22
62	Degeneration of sperm reservoir and the loss of mating ability in worker ants. <i>Die Naturwissenschaften</i> , 2008, 95, 1041-1048.	1.6	22
63	Evolution of cheaper workers in ants: a comparative study of exoskeleton thickness. <i>Biological Journal of the Linnean Society</i> , 2017, 121, 556-563.	1.6	21
64	Comparative study of the metatibial gland in ants (Hymenoptera, formicidae). <i>Zoomorphology</i> , 1996, 116, 157-167.	0.8	20
65	Shift in Colonial Reproductive Strategy Associated with a Tropicalâ€¦Temperate Gradient in <i>Rhytidoponera</i> Ants. <i>American Naturalist</i> , 2008, 172, 75-87.	2.1	20
66	Life-Pattern Studies on an Australian <i>Sphinctomyrmex</i> (Formicidae: Ponerinae; Cerapachyini): Functional Polygyny, Brood Periodicity and Raiding Behavior.. <i>Psyche: Journal of Entomology</i> , 1989, 96, 287-300.	0.9	19
67	Conflict and Cooperation in Ant Societies. <i>Die Naturwissenschaften</i> , 1994, 81, 489-497.	1.6	19
68	Experimental Investigation of the Mechanism of Reproductive Differentiation in the Queenless Ant, <i>Diacamma</i> sp., from Japan. <i>Ethology</i> , 1998, 104, 633-643.	1.1	18
69	Evolution of a soldier caste specialized to lay unfertilized eggs in the ant genus <i>Crematogaster</i> (subgenus <i>Orthocrema</i> ). <i>Arthropod Structure and Development</i> , 2013, 42, 257-264.	1.4	18
70	Exocrine glands and the attractiveness of the ergatoid queen in the ponerine ant <i>Megaponera foetens</i> . <i>Insectes Sociaux</i> , 1994, 41, 63-72.	1.2	17
71	Reproductive conflicts and mutilation in queenless <i>Diacamma</i> ants. <i>Animal Behaviour</i> , 2006, 72, 305-311.	1.9	16
72	The Giant Nests of the African Stink Ant <i>Paltothyreus tarsatus</i> (Formicidae, Ponerinae). <i>Biotropica</i> , 1994, 26, 308.	1.6	15

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73	Role of the queen in regulating reproduction in the bulldog ant <i>Myrmecia gulosa</i> : control or signalling?. <i>Animal Behaviour</i> , 2005, 69, 777-784.	1.9	15
74	Evolution of wingless reproductives in ants: weakly specialized ergatoid queen instead of gamergates in <i>Platythyrea conradi</i> . <i>Insectes Sociaux</i> , 2006, 53, 177-182.	1.2	15
75	When David and Goliath share a home: Compound nesting of <i>Pyramica</i> and <i>Platythyrea</i> ants. <i>Insectes Sociaux</i> , 2006, 53, 435-438.	1.2	15
76	Male Biology in the Queenless Ponerine Ant <i>Ophthalmopone Berthoudi</i> (Hymenoptera: Formicidae). <i>Psyche: Journal of Entomology</i> , 1986, 93, 277-284.	0.9	14
77	Reproductive division of labour without dominance interactions in the queenless ponerine ant <i>Pachycondyla</i> (= <i>Ophthalmopone</i> ) <i>berthoudi</i> . <i>Insectes Sociaux</i> , 2001, 48, 67-73.	1.2	13
78	The loss of flight in ant workers enabled an evolutionary redesign of the thorax for ground labour. <i>Frontiers in Zoology</i> , 2020, 17, 33.	2.0	13
79	Morphological variability of intercastes in the ant <i>Temnothorax nylanderi</i> : pattern of trait expression and modularity. <i>Insectes Sociaux</i> , 2013, 60, 319-328.	1.2	12
80	Morphology and reproductive behaviour of intercastes in the ponerine ant <i>Pachycondyla obscuricornis</i> . <i>Insectes Sociaux</i> , 1996, 43, 421-425.	1.2	11
81	Testing homology with morphology, development and gene expression: sex-specific thoracic appendages of the ant <i>Diacamma</i> . <i>Evolution &amp; Development</i> , 2006, 8, 433-445.	2.0	11
82	Diversity and distribution of ant assemblages above and below ground in a West African forest-savannah mosaic (Lamto, Côte d'Ivoire). <i>Insectes Sociaux</i> , 2017, 64, 155-168.	1.2	11
83	A mutualism without honeydew: what benefits for <i>Melissotarsus emeryi</i> ants and armored scale insects (Diaspididae)?. <i>PeerJ</i> , 2017, 5, e3599.	2.0	11
84	Social mutilation in the Ponerine ant <i>Diacamma</i> : cues originate in the victims. <i>Insectes Sociaux</i> , 2004, 51, 410-413.	1.2	10
85	Morphological variations in the pre-imaginal development of the ponerine ant <i>Diacamma ceylonense</i> . <i>Acta Zoologica</i> , 2005, 86, 25-31.	0.8	10
86	Gamergates in the Australian ant subfamily Myrmeciinae. <i>Die Naturwissenschaften</i> , 2004, 91, 432-5.	1.6	9
87	Reproductive Caste Performs Intranidal Tasks Instead of Workers in the Ant <i>Myrmium oberthueri</i> . <i>Ethology</i> , 2007, 113, 721-729.	1.1	9
88	Evolution of advanced social traits in phylogenetically basal ants: striking worker polymorphism and large queens in <i>Amblyopone australis</i> . <i>Insectes Sociaux</i> , 2010, 57, 177-183.	1.2	9
89	Reproduction in ponerine ants without queens: monogyny and exceptionally small colonies in the Australian <i>Pachycondyla sublaevis</i> . <i>Ethology Ecology and Evolution</i> , 1991, 3, 145-152.	1.4	8
90	Shift in the behaviours regulating monogyny is associated with high genetic differentiation in the queenless ant <i>Diacamma ceylonense</i> . <i>Insectes Sociaux</i> , 2003, 50, 390-397.	1.2	8

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91	Permanent loss of wings in queens of the ant <i>Odontomachus coquereli</i> from Madagascar. <i>Insectes Sociaux</i> , 2007, 54, 183-188.	1.2	8
92	Glandular innovations for a tunnelling life: Silk and associated leg glands in <i>Melissotarsus</i> and <i>Rhopalomastix</i> queen and worker ants. <i>Arthropod Structure and Development</i> , 2020, 59, 100979.	1.4	8
93	Notes on the Morphology of the Sticky "Doorknobs" of Larvae in an Australian <i>Hypoponera</i> SP. (Formicidae; Ponerinae). <i>Psyche: Journal of Entomology</i> , 1992, 99, 23-30.	0.9	7
94	A New Species of <i>Schizaspidia</i> , with Discussion of the Phylogenetic Utility of Immature Stages for Assessing Relationships Among Eucharitid Parasitoids of Ants. <i>Annals of the Entomological Society of America</i> , 2015, 108, 865-874.	2.5	7
95	Food storage and morphological divergence between worker and soldier castes in a subterranean myrmicine ant, <i>Carebara perpusilla</i> . <i>Journal of Natural History</i> , 2020, 54, 3131-3148.	0.5	7
96	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
97	Both female castes contribute to colony emigration in the polygynous ant <i>Mystrium oberthueri</i> . <i>Ecological Entomology</i> , 2013, 38, 408-417.	2.2	6
98	Fecundity and the Behavioural Profile of Reproductive Workers in the Queenless Ant, <i>Pachycondyla (=) Tj ETQq0 0 0 rgBT /Overlock 10 T</i>	1.1	5
99	Novel exocrine glands in the hindleg tarsi of the ant <i>Nothomyrmecia macrops</i> . <i>Australian Journal of Zoology</i> , 2000, 48, 661.	1.0	5
100	Independent colony foundation in <i>Paraponera clavata</i> (Hymenoptera, Formicidae): First workers lay trophic eggs to feed queen's larvae. <i>Sociobiology</i> , 2017, 64, 417.	0.5	5
101	Estimating the rate of gamergate turnover in the queenless ant <i>Diacamma cyaneiventre</i> using a maximum likelihood model. <i>Insectes Sociaux</i> , 2006, 53, 233-240.	1.2	4
102	Funnels, gas exchange and cliff jumping: natural history of the cliff dwelling ant <i>Malagidris sofina</i> . <i>Insectes Sociaux</i> , 2014, 61, 357-365.	1.2	3
103	Uncoupling Flight and Reproduction in Ants: Evolution of Ergatoid Queens in Two Lineages of <i>Megalomyrmex</i> (Hymenoptera: Formicidae). <i>Journal of Insect Science</i> , 2016, 16, 85.	1.5	3
104	Comparative study of the metatibial gland in ants (Hymenoptera, Formicidae). <i>Zoomorphology</i> , 1996, 116, 157-167.	0.8	3
105	Colony Foundation. , 2020, , 1-6.		3
106	Aggression regulates monogyny in non-mutilating <i>Diacamma</i> ants. <i>Insectes Sociaux</i> , 2012, 59, 533-539.	1.2	2
107	Large Colonies and Striking Sexual investment in the African Stink Ant, <i>Paltothyreus tarsatus</i> (Subfamily Ponerinae). <i>Journal of the Entomological Society of Southern Africa</i> , 2013, 21, 9-14.	0.3	2
108	Gamergates (Mated Egg-Laying Workers) and Queens both Reproduce in <i>Euponera sikorae</i> Ants from Madagascar. <i>African Entomology</i> , 2016, 24, 180-187.	0.6	2

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109	Rhopalomastix is only the second ant genus known to live with armoured scale insects (Diaspididae). <i>Insectes Sociaux</i> , 2019, 66, 273-282.	1.2	2
110	Minute workers and large soldiers in the subterranean ant <i>Carebara perpusilla</i> : Musculoskeletal consequences of Haller's rule in the thorax. <i>Arthropod Structure and Development</i> , 2022, 69, 101188.	1.4	2
111	One tree, many colonies: colony structure, breeding system and colonization events of host trees in tunnelling <i>Melissotarsus</i> ants. <i>Biological Journal of the Linnean Society</i> , 2021, 133, 237-248.	1.6	1
112	Poneroid Ants. , 2021, , 749-754.		1
113	Colony Foundation. , 2021, , 241-246.		0
114	Nonflying Reproductives in Ants. , 2021, , 668-670.		0
115	Nonflying Reproductives in Ants. , 2019, , 1-3.		0
116	Nest architecture, worker reproduction, and polygyny in the ponerine ant <i>Harpegnathos venator</i> . <i>Insectes Sociaux</i> , 0, , 1.	1.2	0