Christian Peeters

List of Publications by Year
in descending order

116 papers	4,828 citations	101543 36 h-index	110387 64 g-index
123 all docs	123 docs citations	123 times ranked	1888 citing authors

#	Article	IF	Citations
1	Minute workers and large soldiers in the subterranean ant Carebara perpusilla: Musculoskeletal consequences of Haller's rule in the thorax. Arthropod Structure and Development, 2022, 69, 101188.	1.4	2
2	Colony Foundation. , 2021, , 241-246.		0
3	One tree, many colonies: colony structure, breeding system and colonization events of host trees in tunnellingMelissotarsusants. Biological Journal of the Linnean Society, 2021, 133, 237-248.	1.6	1
4	Nonflying Reproductives in Ants. , 2021, , 668-670.		0
5	Poneroid Ants. , 2021, , 749-754.		1
6	The loss of flight in ant workers enabled an evolutionary redesign of the thorax for ground labour. Frontiers in Zoology, 2020, 17, 33.	2.0	13
7	Glandular innovations for a tunnelling life: Silk and associated leg glands in Melissotarsus and Rhopalomastix queen and worker ants. Arthropod Structure and Development, 2020, 59, 100979.	1.4	8
8	Food storage and morphological divergence between worker and soldier castes in a subterranean myrmicine ant, Carebara perpusilla. Journal of Natural History, 2020, 54, 3131-3148.	0.5	7
9	Colony Foundation. , 2020, , 1-6.		3
10	Rhopalomastix is only the second ant genus known to live with armoured scale insects (Diaspididae). Insectes Sociaux, 2019, 66, 273-282.	1.2	2
11	Nonflying Reproductives in Ants. , 2019, , 1-3.		0
12	Skeletomuscular adaptations of head and legs of Melissotarsus ants for tunnelling through living wood. Frontiers in Zoology, 2018, 15, 30.	2.0	31
13	Diversity and distribution of ant assemblages above and below ground in a West African forestâ€“savannah mosaic (Lamto, CÃ´te dâ€™Ivoire). Insectes Sociaux, 2017, 64, 155-168.	1.2	11
14	Evolution of cheaper workers in ants: a comparative study of exoskeleton thickness. Biological Journal of the Linnean Society, 2017, 121, 556-563.	1.6	21
15	Evolutionary reduction of female dispersal in Cataglyphis desert ants. Biological Journal of the Linnean Society, 2017, 122, 58-70.	1.6	23
16	Independent colony foundation in Paraponera clavata (Hymenoptera, Formicidae): First workers lay trophic eggs to feed queenâ€™s larvae. Sociobiology, 2017, 64, 417.	0.5	5
17	A mutualism without honeydew: what benefits forMelissotarsus emeryiants and armored scale insects (Diaspididae)?. PeerJ, 2017, 5, e3599.	2.0	11
18	Gamergates (Mated Egg-Laying Workers) and Queens both Reproduce inEuponera sikoraeAnts from Madagascar. African Entomology, 2016, 24, 180-187.	0.6	2

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19	Uncoupling Flight and Reproduction in Ants: Evolution of Ergatoid Queens in Two Lineages ofMegalomyrmex(Hymenoptera: Formicidae). Journal of Insect Science, 2016, 16, 85.	1.5	3
20	A New Species ofSchizaspidia, with Discussion of the Phylogenetic Utility of Immature Stages for Assessing Relationships Among Eucharitid Parasitoids of Ants. Annals of the Entomological Society of America, 2015, 108, 865-874.	2.5	7
21	Predation on large millipedes and self-assembling chains in Leptogenys ants from Cambodia. Insectes Sociaux, 2015, 62, 471-477.	1.2	24
22	Bigger Helpers in the Ant Cataglyphis bombycina: Increased Worker Polymorphism or Novel Soldier Caste?. PLoS ONE, 2014, 9, e84929.	2.5	25
23	Evolution of thorax architecture in ant castes highlights trade-off between flight and ground behaviors. ELife, 2014, 3, e01539.	6.0	54
24	Funnels, gas exchange and cliff jumping: natural history of the cliff dwelling ant Malagidris sofina. Insectes Sociaux, 2014, 61, 357-365.	1.2	3
25	Both female castes contribute to colony emigration in the polygynous ant Mystrium oberthueri. Ecological Entomology, 2013, 38, 408-417.	2.2	6
26	Large Colonies and Striking Sexual investment in the African Stink Ant,Paltothyreus tarsatus(Subfamily Ponerinae). Journal of the Entomological Society of Southern Africa, 2013, 21, 9-14.	0.3	2
27	Recurrent Evolution of Dependent Colony Foundation Across Eusocial Insects. Annual Review of Entomology, 2013, 58, 37-55.	11.8	141
28	Evolution of a soldier caste specialized to lay unfertilized eggs in the ant genus Crematogaster (subgenus Orthocrema). Arthropod Structure and Development, 2013, 42, 257-264.	1.4	18
29	Morphological variability of intercastes in the ant Temnothorax nylanderi: pattern of trait expression and modularity. Insectes Sociaux, 2013, 60, 319-328.	1.2	12
30	Aggression regulates monogyny in non-mutilating Diacamma ants. Insectes Sociaux, 2012, 59, 533-539.	1.2	2
31	Evolution of Novel Mosaic Castes in Ants: Modularity, Phenotypic Plasticity, and Colonial Buffering. American Naturalist, 2012, 180, 328-341.	2.1	74
32	Selection against Aerial Dispersal in Ants: Two Non-Flying Queen Phenotypes in Pogonomyrmex laticeps. PLoS ONE, 2012, 7, e47727.	2.5	6
33	Evolution of advanced social traits in phylogenetically basal ants: striking worker polymorphism and large queens in Amblyopone australis. Insectes Sociaux, 2010, 57, 177-183.	1.2	9
34	Shift from independent to dependent colony foundation and evolution of â€˜multi-purposeâ€™ ergatoid queens in Mystrium ants (subfamily Amblyoponinae). Biological Journal of the Linnean Society, 2009, 98, 198-207.	1.6	30
35	Colonial Reproduction and Life Histories. , 2009, , 159-176.		26
36	How many gamergates is an ant queen worth?. Die Naturwissenschaften, 2008, 95, 109-116.	1.6	26

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37	Degeneration of sperm reservoir and the loss of mating ability in worker ants. Die Naturwissenschaften, 2008, 95, 1041-1048.	1.6	22
38	Population genetic structure and male-biased dispersal in the queenless ant Diacamma cyaneiventre. Molecular Ecology, 2008, 11, 2251-2264.	3.9	57
39	Shift in Colonial Reproductive Strategy Associated with a Tropicalâ€Temperate Gradient in Rhytidoponera Ants. American Naturalist, 2008, 172, 75-87.	2.1	20
40	Reproductive Caste Performs Intranidal Tasks Instead of Workers in the Ant Mystrium oberthueri. Ethology, 2007, 113, 721-729.	1.1	9
41	Winged queens replaced by reproductives smaller than workers in Mystrium ants. Die Naturwissenschaften, 2007, 94, 280-287.	1.6	27
42	Permanent loss of wings in queens of the ant Odontomachus coquereli from Madagascar. Insectes Sociaux, 2007, 54, 183-188.	1.2	8
43	Testing homology with morphology, development and gene expression: sex-specific thoracic appendages of the ant Diacamma. Evolution & Development, 2006, 8, 433-445.	2.0	11
44	Queen-worker differences in spermatheca reservoir of phylogenetically basal ants. Cell and Tissue Research, 2006, 326, 169-178.	2.9	37
45	Hormonal correlates of reproductive status in the queenless ponerine ant, Streblognathus peetersi. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2006, 192, 315-320.	1.6	55
46	Evolution of wingless reproductives in ants: weakly specialized ergatoid queen instead of gamergates in Platythyrea conradti. Insectes Sociaux, 2006, 53, 177-182.	1.2	15
47	When David and Goliath share a home: Compound nesting of Pyramica and Platythyrea ants. Insectes Sociaux, 2006, 53, 435-438.	1.2	15
48	Estimating the rate of gamergate turnover in the queenless ant Diacamma cyaneiventre using a maximum likelihood model. Insectes Sociaux, 2006, 53, 233-240.	1.2	4
49	Reproductive conflicts and mutilation in queenless Diacamma ants. Animal Behaviour, 2006, 72, 305-311.	1.9	16
50	Developmental divergence: neglected variable in understanding the evolution of reproductive skew in social animals. Behavioral Ecology, 2006, 17, 622-627.	2.2	22
51	Morphological variations in the pre-imaginal development of the ponerine ant Diacamma ceylonense. Acta Zoologica, 2005, 86, 25-31.	0.8	10
52	Role of the queen in regulating reproduction in the bulldog ant Myrmecia gulosa: control or signalling?. Animal Behaviour, 2005, 69, 777-784.	1.9	15
53	Changes in the cuticular hydrocarbons of incipient reproductives correlate with triggering of worker policing in the bulldog ant Myrmecia gulosa. Behavioral Ecology and Sociobiology, 2005, 58, 486-496.	1.4	34
54	Rapid modification in the olfactory signal of ants following a change in reproductive status. Die Naturwissenschaften, 2005, 92, 73-77.	1.6	25

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55	Reproductive monopoly enforced by sterile police workers in a queenless ant. Behavioral Ecology, 2004, 15, 970-975.	2.2	57
56	Very low genetic variability in the Indian queenless ant Diacamma indicum. Molecular Ecology, 2004, 13, 2095-2100.	3.9	28
57	Fertility signalling and reproductive skew in queenless ants. Animal Behaviour, 2004, 68, 1209-1219.	1.9	83
58	Gamergates in the Australian ant subfamily Myrmeciinae. Die Naturwissenschaften, 2004, 91, 432-5.	1.6	9
59	Social mutilation in the Ponerine ant Diacamma: cues originate in the victims. Insectes Sociaux, 2004, 51, 410-413.	1.2	10
60	Shift in the behaviours regulating monogyny is associated with highgenetic differentiation in the queenless ant Diacamma ceylonense. Insectes Sociaux, 2003, 50, 390-397.	1.2	8
61	Cuticular hydrocarbons mediate discrimination of reproductives and nonreproductives in the ant Myrmecia gulosa. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 10341-10346.	7.1	183
62	Regulation of reproduction in a queenless ant: aggression, pheromones and reduction in conflict. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1295-1300.	2.6	68
63	Caste specialization and differentiation in reproductive potential in the phylogenetically primitive ant Myrmecia gulosa. Insectes Sociaux, 2002, 49, 289-298.	1.2	22
64	COLONYDISPERSAL AND THEEVOLUTION OFQUEENMORPHOLOGY INSOCIALHYMENOPTERA. Annual Review of Entomology, 2001, 46, 601-630.	11.8	200
65	Reproductive division of labour without dominance interactions in the queenless ponerine ant Pachycondyla (=Ophthalmopone) berthoudi. Insectes Sociaux, 2001, 48, 67-73.	1.2	13
66	Serial polygyny and colony genetic structure in the monogynous queenless ant Diacamma cyaneiventre. Behavioral Ecology and Sociobiology, 2001, 50, 72-80.	1.4	32
67	Dominance Interactions Regulate Worker Mating in the Polygynous Ponerine Ant Gnamptogenys menadensis. Ethology, 2001, 107, 495-508.	1.1	30
68	Sex, age and ovarian activity affect cuticular hydrocarbons in Diacamma ceylonense, a queenless ant. Journal of Insect Physiology, 2001, 47, 485-493.	2.0	163
69	Queen influence on the shift from trophic to reproductive eggs laid by workers of the ponerine ant Pachycondyla apicalis. Insectes Sociaux, 2000, 47, 223-228.	1.2	33
70	Sexual reproduction by both queens and workers in the ponerine ant Harpegnathos saltator. Insectes Sociaux, 2000, 47, 325-332.	1.2	93
71	Morphological castes in a vertebrate. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 13194-13197.	7.1	152
72	Are variations in cuticular hydrocarbons of queens and workers a reliable signal of fertility in the ant Harpegnathos saltator?. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 4124-4131.	7.1	248

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73	Novel exocrine glands in the hindleg tarsi of the ant Nothomyrmecia macrops. Australian Journal of Zoology, 2000, 48, 661.	1.0	5
74	Fecundity and the Behavioural Profile of Reproductive Workers in the Queenless Ant, Pachycondyla (=) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	5
75	Policing behaviour towards virgin egg layers in a polygynous ponerine ant. Animal Behaviour, 1999, 58, 1117-1122.	1.9	81
76	Cuticular hydrocarbons correlated with reproductive status in a queenless ant. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 1323-1327.	2.6	174
77	Worker policing limits the number of reproductives in a ponerine ant. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 1865-1870.	2.6	115
78	Dominance hierarchy and reproductive conflicts among subordinates in a monogynous queenless ant. Behavioral Ecology, 1999, 10, 323-332.	2.2	193
79	Title is missing!. Journal of Insect Behavior, 1998, 11, 361-369.	0.7	23
80	Title is missing!. Journal of Chemical Ecology, 1998, 24, 473-490.	1.8	169
81	Monogyny and regulation of worker mating in the queenless antDinoponera quadriceps. Animal Behaviour, 1998, 55, 299-306.	1.9	96
82	Are Ant Workers Capable of Colony Foundation?. Die Naturwissenschaften, 1998, 85, 133-135.	1.6	32
83	Production of trophic eggs by virgin workers in the ponerine ant Gnamptogenys menadensis. Physiological Entomology, 1998, 23, 329-336.	1.5	24
84	Experimental Investigation of the Mechanism of Reproductive Differentiation in the Queenless Ant, Diacamma sp., from Japan. Ethology, 1998, 104, 633-643.	1.1	18
85	Production of trophic eggs by virgin workers in the ponerine antGnamptogenys menadensis. Physiological Entomology, 1998, 23, 329-336.	1.5	33
86	Colony Reproduction and Arboreal Life in the Ponerine Ant Gnamptogenys Menadensis (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	28
87	Cannibalism of subordinates' eggs in the monogynous queenless ant Dinoponera quadriceps. Die Naturwissenschaften, 1997, 84, 499-502.	1.6	111
88	Morphology and reproductive behaviour of intercastes in the ponerine antPachycondyla obscuricornis. Insectes Sociaux, 1996, 43, 421-425.	1.2	11
89	Comparative study of the metatibial gland in ants (Hymenoptera, formicidae). Zoomorphology, 1996, 116, 157-167.	0.8	20
90	Comparative study of the metatibial gland in ants (Hymenoptera, Formicidae). Zoomorphology, 1996, 116, 157-167.	0.8	3

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91	Reproductive cooperation between queens and their mated workers: the complex life history of an ant with a valuable nest.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 10977-10979.	7.1	66
92	The Giant Nests of the African Stink Ant Paltothyreus tarsatus (Formicidae, Ponerinae). Biotropica, 1994, 26, 308.	1.6	15
93	?Wall-papering? and elaborate nest architecture in the ponerine antHarpegnathos saltator. Insectes Sociaux, 1994, 41, 211-218.	1.2	42
94	Exocrine glands and the attractiveness of the ergatoid queen in the ponerine antMegaponera foetens. Insectes Sociaux, 1994, 41, 63-72.	1.2	17
95	Trail communication in the ant Megaponera foetens (Fabr.) (Formicidae, Ponerinae). Journal of Insect Physiology, 1994, 40, 585-593.	2.0	36
96	Conflict and cooperation in ant societies. Die Naturwissenschaften, 1994, 81, 489-497.	1.6	96
97	Conflict and Cooperation in Ant Societies. Die Naturwissenschaften, 1994, 81, 489-497.	1.6	19
98	Central projections of the sensory hairs on the gemma of the ant Diacamma: substrate for behavioural modulation?. Cell and Tissue Research, 1993, 273, 401-415.	2.9	38
99	Reproductive conflict among ant workers inDiacamma sp. from Japan: dominance and oviposition in the absence of the gamergate. Insectes Sociaux, 1993, 40, 119-136.	1.2	65
100	Notes on the Morphology of the Sticky "Doorknobs" of Larvae in an Australian Hypoponera SP. (Formicidae; Ponerinae). Psyche: Journal of Entomology, 1992, 99, 23-30.	0.9	7
101	Alternative dominance mechanisms regulating monogyny in the queenless ant genusdiacamma. Die Naturwissenschaften, 1992, 79, 572-573.	1.6	38
102	Reproduction in ponerine ants without queens: monogyny and exceptionally small colonies in the AustralianPachycondyla sublaevis. Ethology Ecology and Evolution, 1991, 3, 145-152.	1.4	8
103	The occurrence of sexual reproduction among ant workers. Biological Journal of the Linnean Society, 1991, 44, 141-152.	1.6	113
104	A novel exocrine gland inside the thoracic appendages (â€˜gemmaeâ€™) of the queenless antDiacamma australe. Experientia, 1991, 47, 229-231.	1.2	50
105	Ergatoid queens and intercastes in ants: Two distinct adult forms which look morphologically intermediate between workers and winged queens. Insectes Sociaux, 1991, 38, 1-15.	1.2	94
106	Life-Pattern Studies on an Australian Sphinctomyrmex (Formicidae: Ponerinae; Cerapachyini): Functional Polygyny, Brood Periodicity and Raiding Behavior.. Psyche: Journal of Entomology, 1989, 96, 287-300.	0.9	19
107	Cooperation Between Dealate Queens During Colony Foundation in the Green Tree Ant, Oecophylla Smaragdina. Psyche: Journal of Entomology, 1989, 96, 39-44.	0.9	26
108	Reproductive dominance controlled by mutilation in the queenless ant Diacamma australe. Die Naturwissenschaften, 1989, 76, 177-180.	1.6	123

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109	Nestmate discrimination in a ponerine ant (Rhytidoponera sp. 12) without a queen caste and with a low intra-nest relatedness. Insectes Sociaux, 1988, 35, 34-46.	1.2	22
110	Caste and Reproduction in Ants: Not All Mated Egg-Layers are â€œQueensâ€• Psyche: Journal of Entomology, 1988, 95, 283-288.	0.9	39
111	Foraging and Recruitment in Ponerine Ants: Solitary Hunting in the Queenless Ophthalmopone Berthoudi (Hymenoptera: Formicidae). Psyche: Journal of Entomology, 1987, 94, 201-214.	0.9	40
112	The reproductive division of labour in the queenless ponerine antRhytidoponera sp. 12. Insectes Sociaux, 1987, 34, 75-86.	1.2	41
113	Male Biology in the Queenless Ponerine Ant Ophthalmopone Berthoudi (Hymenoptera: Formicidae). Psyche: Journal of Entomology, 1986, 93, 277-284.	0.9	14
114	Insemination controls the reproductive division of labour in a ponerine ant. Die Naturwissenschaften, 1984, 71, 50-51.	1.6	89
115	Morphologically â€˜primitiveâ€™ ants: comparative review of social characters, and the importance of queenâ€“worker dimorphism. , 0, , 372-391.		114
116	Nest architecture, worker reproduction, and polygyny in the ponerine ant Harpegnathos venator. Insectes Sociaux, 0, , 1.	1.2	0