Robin M Crewe

List of Publications by Year
in descending order

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116	3,579	136950	168389
papers	citations	32 h-index	53 g-index

121	121	121	2083
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Pheromone communication in honey bees (Apis mellifera). , 2021, , 183-204.		4
2	The Biology of the Cape Honey Bee, Apis mellifera capensis (Hymenoptera: Apidae): A Review of Thelytoky and Its Influence on Social Parasitism and Worker Reproduction. Annals of the Entomological Society of America, 2021, 114, 219-228.	2.5	6
3	Odor-Mediated Group Organization and Coordination in the Termite-Raiding Ant Megaponera analis (Mayr). Chemical Senses, 2020, 45, 635-644.	2.0	1
4	Assuring the quality of scholarly South African journals: An experiment in journal peer review. South African Journal of Science, 2020, 116, .	0.7	2
5	Hydroxylation patterns associated with pheromone synthesis and composition in two honey bee subspecies Apis mellifera scutellata and A. m. capensis laying workers. Insect Biochemistry and Molecular Biology, 2019, 114, 103230.	2.7	9
6	Learning from Wild Honey Bees. Trends in Ecology and Evolution, 2019, 34, 967-968.	8.7	3
7	The Conservation of Native Honey Bees Is Crucial. Trends in Ecology and Evolution, 2019, 34, 789-798.	8.7	110
8	Tergal gland components of reproductively dominant honey bee workers have both primer and releaser effects on subordinate workers. Apidologie, 2019, 50, 173-182.	2.0	6
9	ASSAf: Putting the â€˜Statement on Ethical Research and Scholarly Publishing Practicesâ€™ into practice. South African Journal of Science, 2019, 115, .	0.7	0
10	Control of mandibular gland pheromone synthesis by alternative splicing of the CP-2 transcription factor gemini in honeybees (Apis mellifera carnica). Apidologie, 2018, 49, 450-458.	2.0	6
11	Turning workers into false queensâ€“ the role of exogenous pheromones in regulating reproduction in worker honey bees. Journal of Experimental Biology, 2018, 221, .	1.7	5
12	Reproductive parasitism by worker honey bees suppressed by queens through regulation of worker mandibular secretions. Scientific Reports, 2018, 8, 7701.	3.3	12
13	Glandular sources of pheromones used to control host workers (Apis mellifera scutellata) by socially parasitic workers of Apis mellifera capensis. Journal of Insect Physiology, 2017, 102, 42-49.	2.0	14
14	Risks and benefits of the biological interface between managed and wild bee pollinators. Functional Ecology, 2017, 31, 47-55.	3.6	38
15	essence of scholarship: Charting a path through the thickets of scholarly publishing. South African Journal of Science, 2016, 112, 2.	0.7	0
16	Finding an influential voice for academies in Africa. South African Journal of Science, 2016, 112, 2.	0.7	0
17	Resistance rather than tolerance explains survival of savannah honeybees (Apis mellifera) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 374-387.	1.5	34
18	Hitâ€andâ€run trophallaxis of small hive beetles. Ecology and Evolution, 2015, 5, 5478-5486.	1.9	11

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19	Murray S. Blum. American Entomologist, 2015, 61, 195-196.	0.2	0
20	Effects of age and Reproductive Status on Tergal Gland Secretions in Queenless Honey bee Workers, Apis mellifera scutellata and A. m. capensis. Journal of Chemical Ecology, 2015, 41, 896-903.	1.8	20
21	Mandibular gland pheromone contents in workers and queens of Apis mellifera adansonii. Apidologie, 2015, 46, 559-572.	2.0	22
22	Impact of Varroa destructor on honeybee (Apis mellifera scutellata) colony development in South Africa. Experimental and Applied Acarology, 2015, 65, 89-106.	1.6	28
23	Olfactory detection of prey by the termite-raiding antPachycondyla analis. Journal of Insect Science, 2014, 14, 53.	1.5	5
24	Infestation rates of Varroa destructor and Braula coeca in the savannah honey bee (Apis mellifera scutellata). Journal of Apicultural Research, 2014, 53, 475-477.	1.5	13
25	A survey of managed honey bee colony losses in the Republic of South Africaâ€“2009 to 2011. Journal of Apicultural Research, 2014, 53, 35-42.	1.5	109
26	Prey choice and raiding behaviour of the Ponerine antPachycondyla analis(Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	0.5	18
27	Seasonal prevalence of pathogens and parasites in the savannah honeybee (Apis mellifera scutellata). Journal of Invertebrate Pathology, 2013, 114, 45-52.	3.2	73
28	Wingless and intermorphic males in the ant Cardiocondyla venustula. Insectes Sociaux, 2013, 60, 43-48.	1.2	11
29	Reproductive Biology of the Cape Honeybee: A Critique of Beekman et al.: A critique of "Asexually Produced Cape Honeybee Queens (Apis mellifera capensis) Reproduce Sexually," authors: Madeleine Beekman, Michael H. Allsopp, Julianne Lim, Frances Goudie, and Benjamin P. Oldroyd. Journal of Heredity. 2011;102(5):562-566. Journal of Heredity, 2012, 103, 612-614.	2.4	5
30	A scientific note on the lack of effect of mandible ablation on the synthesis of royal scent by honeybee queens. Apidologie, 2012, 43, 471-473.	2.0	2
31	Reproductive division of labour and thelytoky result in sympatric barriers to gene flow in honeybees (Apis melliferaL.). Journal of Evolutionary Biology, 2011, 24, 286-294.	1.7	14
32	Pheromone-mediated reproductive dominance hierarchies among pseudo-clonal honeybee workers (Apis mellifera capensis). Apidologie, 2011, 42, 659-668.	2.0	5
33	Alternative splicing of a single transcription factor drives selfish reproductive behavior in honeybee workers (Apis mellifera). Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15282-15287.	7.1	79
34	Brood comb as a humidity buffer in honeybee nests. Die Naturwissenschaften, 2010, 97, 429-433.	1.6	15
35	Nestmate Recognition and the Role of Cuticular Hydrocarbons in the African Termite Raiding Ant Pachycondyla analis. Journal of Chemical Ecology, 2010, 36, 441-448.	1.8	28
36	Variation in and Responses to Brood Pheromone of the Honey Bee (APIS mellifera L.). Journal of Chemical Ecology, 2010, 36, 432-440.	1.8	16

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37	Estimating the Density of Honeybee Colonies across Their Natural Range to Fill the Gap in Pollinator Decline Censuses. Conservation Biology, 2010, 24, 583-593.	4.7	128
38	Pheromonal predisposition to social parasitism in the honeybee Apis mellifera capensis. Behavioral Ecology, 2010, 21, 1221-1226.	2.2	22
39	Convergence of carbohydrate-biased intake targets in caged worker honeybees fed different protein sources. Journal of Experimental Biology, 2010, 213, 3311-3318.	1.7	110
40	The First Report of Storage Mites,Caloglyphus hughesi(Acaridae) on Laboratory-RearedAethina tumidaMurray (Coleoptera: Nitidulidae) in South Africa. African Entomology, 2010, 18, 379-382.	0.6	7
41	Worker reproduction in mixed-species colonies of honey bees. Behavioral Ecology, 2009, 20, 1106-1110.	2.2	25
42	Temporal variation in the genetic structure of a drone congregation area: an insight into the population dynamics of wild African honeybees (Apis mellifera scutellata). Molecular Ecology, 2009, 18, 1511-1522.	3.9	37
43	Is there a need for conservation of honeybees in Africa?. Apidologie, 2009, 40, 285-295.	2.0	91
44	Proximity to a forest leads to higher honey yield: Another reason to conserve. Biological Conservation, 2009, 142, 2703-2709.	4.1	63
45	Determining colony densities in wild honeybee populations (Apis mellifera) with linked microsatellite DNA markers. Journal of Insect Conservation, 2008, 12, 455-459.	1.4	33
46	The role of the queen mandibular gland pheromone in honeybees (Apis mellifera): honest signal or suppressive agent?. Behavioral Ecology and Sociobiology, 2008, 62, 1523-1531.	1.4	63
47	Hygropreference and brood care in the honeybee (Apis mellifera). Journal of Insect Physiology, 2008, 54, 1516-1521.	2.0	27
48	Self Assessment in Insects: Honeybee Queens Know Their Own Strength. PLoS ONE, 2008, 3, e1412.	2.5	25
49	Control of reproductive dominance by the thelytoky gene in honeybees. Biology Letters, 2007, 3, 292-295.	2.3	77
50	Pheromonal dominance and the selection of a socially parasitic honeybee worker lineage (Apis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	1.7	33
51	The size of wild honeybee populations (Apis mellifera) and its implications for the conservation of honeybees. Journal of Insect Conservation, 2007, 11, 391-397.	1.4	93
52	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
53	Individual versus social pathway to honeybee worker reproduction (Apis mellifera): pollen or jelly as protein source for oogenesis?. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2006, 192, 761-768.	1.6	49
54	Social parasitism by honeybee workers (Apis mellifera capensis Esch.): evidence for pheromonal resistance to host queenâ€™s signals. Behavioral Ecology and Sociobiology, 2006, 60, 785-793.	1.4	29

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55	Human Factors Facilitating the Spread of a Parasitic Honey Bee in South Africa. Journal of Economic Entomology, 2006, 99, 7-13.	1.8	17
56	Infestation levels ofApis mellifera scutellataswarms by socially parasitic Cape honeybee workers (Apis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.0	21
57	Human Factors Facilitating the Spread of a Parasitic Honey Bee in South Africa. Journal of Economic Entomology, 2006, 99, 7-13.	1.8	10
58	Reproductive dominance among honeybee workers in experimental groups of Apis mellifera capensis. Apidologie, 2005, 36, 413-419.	2.0	17
59	Fertility signalling and reproductive skew in queenless ants. Animal Behaviour, 2004, 68, 1209-1219.	1.9	83
60	Trapping pheromonal components with silicone rubber tubes: fatty acid secretions in honeybees (Apis) Tj ETQq0 0 0 rgBT /Overlock 10	1.1	10
61	Honeybee workers (Apis mellifera capensis) compete for producing queenâ€˜like pheromone signals. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S98-100.	2.6	50
62	Lethal fighting between honeybee queens and parasitic workers (Apis mellifera). Die Naturwissenschaften, 2003, 90, 378-381.	1.6	18
63	Mimicry of queen Dufour's gland secretions by workers of Apis mellifera scutellata and A. m. capensis. Die Naturwissenschaften, 2002, 89, 561-564.	1.6	28
64	Queen avoidance and mandibular gland secretion of honeybee workers (Apis mellifera L.). Insectes Sociaux, 2002, 49, 86-91.	1.2	27
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	Attraction and Repellence of Workers by the Honeybee Queen (Apis mellifera L.). Ethology, 2001, 107, 465-477.	1.1	16
67	The ontogenetic pattern of mandibular gland components in queenless worker bees (Apis mellifera) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	44
68	Pheromonal contest between honeybee workers (Apis mellifera capensis). Die Naturwissenschaften, 2000, 87, 395-397.	1.6	72
69	Evolution of extreme polyandry: an estimate of mating frequency in two African honeybee subspecies, Apis mellifera monticola and A.m. scutellata. Insectes Sociaux, 2000, 47, 364-370.	1.2	29
70	Intracolonial demography of the mound-building termite Macrotermes natalensis (Haviland) (Isoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.2	29
71	How queen-like are the tergal glands in workers of Apis mellifera capensis and Apis mellifera scutellata?. Apidologie, 2000, 31, 55-66.	2.0	15
72	Clustering of related workers in the honeybee colony (Apis mellifera L.): adaptive process or inevitable pattern?. Apidologie, 2000, 31, 223-233.	2.0	6

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73	Behavioural response of drone honey bees, Apis mellifera carnica and Apis mellifera scutellata, to worker-produced pheromone components. Journal of Apicultural Research, 2000, 39, 149-154.	1.5	7
74	Honeybee queen tergal gland secretion affects ovarian development in caged workers. Apidologie, 1999, 30, 311-320.	2.0	48
75	Mass spectral identification of the tergal gland secretions of female castes of two African honey bee races (Apis mellifera). Journal of Apicultural Research, 1999, 38, 137-148.	1.5	32
76	Fecundity and the Behavioural Profile of Reproductive Workers in the Queenless Ant, Pachycondyla (=) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	5
77	The Releaser Effects of the Tergal Gland Secretion of Queen Honeybees (Apis mellifera). Journal of Insect Behavior, 1999, 12, 343-351.	0.7	34
78	The EAG Response Spectra of Workers and Drones to Queen Honeybee Mandibular Gland Components: The Evolution of a Social Signal. Die Naturwissenschaften, 1998, 85, 283-285.	1.6	51
79	Morphometric analysis of 2 southern African races of honeybee. Apidologie, 1994, 25, 61-70.	2.0	24
80	Reproduction and division of labour inLeptogenys schwabiForel (Hymenoptera Formicidae), a polygynous, queenless ponerine ant. Ethology Ecology and Evolution, 1994, 6, 507-517.	1.4	11
81	Field study on the foraging characteristics of a ponerine ant,Hagensia havilandi Forel. Insectes Sociaux, 1994, 41, 85-98.	1.2	10
82	Group hunting in a ponerine ant, Leptogenys nitida Smith. Oecologia, 1994, 97, 118-123.	2.0	21
83	Respiratory Gas Exchange in the Tick Amblyomma hebraeum (Acari: Ixodidae). Journal of Medical Entomology, 1994, 31, 30-35.	1.8	18
84	Evolutionary trends in the reproductive biology of ponerine ants (Hymenoptera: Formicidae). Journal of Natural History, 1991, 25, 1603-1610.	0.5	25
85	Portrait of the Cape honeybee, Apis mellifera capensis. Apidologie, 1991, 22, 567-580.	2.0	72
86	Chemical camouflage of the death's head hawkmoth (Acherontia atropos L.) in honeybee colonies. Die Naturwissenschaften, 1991, 78, 179-182.	1.6	44
87	The volatile emission of honeybee queens (Apis mellifera L). Apidologie, 1991, 22, 205-212.	2.0	15
88	Differentiation in Reproductive Physiology and Behaviour During the Development of Laying Worker Honey Bees. , 1990, , 231-243.		33
89	Variation in the Components of Head Extracts of Workers and Queens of Apis mellifera intermissa Buttel-Reepen. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1989, 44, 590-596.	1.4	10
90	Mating behavior and dispersal inPaltothyreus tarsatus Fabr. (Hymenoptera: Formicidae). Journal of Insect Behavior, 1989, 2, 413-417.	0.7	13

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91	Air ventilation in nests of two African stingless beesTrigona denoiti andTrigona gribodoi. Experientia, 1988, 44, 1024-1027.	1.2	24
92	Gamergate number and control over reproduction inPachycondyla krugeri (Hymenoptera: Formicidae). Insectes Sociaux, 1988, 35, 217-225.	1.2	26
93	Defensive behaviour and the division of labour in the African honeybee (Apis mellifera scutettata). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1988, 163, 401-411.	1.6	14
94	Chemical signals of queens in kin recognition of honeybees,Apis mellifera L.. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1988, 164, 83-89.	1.6	25
95	REACTION OF HONEYBEE WORKERS (APIS MELLIFERA L.) TO FATTY ACIDS IN QUEEN SIGNALS. Apidologie, 1988, 19, 333-342.	2.0	4
96	MORPHOMETRIC DIFFERENCES BETWEEN SOUTH AMERICAN AFRICANIZED AND SOUTH AFRICAN (APIS) Tj ETQq0 0 0 rgBT /Overlock 1	2.0	30
97	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
98	Male Biology in the Queenless Ponerine Ant Ophthalmopone Berthoudi (Hymenoptera: Formicidae). Psyche: Journal of Entomology, 1986, 93, 277-284.	0.9	14
99	Chemical mate recognition and release of male sexual behavior in polybiine wasp,Belonogaster petiolata (Degeer) (Hymenoptera: Vespidae). Journal of Chemical Ecology, 1986, 12, 773-779.	1.8	17
100	Insemination controls the reproductive division of labour in a ponerine ant. Die Naturwissenschaften, 1984, 71, 50-51.	1.6	89
101	Mandibular Gland Secretions of the Old World Stingless Bee,Trigona GribodoiMagretti: Isolation, Identification, and Compositional Changes with Age. Journal of Apicultural Research, 1982, 21, 65-73.	1.5	9
102	False queens: A consequence of mandibular gland signals in worker honeybees. Die Naturwissenschaften, 1980, 67, 467-469.	1.6	154
103	Oecophylla silk: Functional adaptation in a biopolymer. Die Naturwissenschaften, 1979, 66, 57-58.	1.6	12
104	Chemical constituents of the chest gland secretion of the thick-tailed galago (Galago) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (cras	1.8	23
105	Production of Pheromones by Workers of Apis Mellifera Adansonii. Journal of Apicultural Research, 1976, 15, 149-154.	1.5	26
106	Constituents of the venom of a south african fire ant (solenopsis punctaticeps). Tetrahedron, 1976, 32, 2275-2279.	1.9	79
107	Pygidial defensive secretions of some carabid beetles. Insect Biochemistry, 1975, 5, 805-811.	1.8	19
108	Pheromone biosynthesis: The formation of sulphides by the ant Paltothyreus tarsatus. Insect Biochemistry, 1975, 5, 839-843.	1.8	12

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109	Biosynthesis of alkyl sulphides by an ant. Nature, 1975, 254, 448-449.	27.8	9
110	Alarm pheromones of the Attini: Their phylogenetic significance. Journal of Insect Physiology, 1972, 18, 31-42.	2.0	46
111	Alarm pheromones in the genus Manica derived from the mandibular gland. Journal of Insect Physiology, 1972, 18, 1077-1088.	2.0	74
112	Defensive Secretion of Lomechusa strumosa, a Myrmecophilous Beetle1,2. Annals of the Entomological Society of America, 1971, 64, 975-976.	2.5	20
113	6-Methyl-5-hepten-2-one. Chemotaxonomic Significance in an Iridomyrmex sp. (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 1	2.5	17
114	Identification of the alarm pheromones of the ant Myrmica brevinodis. Journal of Insect Physiology, 1970, 16, 141-146.	2.0	34
115	Citral in stingles bees: Isolation and functions in trail-laying and robbing. Journal of Insect Physiology, 1970, 16, 1637-1648.	2.0	82
116	The interplay of intracolonial genotypic variance and self-organisation of dominance hierarchies in honeybees. , 0, , 36-49.		2