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	False queens: A consequence of mandibular gland signals in worker honeybees. Die Naturwissenschaften, 1980, 67, 467-469.	1.6	154
2	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
3	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
4	The Conservation of Native Honey Bees Is Crucial. Trends in Ecology and Evolution, 2019, 34, 789-798.	8.7	110
5	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
6	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
7	Is there a need for conservation of honeybees in Africa?. Apidologie, 2009, 40, 285-295.	2.0	91
8	Insemination controls the reproductive division of labour in a ponerine ant. Die Naturwissenschaften, 1984, 71, 50-51.	1.6	89
9	Fertility signalling and reproductive skew in queenless ants. Animal Behaviour, 2004, 68, 1209-1219.	1.9	83
10	Citral in stingles bees: Isolation and functions in trail-laying and robbing. Journal of Insect Physiology, 1970, 16, 1637-1648.	2.0	82
11	Constituents of the venom of a south african fire ant (solenopsis punctaticeps). Tetrahedron, 1976, 32, 2275-2279.	1.9	79
12	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
13	Control of reproductive dominance by the thelytoky gene in honeybees. Biology Letters, 2007, 3, 292-295.	2.3	77
14	Alarm pheromones in the genus Manica derived from the mandibular gland. Journal of Insect Physiology, 1972, 18, 1077-1088.	2.0	74
15	Seasonal prevalence of pathogens and parasites in the savannah honeybee (Apis mellifera scutellata). Journal of Invertebrate Pathology, 2013, 114, 45-52.	3.2	73
16	Portrait of the Cape honeybee, Apis mellifera capensis. Apidologie, 1991, 22, 567-580.	2.0	72
17	Pheromonal contest between honeybee workers (Apis mellifera capensis). Die Naturwissenschaften, 2000, 87, 395-397.	1.6	72
18	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

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19	Proximity to a forest leads to higher honey yield: Another reason to conserve. Biological Conservation, 2009, 142, 2703-2709.	4.1	63
20	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
21	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
22	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
23	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
24	Honeybee queen tergal gland secretion affects ovarian development in caged workers. Apidologie, 1999, 30, 311-320.	2.0	48
25	Alarm pheromones of the Attini: Their phylogenetic significance. Journal of Insect Physiology, 1972, 18, 31-42.	2.0	46
26	Chemical camouflage of the death's head hawkmoth (Acherontia atropos L.) in honeybee colonies. Die Naturwissenschaften, 1991, 78, 179-182.	1.6	44
27	The ontogenetic pattern of mandibular gland components in queenless worker bees (Apis mellifera) Tj ETQq1 1 0.784314 rgBT /Overl	2.0	44
28	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
29	Risks and benefits of the biological interface between managed and wild bee pollinators. Functional Ecology, 2017, 31, 47-55.	3.6	38
30	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
31	Identification of the alarm pheromones of the ant Myrmica brevinodis. Journal of Insect Physiology, 1970, 16, 141-146.	2.0	34
32	The Releaser Effects of the Tergal Gland Secretion of Queen Honeybees (Apis mellifera). Journal of Insect Behavior, 1999, 12, 343-351.	0.7	34
33	Resistance rather than tolerance explains survival of savannah honeybees (Apis mellifera) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 374-387.	1.5	34
34	Pheromonal dominance and the selection of a socially parasitic honeybee worker lineage (Apis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.7	33
35	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
36	Differentiation in Reproductive Physiology and Behaviour During the Development of Laying Worker Honey Bees. , 1990, , 231-243.		33

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37	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
38	MORPHOMETRIC DIFFERENCES BETWEEN SOUTH AMERICAN AFRICANIZED AND SOUTH AFRICAN (APIS) Tj ETQq0 0 0 rgBT /Overlock 1	2.0	30
39	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
40	Intracolonial demography of the mound-building termite Macrotermes natalensis (Haviland) (Isoptera,) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.2	29
41	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
42	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
43	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
44	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
45	Queen avoidance and mandibular gland secretion of honeybee workers (Apis mellifera L.). Insectes Sociaux, 2002, 49, 86-91.	1.2	27
46	Hygropreference and brood care in the honeybee (Apis mellifera). Journal of Insect Physiology, 2008, 54, 1516-1521.	2.0	27
47	Production of Pheromones by Workers of Apis Mellifera Adansonii. Journal of Apicultural Research, 1976, 15, 149-154.	1.5	26
48	Gamergate number and control over reproduction inPachycondyla krugeri (Hymenoptera: Formicidae). Insectes Sociaux, 1988, 35, 217-225.	1.2	26
49	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
50	Evolutionary trends in the reproductive biology of ponerine ants (Hymenoptera: Formicidae). Journal of Natural History, 1991, 25, 1603-1610.	0.5	25
51	Worker reproduction in mixed-species colonies of honey bees. Behavioral Ecology, 2009, 20, 1106-1110.	2.2	25
52	Self Assessment in Insects: Honeybee Queens Know Their Own Strength. PLoS ONE, 2008, 3, e1412.	2.5	25
53	Air ventilation in nests of two African stingless beesTrigona denoiti andTrigona gribodoi. Experientia, 1988, 44, 1024-1027.	1.2	24
54	Morphometric analysis of 2 southern African races of honeybee. Apidologie, 1994, 25, 61-70.	2.0	24

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55	Chemical constituents of the chest gland secretion of the thick-tailed galago (Galago) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.8	23
56	Pheromonal predisposition to social parasitism in the honeybee Apis mellifera capensis. Behavioral Ecology, 2010, 21, 1221-1226.	2.2	22
57	Mandibular gland pheromone contents in workers and queens of Apis mellifera adansonii. Apidologie, 2015, 46, 559-572.	2.0	22
58	Group hunting in a ponerine ant, Leptogenys nitida Smith. Oecologia, 1994, 97, 118-123.	2.0	21
59	Infestation levels ofApis mellifera scutellataswarms by socially parasitic Cape honeybee workers (Apis) Tj ETQq1 1 0.784314 rgBT /Over	2.0	21
60	Defensive Secretion of Lomechusa strumosa, a Myrmecophilous Beetle1,2. Annals of the Entomological Society of America, 1971, 64, 975-976.	2.5	20
61	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
62	Pygidial defensive secretions of some carabid beetles. Insect Biochemistry, 1975, 5, 805-811.	1.8	19
63	Respiratory Gas Exchange in the Tick Amblyomma hebraeum (Acari: Ixodidae). Journal of Medical Entomology, 1994, 31, 30-35.	1.8	18
64	Lethal fighting between honeybee queens and parasitic workers (Apis mellifera). Die Naturwissenschaften, 2003, 90, 378-381.	1.6	18
65	Prey choice and raiding behaviour of the Ponerine antPachycondyla analis(Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	18
66	6-Methyl-5-hepten-2-one. Chemotaxonomic Significance in an Iridomyrmex sp. (Hymenoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	2.5	17
67	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
68	Human Factors Facilitating the Spread of a Parasitic Honey Bee in South Africa. Journal of Economic Entomology, 2006, 99, 7-13.	1.8	17
69	Reproductive dominance among honeybee workers in experimental groups of Apis mellifera capensis. Apidologie, 2005, 36, 413-419.	2.0	17
70	Attraction and Repellence of Workers by the Honeybee Queen (Apis mellifera L.). Ethology, 2001, 107, 465-477.	1.1	16
71	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
72	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

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73	Brood comb as a humidity buffer in honeybee nests. Die Naturwissenschaften, 2010, 97, 429-433.	1.6	15
74	The volatile emission of honeybee queens (Apis mellifera L). Apidologie, 1991, 22, 205-212.	2.0	15
75	Male Biology in the Queenless Ponerine Ant Ophthalmopone Berthoudi (Hymenoptera: Formicidae). Psyche: Journal of Entomology, 1986, 93, 277-284.	0.9	14
76	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
77	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
78	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
79	Mating behavior and dispersal inPaltothyreus tarsatus Fabr. (Hymenoptera: Formicidae). Journal of Insect Behavior, 1989, 2, 413-417.	0.7	13
80	Reproductive division of labour without dominance interactions in the queenless ponerine ant Pachycondyla (=Ophthalmopone) berthoudi. Insectes Sociaux, 2001, 48, 67-73.	1.2	13
81	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
82	Pheromone biosynthesis: The formation of sulphides by the ant Paltothyreus tarsatus. Insect Biochemistry, 1975, 5, 839-843.	1.8	12
83	Oecophylla silk: Functional adaptation in a biopolymer. Die Naturwissenschaften, 1979, 66, 57-58.	1.6	12
84	Reproductive parasitism by worker honey bees suppressed by queens through regulation of worker mandibular secretions. Scientific Reports, 2018, 8, 7701.	3.3	12
85	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
86	Wingless and intermorphic males in the ant Cardiocondyla venustula. Insectes Sociaux, 2013, 60, 43-48.	1.2	11
87	Hitâ€andâ€run trophallaxis of small hive beetles. Ecology and Evolution, 2015, 5, 5478-5486.	1.9	11
88	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
89	Field study on the foraging characteristics of a ponerine ant,Hagensia havilandi Forel. Insectes Sociaux, 1994, 41, 85-98.	1.2	10
90	Trapping pheromonal components with silicone rubber tubes: fatty acid secretions in honeybees (Apis) Tj ETQq0 0 0 rgBT /Overlock 10	1.1	10

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91	Human Factors Facilitating the Spread of a Parasitic Honey Bee in South Africa. Journal of Economic Entomology, 2006, 99, 7-13.	1.8	10
92	Biosynthesis of alkyl sulphides by an ant. Nature, 1975, 254, 448-449.	27.8	9
93	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
94	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
95	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
96	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
97	Clustering of related workers in the honeybee colony (Apis mellifera L.): adaptive process or inevitable pattern?. Apidologie, 2000, 31, 223-233.	2.0	6
98	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
99	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
100	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
101	Fecundity and the Behavioural Profile of Reproductive Workers in the Queenless Ant, Pachycondyla (=) Tj ETQq1 1 0.784314 rgBT /Ov	1.1	5
102	Pheromone-mediated reproductive dominance hierarchies among pseudo-clonal honeybee workers (Apis mellifera capensis). Apidologie, 2011, 42, 659-668.	2.0	5
103	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
104	Olfactory detection of prey by the termite-raiding antPachycondyla analis. Journal of Insect Science, 2014, 14, 53.	1.5	5
105	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
106	Pheromone communication in honey bees (Apis mellifera). , 2021, , 183-204.		4
107	REACTION OF HONEYBEE WORKERS (APIS MELLIFERA L.) TO FATTY ACIDS IN QUEEN SIGNALS. Apidologie, 1988, 19, 333-342.	2.0	4
108	Learning from Wild Honey Bees. Trends in Ecology and Evolution, 2019, 34, 967-968.	8.7	3

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109	The interplay of intracolonial genotypic variance and self-organisation of dominance hierarchies in honeybees. , 0, , 36-49.		2
110	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
111	Assuring the quality of scholarly South African journals: An experiment in journal peer review. South African Journal of Science, 2020, 116, .	0.7	2
112	Odor-Mediated Group Organization and Coordination in the Termite-Raiding Ant Megaponera analis (Mayr). Chemical Senses, 2020, 45, 635-644.	2.0	1
113	Murray S. Blum. American Entomologist, 2015, 61, 195-196.	0.2	0
114	essence of scholarship: Charting a path through the thickets of scholarly publishing. South African Journal of Science, 2016, 112, 2.	0.7	0
115	Finding an influential voice for academies in Africa. South African Journal of Science, 2016, 112, 2.	0.7	0
116	ASSAf: Putting the â€˜Statement on Ethical Research and Scholarly Publishing Practicesâ€™ into practice. South African Journal of Science, 2019, 115, .	0.7	0