

Abraham Hefetz

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

4,762
citations

37
h-index

62
g-index

146
ext. papers

5,342
ext. citations

3.1
avg, IF

5.5
L-index

#	Paper	IF	Citations
140	A Gland of Many Uses: a Diversity of Compounds in the Labial Glands of the Bumble Bee <i>Bombus impatiens</i> Suggests Multiple Signaling Functions.. <i>Journal of Chemical Ecology</i> , 2022 , 48, 270-282	2.7	0
139	Evidence That Artificial Light at Night Induces Structure-Specific Changes in Brain Plasticity in a Diurnal Bird. <i>Biomolecules</i> , 2021 , 11,	5.9	2
138	Effects of the Argentine ant venom on terrestrial amphibians. <i>Conservation Biology</i> , 2021 , 35, 216-226	6	2
137	Dufour's gland analysis reveals caste and physiology specific signals in <i>Bombus impatiens</i> . <i>Scientific Reports</i> , 2021 , 11, 2821	4.9	1
136	Worker demography and behavior in a supercolonial ant colony: The case of the desert ant <i>Cataglyphis niger</i> . <i>Ethology</i> , 2020 , 126, 59-67	1.7	1
135	The critical role of primer pheromones in maintaining insect sociality. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2019 , 74, 221-231	1.7	8
134	Evaluating the Effect of Honey Bee (<i>Apis mellifera</i>) Queen Reproductive State on Pheromone-Mediated Interactions with Male Drone Bees. <i>Journal of Chemical Ecology</i> , 2019 , 45, 588-597	2.7	1
133	The Interplay between Incipient Species and Social Polymorphism in the Desert Ant <i>Cataglyphis</i> . <i>Scientific Reports</i> , 2019 , 9, 9495	4.9	5
132	The cuticular hydrocarbon profiles of honey bee workers develop via a socially-modulated innate process. <i>ELife</i> , 2019 , 8,	8.9	11
131	Coordinated change at the colony level in fruit bat fur microbiomes through time. <i>Nature Ecology and Evolution</i> , 2019 , 3, 116-124	12.3	27
130	Origin and distribution of desert ants across the Gibraltar Straits. <i>Molecular Phylogenetics and Evolution</i> , 2018 , 118, 122-134	4.1	4
129	Evaluating the Role of Drone-Produced Chemical Signals in Mediating Social Interactions in Honey Bees (<i>Apis mellifera</i>). <i>Journal of Chemical Ecology</i> , 2018 , 44, 1-8	2.7	17
128	Determining social and population structures requires multiple approaches: A case study of the desert ant. <i>Ecology and Evolution</i> , 2018 , 8, 12365-12374	2.8	3
127	Within-colony genetic diversity differentially affects foraging, nest maintenance, and aggression in two species of harvester ants. <i>Scientific Reports</i> , 2018 , 8, 13868	4.9	5
126	Cytoneuclear incongruences hamper species delimitation in the socially polymorphic desert ants of the <i>Cataglyphis albicans</i> group in Israel. <i>Journal of Evolutionary Biology</i> , 2018 , 31, 1828-1842	2.3	3
125	New chemical data on the ant <i>Myrmecina graminicola</i> (Formicidae, Myrmicinae): Unusual abundance of alkene hydrocarbons and esters. <i>Biochemical Systematics and Ecology</i> , 2018 , 80, 39-42	1.4	1
124	Ants regulate colony spatial organization using multiple chemical road-signs. <i>Nature Communications</i> , 2017 , 8, 15414	17.4	21

123	Solitary bees reduce investment in communication compared with their social relatives. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6569-6574	11.5	38
122	Do Bumble Bee, <i>Bombus impatiens</i> , Queens Signal their Reproductive and Mating Status to their Workers?. <i>Journal of Chemical Ecology</i> , 2017 , 43, 563-572	2.7	17
121	Social Life in Arid Environments: The Case Study of <i>Cataglyphis</i> Ants. <i>Annual Review of Entomology</i> , 2017 , 62, 305-321	21.8	37
120	Hormonal Regulation of Behavioral and Phenotypic Plasticity in Bumblebees 2017 , 453-464		2
119	Chemical communication is not sufficient to explain reproductive inhibition in the bumblebee. <i>Royal Society Open Science</i> , 2016 , 3, 160576	3.3	33
118	Queen-produced volatiles change dynamically during reproductive swarming and are associated with changes in honey bee (<i>Apis mellifera</i>) worker behavior. <i>Apidologie</i> , 2015 , 46, 679-690	2.3	3
117	Murray S. Blum. <i>American Entomologist</i> , 2015 , 61, 195-196	0.6	
116	The Physiological and Genomic Bases of Bumble Bee Social Behaviour. <i>Advances in Insect Physiology</i> , 2015 , 48, 37-93	2.5	49
115	Genetic distance and age affect the cuticular chemical profiles of the clonal ant <i>Cerapachys biroi</i> . <i>Journal of Chemical Ecology</i> , 2014 , 40, 429-38	2.7	4
114	Exploring the role of juvenile hormone and vitellogenin in reproduction and social behavior in bumble bees. <i>BMC Evolutionary Biology</i> , 2014 , 14, 45	3	66
113	At the brink of supercoloniality: genetic, behavioral, and chemical assessments of population structure of the desert ant <i>Cataglyphis niger</i> . <i>Frontiers in Ecology and Evolution</i> , 2014 , 2,	3.7	12
112	Precocene-I inhibits juvenile hormone biosynthesis, ovarian activation, aggression and alters sterility signal production in bumble bee (<i>Bombus terrestris</i>) workers. <i>Journal of Experimental Biology</i> , 2014 , 217, 3178-85	3	29
111	The effect of caste and reproductive state on the chemistry of the cephalic labial glands secretion of <i>Bombus terrestris</i> . <i>Journal of Chemical Ecology</i> , 2014 , 40, 900-12	2.7	17
110	Feminization of pheromone-sensing neurons affects mating decisions in <i>Drosophila</i> males. <i>Biology Open</i> , 2014 , 3, 152-60	2.2	10
109	Distance from the queen affects workers' selfish behaviour in the honeybee (<i>A. mellifera</i>) colony. <i>Behavioral Ecology and Sociobiology</i> , 2014 , 68, 1693-1700	2.5	3
108	Neural Mechanisms and Information Processing in Recognition Systems. <i>Insects</i> , 2014 , 5, 722-41	2.8	23
107	Genomic analysis of the interactions between social environment and social communication systems in honey bees (<i>Apis mellifera</i>). <i>Insect Biochemistry and Molecular Biology</i> , 2014 , 47, 36-45	4.5	30
106	Gonadotropic and physiological functions of juvenile hormone in Bumblebee (<i>Bombus terrestris</i>) workers. <i>PLoS ONE</i> , 2014 , 9, e100650	3.7	48

105	A peaceful zone bordering two Argentine ant (<i>Linepithema humile</i>) supercolonies. <i>Chemoecology</i> , 2013 , 23, 213-218	2	4
104	Changes in diet, body mass and fatty acid composition during pre-hibernation in a subtropical bat in relation to NPY and AgRP expression. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2013 , 183, 157-66	2.2	29
103	Chemical integration of <i>Thorictus myrmecophilous</i> beetles into <i>Cataglyphis</i> ant nests. <i>Biochemical Systematics and Ecology</i> , 2013 , 51, 335-342	1.4	13
102	Virgin honeybee queens fail to suppress worker fertility but not fertility signalling. <i>Journal of Insect Physiology</i> , 2013 , 59, 311-7	2.4	5
101	Dufour's gland secretion, sterility and foraging behavior: correlated behavior traits in bumblebee workers. <i>Journal of Insect Physiology</i> , 2013 , 59, 1250-5	2.4	14
100	Recognition of caste and mating status maintains monogyny in the ant <i>Aphaenogaster senilis</i> . <i>Behavioral Ecology and Sociobiology</i> , 2013 , 67, 1295-1305	2.5	5
99	Chemical profiles of two pheromone glands are differentially regulated by distinct mating factors in honey bee queens (<i>Apis mellifera</i> L.). <i>PLoS ONE</i> , 2013 , 8, e78637	3.7	29
98	Effects of honey bee (<i>Apis mellifera</i> L.) queen insemination volume on worker behavior and physiology. <i>Journal of Insect Physiology</i> , 2012 , 58, 1082-9	2.4	27
97	The role of tyramine and octopamine in the regulation of reproduction in queenless worker honeybees. <i>Die Naturwissenschaften</i> , 2012 , 99, 123-31	2	13
96	Chemical discrimination and aggressiveness via cuticular hydrocarbons in a supercolony-forming ant, <i>Formica yessensis</i> . <i>PLoS ONE</i> , 2012 , 7, e46840	3.7	16
95	Interspecific displacement mechanisms by the invasive little fire ant <i>Wasmannia auropunctata</i> . <i>Biological Invasions</i> , 2012 , 14, 851-861	2.7	16
94	The effect of group size on the interplay between dominance and reproduction in <i>Bombus terrestris</i> . <i>PLoS ONE</i> , 2011 , 6, e18238	3.7	44
93	Trail-following behaviour in two <i>Aphaenogaster</i> ants. <i>Chemoecology</i> , 2011 , 21, 83-88	2	11
92	Commensal bacteria play a role in mating preference of <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20051-6	11.5	563
91	Intraspecific competition affects population size and resource allocation in an ant dispersing by colony fission. <i>Ecology</i> , 2010 , 91, 3312-21	4.6	24
90	The appeasement effect of sterility signaling in dominance contests among <i>Bombus terrestris</i> workers. <i>Behavioral Ecology and Sociobiology</i> , 2010 , 64, 1685-1694	2.5	45
89	Alteration of cuticular hydrocarbon composition affects heterospecific nestmate recognition in the carpenter ant <i>Camponotus fellah</i> . <i>Chemoecology</i> , 2010 , 20, 19-24	2	8
88	Regulation of reproduction in the primitively eusocial wasp <i>Ropalidia marginata</i> : on the trail of the queen pheromone. <i>Journal of Chemical Ecology</i> , 2010 , 36, 424-31	2.7	40

87	Invasion of the dwarf honeybee <i>Apis florea</i> into the near East. <i>Biological Invasions</i> , 2010 , 12, 1093-1099	2.7	23
86	The little fire ant <i>Wasmannia auropunctata</i> : a new invasive species in the Middle East and its impact on the local arthropod fauna. <i>Biological Invasions</i> , 2010 , 12, 1825-1837	2.7	31
85	Reproductive competition in the bumble-bee <i>Bombus terrestris</i> : do workers advertise sterility?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009 , 276, 1295-304	4.4	52
84	Uncoupling fertility from fertility-associated pheromones in worker honeybees (<i>Apis mellifera</i>). <i>Journal of Insect Physiology</i> , 2009 , 55, 205-9	2.4	12
83	The interplay between genetic and environmental effects on colony insularity in the clonal invasive little fire ant <i>Wasmannia auropunctata</i> . <i>Behavioral Ecology and Sociobiology</i> , 2009 , 63, 1667-1677	2.5	20
82	The gene road to royalty--differential expression of hydroxylating genes in the mandibular glands of the honeybee. <i>FEBS Journal</i> , 2009 , 276, 5481-90	5.7	34
81	Sex specificity in the anal gland secretion of the Egyptian mongoose <i>Herpestes ichneumon</i> . <i>Journal of Zoology</i> , 2009 , 203, 205-209	2	10
80	Chemotaxonomy of some <i>Cataglyphis</i> ants from Morocco and Burkina Faso. <i>Biochemical Systematics and Ecology</i> , 2008 , 36, 564-572	1.4	11
79	Nest volatiles as modulators of nestmate recognition in the ant <i>Camponotus fellah</i> . <i>Journal of Insect Physiology</i> , 2008 , 54, 378-85	2.4	12
78	Primer pheromones in social hymenoptera. <i>Annual Review of Entomology</i> , 2008 , 53, 523-42	21.8	300
77	Postmating changes in cuticular chemistry and visual appearance in <i>Ectatomma tuberculatum</i> queens (Formicidae: Ectatomminae). <i>Die Naturwissenschaften</i> , 2008 , 95, 55-60	2	23
76	Kin composition effects on reproductive competition among queenless honeybee workers. <i>Die Naturwissenschaften</i> , 2008 , 95, 427-32	2	6
75	Queen regulates biogenic amine level and nestmate recognition in workers of the fire ant, <i>Solenopsis invicta</i> . <i>Die Naturwissenschaften</i> , 2008 , 95, 1155-8	2	43
74	Intraspecific competition in the ant <i>Camponotus cruentatus</i> : should we expect the "dear enemy" effect?. <i>Animal Behaviour</i> , 2007 , 74, 985-993	2.8	38
73	Brain modulation of Dufour's gland ester biosynthesis in vitro in the honeybee (<i>Apis mellifera</i>). <i>Die Naturwissenschaften</i> , 2007 , 94, 407-11	2	9
72	Production of sexuals in a fission-performing ant: dual effects of queen pheromones and colony size. <i>Behavioral Ecology and Sociobiology</i> , 2007 , 61, 1531-1541	2.5	47
71	The origin of the chemical profiles of fungal symbionts and their significance for nestmate recognition in <i>Acromyrmex</i> leaf-cutting ants. <i>Behavioral Ecology and Sociobiology</i> , 2007 , 61, 1637-1649	2.5	37
70	Reproductive plasticity in bumblebee workers (<i>Bombus terrestris</i>)--reversion from fertility to sterility under queen influence. <i>Behavioral Ecology and Sociobiology</i> , 2007 , 62, 213-222	2.5	26

69	Social discrimination tuning in ants: template formation and chemical similarity. <i>Behavioral Ecology and Sociobiology</i> , 2006 , 59, 353-363	2.5	47
68	Regulation of worker reproduction in bumblebees (<i>Bombus terrestris</i>): workers eavesdrop on a queen signal. <i>Behavioral Ecology and Sociobiology</i> , 2006 , 60, 439-446	2.5	32
67	Reversible royalty in worker honeybees (<i>Apis mellifera</i>) under the queen influence. <i>Behavioral Ecology and Sociobiology</i> , 2006 , 61, 465-473	2.5	36
66	Co-evolution-driven cuticular hydrocarbon variation between the slave-making ant <i>Rossomyrmex minuchae</i> and its host <i>Proformica longisetata</i> (Hymenoptera: Formicidae). <i>Chemoecology</i> , 2006 , 16, 235-240	2.0	17
65	Alkaloids in the venom of Messor ants. <i>Biochemical Systematics and Ecology</i> , 2006 , 34, 199-204	1.4	5
64	Plasticity of worker reproductive strategies in <i>Bombus terrestris</i> : lessons from artificial mixed-species colonies. <i>Animal Behaviour</i> , 2006 , 72, 1417-1425	2.8	4
63	Dufour's gland secretion as a repellent used during usurpation by the slave-maker ant <i>Rossomyrmex minuchae</i> . <i>Journal of Insect Physiology</i> , 2005 , 51, 1158-64	2.4	20
62	Dufour's gland pheromone as a reliable fertility signal among honeybee (<i>Apis mellifera</i>) workers. <i>Behavioral Ecology and Sociobiology</i> , 2005 , 58, 270-276	2.5	37
61	Intercontinental chemical variation in the invasive ant <i>Wasmannia auropunctata</i> (Roger) (Hymenoptera Formicidae): a key to the invasive success of a tramp species. <i>Die Naturwissenschaften</i> , 2005 , 92, 319-23	2	45
60	In-nest environment modulates nestmate recognition in the ant <i>Camponotus fellah</i> . <i>Die Naturwissenschaften</i> , 2004 , 91, 186-90	2	17
59	Does the queen win it all? Queen-worker conflict over male production in the bumblebee, <i>Bombus terrestris</i> . <i>Die Naturwissenschaften</i> , 2004 , 91, 400-3	2	41
58	Food influence on colonial recognition and chemical signature between nestmates in the fungus-growing ant <i>Acromyrmex subterraneus subterraneus</i> . <i>Chemoecology</i> , 2004 , 14, 9-16	2	40
57	Ultrastructural and chemical characterization of egg surface of honeybee worker and queen-laid eggs. <i>Chemoecology</i> , 2003 , 13, 129-134	2	28
56	The comparative exocrine chemistry of nine Old World species of Messor (Formicidae: Myrmicinae). <i>Biochemical Systematics and Ecology</i> , 2003 , 31, 367-373	1.4	12
55	Colony insularity through queen control on worker social motivation in ants. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 971-7	4.4	29
54	Honeybees Dufour's gland - idiosyncrasy of a new queen signal. <i>Apidologie</i> , 2002 , 33, 525-537	2.3	35
53	Mimicry of queen Dufour's gland secretions by workers of <i>Apis mellifera scutellata</i> and <i>A. m. capensis</i> . <i>Die Naturwissenschaften</i> , 2002 , 89, 561-4	2	27
52	Evolution of worker sterility in honey bees: egg-laying workers express queen-like secretion in Dufour's gland. <i>Behavioral Ecology and Sociobiology</i> , 2002 , 51, 588-589	2.5	20

51	Trail pheromone of ponerine ant <i>Gnamptogenys striatula</i> : 4-methylgeranyl esters from Dufour's gland. <i>Journal of Chemical Ecology</i> , 2002 , 28, 2557-67	2.7	24
50	Identification of new homoterpene esters from Dufour's gland of the ponerine ant <i>Gnamptogenys striatula</i> . <i>Journal of Chemical Ecology</i> , 2002 , 28, 2541-55	2.7	10
49	NOTE: FINE STRUCTURE OF THE SECRETORY TUBULES OF THE VENOM GLAND IN THE EUMENID WASP RHYNCHIUM CYANOPTERUM. <i>Israel Journal of Zoology</i> , 2002 , 48, 83-86		
48	The front basitarsal brush in <i>Pachycondyla apicalis</i> and its role in hydrocarbon circulation. <i>Chemoecology</i> , 2001 , 11, 17-24	2	23
47	Dufour's gland secretion of the queen honeybee (<i>Apis mellifera</i>): an egg discriminator pheromone or a queen signal?. <i>Behavioral Ecology and Sociobiology</i> , 2001 , 51, 76-86	2.5	66
46	Are queen <i>Bombus terrestris</i> giant workers or are workers dwarf queens? Solving the 'chicken and egg' problem in a bumblebee species. <i>Die Naturwissenschaften</i> , 2001 , 88, 85-7	2	16
45	Task-related chemical analysis of labial gland volatile secretion in worker honeybees (<i>Apis mellifera ligustica</i>). <i>Journal of Chemical Ecology</i> , 2001 , 27, 919-26	2.7	17
44	Segregation of colony odor in the desert ant <i>Cataglyphis niger</i> . <i>Journal of Chemical Ecology</i> , 2001 , 27, 927-43	2.7	36
43	Comparative dynamics of gestalt odour formation in two ant species <i>Camponotus fellah</i> and <i>Aphaenogaster senilis</i> (Hymenoptera: Formicidae). <i>Physiological Entomology</i> , 2001 , 26, 275-283	1.9	44
42	Caste-specific differences in ecdysteroid titers in early larval stages of the bumblebee <i>Bombus terrestris</i> . <i>Journal of Insect Physiology</i> , 2000 , 46, 1433-1439	2.4	25
41	Juvenile hormone titers, juvenile hormone biosynthesis, ovarian development and social environment in <i>Bombus terrestris</i> . <i>Journal of Insect Physiology</i> , 2000 , 46, 47-57	2.4	115
40	Plasticity in caste-related exocrine secretion biosynthesis in the honey bee (<i>Apis mellifera</i>). <i>Journal of Insect Physiology</i> , 2000 , 46, 993-998	2.4	31
39	Ecdysteroid titer, ovary status, and dominance in adult worker and queen bumble bees (<i>Bombus terrestris</i>). <i>Journal of Insect Physiology</i> , 2000 , 46, 1033-1040	2.4	64
38	Hydrocarbon site of synthesis and circulation in the desert ant <i>Cataglyphis niger</i> . <i>Journal of Insect Physiology</i> , 2000 , 46, 1097-1102	2.4	46
37	<i>Camponotus fellah</i> colony integration: worker individuality necessitates frequent hydrocarbon exchanges. <i>Animal Behaviour</i> , 2000 , 59, 1127-1133	2.8	121
36	The critical period for caste determination in <i>Bombus terrestris</i> and its juvenile hormone correlates. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2000 , 186, 1089-94	2.3	42
35	Sneak in or repel your enemy: Dufour's gland repellent as a strategy for successful usurpation in the slave-maker <i>Polyergus rufescens</i> . <i>Chemoecology</i> , 2000 , 10, 135-142	2	52
34	Individuality and colonial identity in ants: the emergence of the social representation concept 1999 , 219-237		107

33	Reevaluation of the Role of Mandibular Glands in Regulation of Reproduction in Bumblebee Colonies. <i>Journal of Chemical Ecology</i> , 1999 , 25, 881-896	2.7	44
32	Trophallaxis Mediates Uniformity of Colony Odor in <i>Cataglyphis iberica</i> Ants (Hymenoptera, Formicidae). <i>Journal of Insect Behavior</i> , 1999 , 12, 559-567	1.1	36
31	Regulation of reproduction by dominant workers in bumblebee (<i>Bombus terrestris</i>) queenright colonies. <i>Behavioral Ecology and Sociobiology</i> , 1999 , 45, 125-135	2.5	87
30	Direct Behavioral Evidence for Hydrocarbons as Ant Recognition Discriminators. <i>Die Naturwissenschaften</i> , 1999 , 86, 246-249	2	267
29	Formation of Colony Odor in Ponerine Ant <i>Pachycondyla apicalis</i> . <i>Journal of Chemical Ecology</i> , 1998 , 24, 1077-1090	2.7	41
28	Nestmate recognition in the ant <i>Cataglyphis niger</i> : do queens matter?. <i>Behavioral Ecology and Sociobiology</i> , 1998 , 43, 203-212	2.5	37
27	Caste Determination in <i>Bombus terrestris</i> : Differences in Development and Rates of JH Biosynthesis between Queen and Worker Larvae. <i>Journal of Insect Physiology</i> , 1997 , 43, 373-381	2.4	49
26	The biosynthesis of Dufour's gland constituents in queens of the honeybee (<i>Apis mellifera</i>). <i>Invertebrate Neuroscience</i> , 1997 , 3, 239-243	1.2	37
25	The Exocrinology of the Queen Bumble Bee <i>Bombus terrestris</i> (Hymenoptera: Apidae, Bombini). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1996 , 51, 409-422	1.7	26
24	Effects of social conditions on Juvenile Hormone mediated reproductive development in <i>Bombus terrestris</i> workers. <i>Physiological Entomology</i> , 1996 , 21, 257-267	1.9	66
23	Social closure, aggressive behavior, and cuticular hydrocarbon profiles in the polydomous ant <i>Cataglyphis iberica</i> (hymenoptera, Formicidae). <i>Journal of Chemical Ecology</i> , 1996 , 22, 2173-86	2.7	44
22	Chemistry of the postpharyngeal gland secretion and its implication for the phylogeny of Iberian <i>Cataglyphis</i> species (Hymenoptera: Formicidae). <i>Chemoecology</i> , 1996 , 7, 163-171	2	24
21	Postpharyngeal gland secretion as a modifier of aggressive behavior in the myrmicine ant <i>Manica rubida</i> . <i>Journal of Insect Behavior</i> , 1996 , 9, 709-717	1.1	42
20	Hydrocarbon dynamics within and between nestmates in <i>Cataglyphis niger</i> (Hymenoptera: Formicidae). <i>Journal of Chemical Ecology</i> , 1995 , 21, 365-78	2.7	131
19	Hymenopteran exocrine secretions as a tool for chemosystematic analysis: Possibilities and constraints. <i>Biochemical Systematics and Ecology</i> , 1993 , 21, 163-169	1.4	6
18	Dufour's Gland Composition in the Desert Ant <i>Cataglyphis</i> : Species Specificity and Population Differences. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1992 , 47, 285-289	1.7	5
17	Individual scent marking of the nest entrance as a mechanism for nest recognition in <i>Xylocopa pubescens</i> (Hymenoptera: Anthophoridae). <i>Journal of Insect Behavior</i> , 1992 , 5, 763-772	1.1	20
16	Arrestment responses of <i>Eretmocerus</i> species and <i>Encarsia deserti</i> (Hymenoptera: Aphelinidae) to <i>Bemisia tabaci</i> honeydew. <i>Journal of Insect Behavior</i> , 1992 , 5, 517-526	1.1	16

15	Individual Badges and Specific Messages in Multicomponent Pheromones of Bees. <i>Entomologia Generalis</i> , 1990 , 15, 103-113	5.3	10
14	Ontogenetic Patterns in Amounts and Proportions of Dufour's Gland Volatile Secretions in Virgin and Nesting Queens of <i>Lasioglossum malachurum</i> (Hymenoptera: Halictidae). <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1990 , 45, 709-714	1.7	20
13	The significance of multicomponent pheromones in denoting specific compositions. <i>Biochemical Systematics and Ecology</i> , 1988 , 16, 557-566	1.4	8
12	The role of Dufour's gland secretions in bees. <i>Physiological Entomology</i> , 1987 , 12, 243-253	1.9	57
11	Species, individual and kin specific blends in Dufour's gland secretions of halictine bees : Chemical evidence. <i>Journal of Chemical Ecology</i> , 1986 , 12, 197-208	2.7	36
10	Structural and communicative functions of Dufour's gland secretion in <i>Eucera palestinae</i> (Hymenoptera; Anthophoridae). <i>Insect Biochemistry</i> , 1985 , 15, 635-638		25
9	Mandibular Gland Secretions as Alarm Pheromones in Two Species of the Desert Ant <i>Cataglyphis</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1985 , 40, 665-666	1.7	8
8	Role of labial glands in nesting behaviour of <i>Chalicodoma sicula</i> (Hymenoptera; Megachilidae). <i>Physiological Entomology</i> , 1984 , 9, 175-179	1.9	15
7	Function of secretion of mandibular gland of male in territorial behavior of <i>Xylocopa sulcatipes</i> (Hymenoptera: Anthophoridae). <i>Journal of Chemical Ecology</i> , 1983 , 9, 923-31	2.7	15
6	Identification of new components from anal glands of <i>Tapinoma simrothi pheonicium</i> . <i>Journal of Chemical Ecology</i> , 1983 , 9, 607-13	2.7	18
5	A comparative study of the exocrine products of cleptoparasitic bees (Holcopasites) and their hosts (Calliopsis) (Hymenoptera: Anthophoridae, Andrenidae). <i>Journal of Chemical Ecology</i> , 1982 , 8, 1389-97	2.7	28
4	Exocrine glands of <i>Polyrhachis simplex</i> : Chemistry and function. <i>Journal of Chemical Ecology</i> , 1982 , 8, 635-9	2.7	13
3	Chemistry of the mandibular gland secretion of the Indian bee <i>Pithitis smaragdula</i> . <i>Journal of Chemical Ecology</i> , 1979 , 5, 753-758	2.7	10
2	Chemistry of the Cephalic and Dufour's Gland Secretions of <i>Melissodes</i> Bees. <i>Annals of the Entomological Society of America</i> , 1979 , 72, 514-515	2	16
1	The payoffs and tradeoffs of hygienic behavior: a five year field study on a local population of honey bees. <i>Journal of Apicultural Research</i> , 1-10	2	