Gene E Robinson

List of Publications by Year
in descending order

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219 papers	23,148 citations	6254 80 h-index	10158 140 g-index
226 all docs	226 docs citations	226 times ranked	13376 citing authors

#	Article	IF	Citations
1	The Earth BioGenome Project 2020: Starting the clock. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	124
2	Why sequence all eukaryotes?. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	51
3	Epigenetic MRI: Noninvasive imaging of DNA methylation in the brain. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119891119.	7.1	3
4	Context-dependent influence of threat on honey bee social network dynamics and brain gene expression. Journal of Experimental Biology, 2022, 225, .	1.7	2
5	Behavioral genetics and genomics: Mendelâ€™s peas, mice, and bees. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
6	The rise and fall of the â€œwarrior geneâ€•defense. Science, 2021, 371, 1320-1320.	12.6	0
7	Neurodevelopmental and transcriptomic effects of CRISPR/Cas9-induced somatic orco mutation in honey bees. Journal of Neurogenetics, 2021, 35, 320-332.	1.4	23
8	Assessing Agrochemical Risk to Mated Honey Bee Queens. Journal of Visualized Experiments, 2021, , .	0.3	3
9	Transcriptomic analyses of black women in neighborhoods with high levels of violence. Psychoneuroendocrinology, 2021, 127, 105174.	2.7	11
10	Neural and Molecular Mechanisms of Biological Embedding of Social Interactions. Annual Review of Neuroscience, 2021, 44, 109-128.	10.7	12
11	Behavior-related gene regulatory networks: A new level of organization in the brain. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23270-23279.	7.1	52
12	Individual variations lead to universal and cross-species patterns of social behavior. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 31754-31759.	7.1	5
13	Juvenile hormone regulates brain-reproduction tradeoff in bumble bees but not in honey bees. Hormones and Behavior, 2020, 126, 104844.	2.1	18
14	Genes and environments, development and time. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23235-23241.	7.1	80
15	Genomic regions influencing aggressive behavior in honey bees are defined by colony allele frequencies. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 17135-17141.	7.1	24
16	Meta-analysis of honey bee neurogenomic response links Deformed wing virus type A to precocious behavioral maturation. Scientific Reports, 2020, 10, 3101.	3.3	35
17	Honey bee virus causes context-dependent changes in host social behavior. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 10406-10413.	7.1	61
18	Individual differences in honey bee behavior enabled by plasticity in brain gene regulatory networks. ELife, 2020, 9, .	6.0	27

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19	Involving Urban Single Low-Income African American Mothers in Genomic Research: Giving Voice to How Place Matters in Health Disparities and Prevention Strategies. , 2020, 4, .		1
20	Honey bee neurogenomic responses to affiliative and agonistic social interactions. Genes, Brain and Behavior, 2019, 18, e12509.	2.2	20
21	Crossâ€speciesâ€ systems analysis of evolutionary toolkits of neurogenomic response to social challenge. Genes, Brain and Behavior, 2019, 18, e12502.	2.2	30
22	Insights and opportunities in insect social behavior. Current Opinion in Insect Science, 2019, 34, ix-xx.	4.4	3
23	Valence of social information is encoded in different subpopulations of mushroom body Kenyon cells in the honeybee brain. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190901.	2.6	18
24	Division of labor in honey bees is associated with transcriptional regulatory plasticity in the brain. Journal of Experimental Biology, 2019, 222, .	1.7	15
25	A hybrid de novo genome assembly of the honeybee, Apis mellifera, with chromosome-length scaffolds. BMC Genomics, 2019, 20, 275.	2.8	171
26	Comparative Analysis of Brain and Fat Body Gene Splicing Patterns in the Honey Bee, Apis mellifera. G3: Genes, Genomes, Genetics, 2019, 9, 1055-1063.	1.8	5
27	Earth BioGenome Project: Sequencing life for the future of life. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4325-4333.	7.1	652
28	Automated monitoring of behavior reveals bursty interaction patterns and rapid spreading dynamics in honeybee social networks. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 1433-1438.	7.1	103
29	Genetic accommodation and the role of ancestral plasticity in the evolution of insect eusociality. Journal of Experimental Biology, 2018, 221, .	1.7	20
30	Quantifying the effects of pollen nutrition on honey bee queen egg laying with a new laboratory system. PLoS ONE, 2018, 13, e0203444.	2.5	30
31	Defense against territorial intrusion is associated with DNA methylation changes in the honey bee brain. BMC Genomics, 2018, 19, 216.	2.8	33
32	Caste-biased gene expression in a facultatively eusocial bee suggests a role for genetic accommodation in the evolution of eusociality. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20162228.	2.6	41
33	Epigenetics and the evolution of instincts. Science, 2017, 356, 26-27.	12.6	48
34	Deep evolutionary conservation of autism-related genes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9653-9658.	7.1	52
35	Nutritional Regulation of Phenotypic Plasticity in a Solitary Bee (Hymenoptera: Megachilidae). Environmental Entomology, 2017, 46, 1070-1079.	1.4	43
36	A soft selective sweep during rapid evolution of gentle behaviour in an Africanized honeybee. Nature Communications, 2017, 8, 1550.	12.8	33

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37	Transcriptomic analysis of instinctive and learned reward-related behaviors in honey bees. Journal of Experimental Biology, 2016, 219, 3554-3561.	1.7	17
38	Physiology of reproductive worker honey bees (Apis mellifera): insights for the development of the worker caste. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2016, 202, 147-158.	1.6	11
39	Conservation in Mammals of Genes Associated with Aggression-Related Behavioral Phenotypes in Honey Bees. PLoS Computational Biology, 2016, 12, e1004921.	3.2	14
40	Characterization of Genomic Variants Associated with Scout and Recruit Behavioral Castes in Honey Bees Using Whole-Genome Sequencing. PLoS ONE, 2016, 11, e0146430.	2.5	11
41	The energetic basis of behavior: bridging behavioral ecology and neuroscience. Current Opinion in Behavioral Sciences, 2015, 6, 19-27.	3.9	26
42	Early-life experience affects honey bee aggression and resilience to immune challenge. Scientific Reports, 2015, 5, 15572.	3.3	50
43	Insights into the Transcriptional Architecture of Behavioral Plasticity in the Honey Bee Apis mellifera. Scientific Reports, 2015, 5, 11136.	3.3	59
44	Laboratory Assay of Brood Care for Quantitative Analyses of Individual Differences in Honey Bee (Apis) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.5	17
45	Developmental Transcriptome for a Facultatively Eusocial Bee, Megalopta genalis. G3: Genes, Genomes, Genetics, 2015, 5, 2127-2135.	1.8	18
46	Dissecting diversity in the social brain. Science, 2015, 350, 1310-1312.	12.6	2
47	The genomes of two key bumblebee species with primitive eusocial organization. Genome Biology, 2015, 16, 76.	8.8	330
48	The power and promise of applying genomics to honey bee health. Current Opinion in Insect Science, 2015, 10, 124-132.	4.4	42
49	Genomic signatures of evolutionary transitions from solitary to group living. Science, 2015, 348, 1139-1143.	12.6	357
50	Diet and endocrine effects on behavioral maturation-related gene expression in the pars intercerebralis of the honey bee brain. Journal of Experimental Biology, 2015, 218, 4005-14.	1.7	17
51	Big Data: Astronomical or Genomical?. PLoS Biology, 2015, 13, e1002195.	5.6	995
52	Caste-Specific Differences in Hindgut Microbial Communities of Honey Bees (Apis mellifera). PLoS ONE, 2015, 10, e0123911.	2.5	108
53	Neuromolecular responses to social challenge: Common mechanisms across mouse, stickleback fish, and honey bee. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17929-17934.	7.1	141
54	Genomics: moving behavioural ecology beyond the phenotypic gambit. Animal Behaviour, 2014, 92, 263-270.	1.9	47

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55	Finding the missing honey bee genes: lessons learned from a genome upgrade. BMC Genomics, 2014, 15, 86.	2.8	375
56	Molecular heterochrony and the evolution of sociality in bumblebees (Bombus terrestris). Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132419.	2.6	39
57	Comparative brain transcriptomic analyses of scouting across distinct behavioural and ecological contexts in honeybees. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141868.	2.6	18
58	Comparing Reversal-Learning Abilities, Sucrose Responsiveness, and Foraging Experience Between Scout and Non-Scout Honey bee (Apis mellifera) Foragers. Journal of Insect Behavior, 2014, 27, 736-752.	0.7	12
59	Socially responsive effects of brain oxidative metabolism on aggression. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12533-12537.	7.1	103
60	Automated monitoring reveals extreme interindividual variation and plasticity in honeybee foraging activity levels. Animal Behaviour, 2014, 95, 41-48.	1.9	89
61	Diet-dependent gene expression in honey bees: honey vs. sucrose or high fructose corn syrup. Scientific Reports, 2014, 4, 5726.	3.3	67
62	Altruistic Behavior by Egg-Laying Worker Honeybees. Current Biology, 2013, 23, 1574-1578.	3.9	24
63	New Frontiers for Organismal Biology. BioScience, 2013, 63, 464-471.	4.9	30
64	Social regulation of maternal traits in nest-founding bumble bee (Bombus terrestris) queens. Journal of Experimental Biology, 2013, 216, 3474-3482.	1.7	29
65	Activity-dependent gene expression in honey bee mushroom bodies in response to orientation flight. Journal of Experimental Biology, 2013, 216, 2031-2038.	1.7	70
66	TrueSight: a new algorithm for splice junction detection using RNA-seq. Nucleic Acids Research, 2013, 41, e51-e51.	14.5	31
67	RNA interference knockdown of DNA methyl-transferase 3 affects gene alternative splicing in the honey bee. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12750-12755.	7.1	237
68	The Transcription Factor Ultraspiracle Influences Honey Bee Social Behavior and Behavior-Related Gene Expression. PLoS Genetics, 2012, 8, e1002596.	3.5	74
69	Toward a new biology of social adversity. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17143-17148.	7.1	101
70	Microarray Analysis of Natural Socially Regulated Plasticity in Circadian Rhythms of Honey Bees. Journal of Biological Rhythms, 2012, 27, 12-24.	2.6	49
71	New meta-analysis tools reveal common transcriptional regulatory basis for multiple determinants of behavior. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1801-10.	7.1	52
72	DNA methylation dynamics, metabolic fluxes, gene splicing, and alternative phenotypes in honey bees. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4968-4973.	7.1	312

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73	Understanding the Relationship Between Brain Gene Expression and Social Behavior: Lessons from the Honey Bee. Annual Review of Genetics, 2012, 46, 591-615.	7.6	166
74	Molecular Determinants of Scouting Behavior in Honey Bees. Science, 2012, 335, 1225-1228.	12.6	123
75	Transcriptional response to foraging experience in the honey bee mushroom bodies. Developmental Neurobiology, 2012, 72, 153-166.	3.0	36
76	Neurogenomic signatures of spatiotemporal memories in time-trained forager honey bees. Journal of Experimental Biology, 2011, 214, 979-987.	1.7	47
77	Creating a Buzz About Insect Genomes. Science, 2011, 331, 1386-1386.	12.6	185
78	Mechanisms of stable lipid loss in a social insect. Journal of Experimental Biology, 2011, 214, 3808-3821.	1.7	88
79	Kin selection and eusociality. Nature, 2011, 471, E5-E6.	27.8	71
80	Royal aspirations. Nature, 2011, 473, 454-455.	27.8	4
81	Muscarinic regulation of Kenyon cell dendritic arborizations in adult worker honey bees. Arthropod Structure and Development, 2011, 40, 409-419.	1.4	19
82	Genes involved in convergent evolution of eusociality in bees. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7472-7477.	7.1	199
83	Behavior and the Dynamic Genome. Science, 2011, 332, 1161-1162.	12.6	56
84	Behavior-specific changes in transcriptional modules lead to distinct and predictable neurogenomic states. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 18020-18025.	7.1	156
85	Nutritional regulation of division of labor in honey bees: toward a systems biology perspective. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 566-576.	6.6	100
86	Brain transcriptomic analysis in paper wasps identifies genes associated with behaviour across social insect lineages. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 2139-2148.	2.6	121
87	Functional Characterization of Transcription Factor Motifs Using Cross-species Comparison across Large Evolutionary Distances. PLoS Computational Biology, 2010, 6, e1000652.	3.2	28
88	Empowering 21st Century Biology. BioScience, 2010, 60, 923-930.	4.9	24
89	Transcriptomic Profiling of Central Nervous System Regions in Three Species of Honey Bee during Dance Communication Behavior. PLoS ONE, 2009, 4, e6408.	2.5	40
90	Changes in transcript abundance relating to colony collapse disorder in honey bees (<i>Apis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 T 106, 14790-14795.	7.1	196

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91	Quantitative peptidomics reveal brain peptide signatures of behavior. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2383-2388.	7.1	125
92	Honey bee aggression supports a link between gene regulation and behavioral evolution. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 15400-15405.	7.1	235
93	Coordinated responses to developmental hormones in the Kenyon cells of the adult worker honey bee brain (Apis mellifera L.). Journal of Insect Physiology, 2009, 55, 59-69.	2.0	43
94	Motif-Blind, Genome-Wide Discovery of cis-Regulatory Modules in Drosophila and Mouse. Developmental Cell, 2009, 17, 568-579.	7.0	60
95	Effects of cocaine on honey bee dance behaviour. Journal of Experimental Biology, 2009, 212, 163-168.	1.7	64
96	Modulatory Communication Signal Performance Is Associated with a Distinct Neurogenomic State in Honey Bees. PLoS ONE, 2009, 4, e6694.	2.5	14
97	The utility of behavioral models and modules in molecular analyses of social behavior. Genes, Brain and Behavior, 2008, 7, 257-265.	2.2	24
98	Genetic and genomic analyses of the division of labour in insect societies. Nature Reviews Genetics, 2008, 9, 735-748.	16.3	313
99	Social and nonsocial stimuli and juvenile hormone titer in a male burying beetle, Nicrophorus orbicollis. Journal of Insect Physiology, 2008, 54, 630-635.	2.0	25
100	Genes and Social Behavior. Science, 2008, 322, 896-900.	12.6	546
101	Insulin signaling is involved in the regulation of worker division of labor in honey bee colonies. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4226-4231.	7.1	289
102	Pilocarpine improves recognition of nestmates in young honey bees. Neuroscience Letters, 2008, 439, 178-181.	2.1	18
103	Central Projections of Sensory Systems Involved in Honey Bee Dance Language Communication. Brain, Behavior and Evolution, 2007, 70, 125-136.	1.7	55
104	Octopamine modulates honey bee dance behavior. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1703-1707.	7.1	139
105	Identification and Characterization of a Juvenile Hormone Response Element and Its Binding Proteins. Journal of Biological Chemistry, 2007, 282, 37605-37617.	3.4	103
106	Vitellogenin, juvenile hormone, insulin signaling, and queen honey bee longevity. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 7128-7133.	7.1	553
107	Roles ofDrosophila Kruppel-homolog 1 in neuronal morphogenesis. Developmental Neurobiology, 2007, 67, 1614-1626.	3.0	51
108	Species differences in brain gene expression profiles associated with adult behavioral maturation in honey bees. BMC Genomics, 2007, 8, 202.	2.8	43

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109	Evo-devo and the evolution of social behavior. Trends in Genetics, 2007, 23, 334-341.	6.7	278
110	Comparing injection, feeding and topical application methods for treatment of honeybees with octopamine. Journal of Insect Physiology, 2007, 53, 187-194.	2.0	86
111	Senescence in the worker honey bee Apis Mellifera. Journal of Insect Physiology, 2007, 53, 1027-1033.	2.0	72
112	Wasp Gene Expression Supports an Evolutionary Link Between Maternal Behavior and Eusociality. Science, 2007, 318, 441-444.	12.6	251
113	Endocrine modulation of a pheromone-responsive gene in the honey bee brain. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2007, 193, 461-470.	1.6	68
114	Alarm Pheromone Induces Immediateâ€“Early Gene Expression and Slow Behavioral Response in Honey Bees. Journal of Chemical Ecology, 2007, 33, 1346-1350.	1.8	70
115	Functional CpG Methylation System in a Social Insect. Science, 2006, 314, 645-647.	12.6	331
116	Nuclear receptors of the honey bee: annotation and expression in the adult brain. Insect Molecular Biology, 2006, 15, 583-595.	2.0	67
117	Stimulation of muscarinic receptors mimics experience-dependent plasticity in the honey bee brain. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 207-211.	7.1	88
118	From the Genome to the Proteome: Uncovering Peptides in the Apis Brain. Science, 2006, 314, 647-649.	12.6	309
119	Division of labor in the honey bee (Apis mellifera): the role of tyramine Î²-hydroxylase. Journal of Experimental Biology, 2006, 209, 2774-2784.	1.7	41
120	Genomic dissection of behavioral maturation in the honey bee. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16068-16075.	7.1	216
121	Genome scan for cis-regulatory DNA motifs associated with social behavior in honey bees. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 16352-16357.	7.1	52
122	Sociogenomics: social life in molecular terms. Nature Reviews Genetics, 2005, 6, 257-270.	16.3	398
123	Worker nutrition and division of labour in honeybees. Animal Behaviour, 2005, 69, 427-435.	1.9	258
124	Gene expression patterns associated with queen honey bee longevity. Mechanisms of Ageing and Development, 2005, 126, 1230-1238.	4.6	169
125	Collaborative distributed decision making for large scale disaster relief operations: Drawing analogies from robust natural systems. Complexity, 2005, 11, 28-38.	1.6	36
126	Selective modulation of task performance by octopamine in honey bee (Apis mellifera) division of labour. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2005, 191, 659-668.	1.6	55

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127	Candidate genes for behavioural ecology. Trends in Ecology and Evolution, 2005, 20, 96-104.	8.7	214
128	Nutritional status influences socially regulated foraging ontogeny in honey bees. Journal of Experimental Biology, 2005, 208, 4641-4649.	1.7	218
129	Comparisons of Juvenile Hormone Hemolymph and Octopamine Brain Titers in Honey Bees (Hymenoptera: Apidae) Selected for High and Low Pollen Hoarding. Annals of the Entomological Society of America, 2004, 97, 1313-1319.	2.5	32
130	Regulation of behavioral maturation by a primer pheromone produced by adult worker honey bees. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 17559-17564.	7.1	185
131	GENOMICS: Beyond Nature and Nurture. Science, 2004, 304, 397-399.	12.6	103
132	Phenotypic deconstruction reveals involvement of manganese transporter malvolio in honey bee division of labor. Journal of Experimental Biology, 2004, 207, 3281-3288.	1.7	108
133	Nutrition, hormones and life history in burying beetles. Journal of Insect Physiology, 2004, 50, 383-391.	2.0	54
134	Larval juvenile hormone treatment affects pre-adult development, but not adult age at onset of foraging in worker honey bees (Apis mellifera). Journal of Insect Physiology, 2003, 49, 359-366.	2.0	24
135	Patterns of PERIOD and pigmentâ€dispersing hormone immunoreactivity in the brain of the European honeybee (Apis mellifera): Ageâ€and timeâ€related plasticity. Journal of Comparative Neurology, 2003, 464, 269-284.	1.6	78
136	Biogenic amines in the antennal lobes and the initiation and maintenance of foraging behavior in honey bees. Journal of Neurobiology, 2003, 54, 406-416.	3.6	50
137	Juvenile hormone and division of labor in honey bee colonies: effects of allatectomy on flight behavior and metabolism. Journal of Experimental Biology, 2003, 206, 2287-2296.	1.7	62
138	Gene Expression Profiles in the Brain Predict Behavior in Individual Honey Bees. Science, 2003, 302, 296-299.	12.6	519
139	Genomics and Integrative Analyses of Division of Labor in Honeybee Colonies. American Naturalist, 2002, 160, S160-S172.	2.1	133
140	Annotated Expressed Sequence Tags and cDNA Microarrays for Studies of Brain and Behavior in the Honey Bee. Genome Research, 2002, 12, 555-566.	5.5	253
141	TheAnophelesGenome and Comparative Insect Genomics. Science, 2002, 298, 97-98.	12.6	26
142	DEVELOPMENT: Sociogenomics Takes Flight. Science, 2002, 297, 204-205.	12.6	31
143	A Role for Octopamine in Honey Bee Division of Labor. Brain, Behavior and Evolution, 2002, 60, 350-359.	1.7	119
144	Juvenile Hormone and Octopamine in the Regulation of Division of Labor in Honey Bee Colonies. Hormones and Behavior, 2002, 42, 222-231.	2.1	121

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145	Racial Differences in Division of Labor in Colonies of the Honey Bee (Apis mellifera). Ethology, 2002, 108, 115-126.	1.1	25
146	Behavioral Rhythmicity, Age, Division of Labor and period Expression in the Honey Bee Brain. Journal of Biological Rhythms, 2001, 16, 444-456.	2.6	136
147	Experience- and Age-Related Outgrowth of Intrinsic Neurons in the Mushroom Bodies of the Adult Worker Honeybee. Journal of Neuroscience, 2001, 21, 6395-6404.	3.6	268
148	Satiation differentially affects performance in a learning assay by nurse and forager honey bees. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2001, 187, 891-899.	1.6	41
149	Octopamine influences division of labor in honey bee colonies. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2001, 187, 53-61.	1.6	169
150	Task-related chemical analysis of labial gland volatile secretion in worker honeybees (Apis mellifera) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	20
151	Changes in Neuronal Acetylcholinesterase Gene Expression and Division of Labor in Honey Bee Colonies. Journal of Molecular Neuroscience, 2001, 17, 1-12.	2.3	71
152	Reversal of honeybee behavioural rhythms. Nature, 2001, 410, 1048-1048.	27.8	108
153	Juvenile hormone levels in honey bee (Apis mellifera L.) foragers: foraging experience and diurnal variation. Journal of Insect Physiology, 2001, 47, 1119-1125.	2.0	72
154	Ontogeny of orientation flight in the honeybee revealed by harmonic radar. Nature, 2000, 403, 537-540.	27.8	289
155	Organizational and activational effects of hormones on insect behavior. Journal of Insect Physiology, 2000, 46, 1509-1515.	2.0	41
156	Juvenile hormone titers, juvenile hormone biosynthesis, ovarian development and social environment in Bombus terrestris. Journal of Insect Physiology, 2000, 46, 47-57.	2.0	133
157	Juvenile hormone profiles of worker honey bees, Apis mellifera, during normal and accelerated behavioural development. Journal of Insect Physiology, 2000, 46, 243-249.	2.0	73
158	The critical period for caste determination in Bombus terrestris and its juvenile hormone correlates. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2000, 186, 1089-1094.	1.6	57
159	Juvenile Hormone Paces Behavioral Development in the Adult Worker Honey Bee. Hormones and Behavior, 2000, 37, 1-14.	2.1	196
160	Pheromones in Action. BioScience, 1999, 49, 154.	4.9	1
161	Neurochemicals aid bee nestmate recognition. Nature, 1999, 399, 534-535.	27.8	66
162	Integrative animal behaviour and sociogenomics. Trends in Ecology and Evolution, 1999, 14, 202-205.	8.7	76

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163	Timekeeping in the honey bee colony: integration of circadian rhythms and division of labor. Behavioral Ecology and Sociobiology, 1998, 43, 147-160.	1.4	120
164	Effects of colony food shortage on behavioral development in honey bees. Behavioral Ecology and Sociobiology, 1998, 42, 295-303.	1.4	195
165	Protein trophallaxis and the regulation of pollen foraging by honey bees (Apis mellifera L.). Apidologie, 1998, 29, 113-126.	2.0	78
166	Colony integration in honey bees: genetic, endocrine and social control of division of labor. Apidologie, 1998, 29, 159-170.	2.0	48
167	Experience-Expectant Plasticity in the Mushroom Bodies of the Honeybee. Learning and Memory, 1998, 5, 115-123.	1.3	124
168	From Society to Genes with the Honey Bee. American Scientist, 1998, 86, 456.	0.1	17
169	Foraging Behavior of Honey Bees (Hymenoptera: Apidae) on Brassica nigra and B. rapa Grown under Simulated Ambient and Enhanced Uv-B Radiation. Annals of the Entomological Society of America, 1997, 90, 102-106.	2.5	10
170	Expansion of the neuropil of the mushroom bodies in male honey bees is coincident with initiation of flight. Neuroscience Letters, 1997, 236, 135-138.	2.1	52
171	Caste Determination in Bombus terrestris: Differences in Development and Rates of JH Biosynthesis between Queen and Worker Larvae. Journal of Insect Physiology, 1997, 43, 373-381.	2.0	58
172	Division of labor between undertaker specialists and other middle-aged workers in honey bee colonies. Behavioral Ecology and Sociobiology, 1997, 41, 151-163.	1.4	73
173	Insect societies and the molecular biology of social behavior. BioEssays, 1997, 19, 1099-1108.	2.5	76
174	Juvenile hormone in adult eusocial hymenoptera: Gonadotropin and behavioral pacemaker. , 1997, 35, 559-583.		273
175	Learning and Task Interference by Corpseâ€removal Specialists in Honey Bee Colonies. Ethology, 1997, 103, 966-975.	1.1	37
176	Effects of social conditions on Juvenile Hormone mediated reproductive development in Bombus terrestris workers. Physiological Entomology, 1996, 21, 257-267.	1.5	79
177	Juvenile Hormone, Behavioral Maturation, and Brain Structure in the Honey Bee. Developmental Neuroscience, 1996, 18, 102-114.	2.0	118
178	Alarm pheromone perception in honey bees is decreased by smoke (Hymenoptera: Apidae). Journal of Insect Behavior, 1995, 8, 11-18.	0.7	19
179	Effects of worker genotypic diversity on honey bee colony development and behavior (Apis mellifera) Tj ETQq1 1 0.784314 rgBT /Ove	1.4	140
180	Rapid elevation of juvenile hormone titer during behavioral assessment of the breeding resource by the burying beetle, Nicrophorus orbicollis. Journal of Insect Physiology, 1995, 41, 535-543.	2.0	90

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181	Neurogenesis is absent in the brains of adult honey bees and does not explain behavioral neuroplasticity. Neuroscience Letters, 1995, 197, 145-148.	2.1	104
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