

Gene E Robinson

List of Publications by Year in descending order

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Version: 2024-02-01

219
papers

23,148
citations

6254

80
h-index

10157

140
g-index

226
all docs

226
docs citations

226
times ranked

13376
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Division of Labor in Insect Societies. <i>Annual Review of Entomology</i> , 1992, 37, 637-665.	11.8	1,043
2	Big Data: Astronomical or Genomical?. <i>PLoS Biology</i> , 2015, 13, e1002195.	5.6	995
3	Earth BioGenome Project: Sequencing life for the future of life. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4325-4333.	7.1	652
4	Vitellogenin, juvenile hormone, insulin signaling, and queen honey bee longevity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7128-7133.	7.1	553
5	Genes and Social Behavior. <i>Science</i> , 2008, 322, 896-900.	12.6	546
6	Gene Expression Profiles in the Brain Predict Behavior in Individual Honey Bees. <i>Science</i> , 2003, 302, 296-299.	12.6	519
7	Sociogenomics: social life in molecular terms. <i>Nature Reviews Genetics</i> , 2005, 6, 257-270.	16.3	398
8	Finding the missing honey bee genes: lessons learned from a genome upgrade. <i>BMC Genomics</i> , 2014, 15, 86.	2.8	375
9	Selective neuroanatomical plasticity and division of labour in the honeybee. <i>Nature</i> , 1993, 364, 238-240.	27.8	366
10	Genomic signatures of evolutionary transitions from solitary to group living. <i>Science</i> , 2015, 348, 1139-1143.	12.6	357
11	Functional CpG Methylation System in a Social Insect. <i>Science</i> , 2006, 314, 645-647.	12.6	331
12	The genomes of two key bumblebee species with primitive eusocial organization. <i>Genome Biology</i> , 2015, 16, 76.	8.8	330
13	Regulation of honey bee age polyethism by juvenile hormone. <i>Behavioral Ecology and Sociobiology</i> , 1987, 20, 329-338.	1.4	321
14	Genetic and genomic analyses of the division of labour in insect societies. <i>Nature Reviews Genetics</i> , 2008, 9, 735-748.	16.3	313
15	DNA methylation dynamics, metabolic fluxes, gene splicing, and alternative phenotypes in honey bees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4968-4973.	7.1	312
16	From the Genome to the Proteome: Uncovering Peptides in the Apis Brain. <i>Science</i> , 2006, 314, 647-649.	12.6	309
17	Ontogeny of orientation flight in the honeybee revealed by harmonic radar. <i>Nature</i> , 2000, 403, 537-540.	27.8	289
18	Insulin signaling is involved in the regulation of worker division of labor in honey bee colonies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4226-4231.	7.1	289

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19	Evo-devo and the evolution of social behavior. Trends in Genetics, 2007, 23, 334-341.	6.7	278
20	Juvenile hormone in adult eusocial hymenoptera: Gonadotropin and behavioral pacemaker. , 1997, 35, 559-583.		273
21	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
22	Genetic determination of guarding and undertaking in honey-bee colonies. Nature, 1988, 333, 356-358.	27.8	261
23	Worker nutrition and division of labour in honeybees. Animal Behaviour, 2005, 69, 427-435.	1.9	258
24	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
25	Wasp Gene Expression Supports an Evolutionary Link Between Maternal Behavior and Eusociality. Science, 2007, 318, 441-444.	12.6	251
26	RNA interference knockdown of <i>DNA methyl-transferase 3</i> 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
27	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
28	Nutritional status influences socially regulated foraging ontogeny in honey bees. Journal of Experimental Biology, 2005, 208, 4641-4649.	1.7	218
29	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
30	Candidate genes for behavioural ecology. Trends in Ecology and Evolution, 2005, 20, 96-104.	8.7	214
31	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
32	Juvenile Hormone Paces Behavioral Development in the Adult Worker Honey Bee. Hormones and Behavior, 2000, 37, 1-14.	2.1	196
33	Changes in transcript abundance relating to colony collapse disorder in honey bees (<i>Apis mellifera</i>). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 14790-14795.	7.1	196
34	Effects of colony food shortage on behavioral development in honey bees. Behavioral Ecology and Sociobiology, 1998, 42, 295-303.	1.4	195
35	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
36	Creating a Buzz About Insect Genomes. Science, 2011, 331, 1386-1386.	12.6	185

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37	The Genetics of Division of Labour in Honey Bee Colonies. <i>Advances in Insect Physiology</i> , 1991, 23, 117-169.	2.7	173
38	A hybrid de novo genome assembly of the honeybee, <i>Apis mellifera</i> , with chromosome-length scaffolds. <i>BMC Genomics</i> , 2019, 20, 275.	2.8	171
39	Octopamine influences division of labor in honey bee colonies. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2001, 187, 53-61.	1.6	169
40	Gene expression patterns associated with queen honey bee longevity. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 1230-1238.	4.6	169
41	Understanding the Relationship Between Brain Gene Expression and Social Behavior: Lessons from the Honey Bee. <i>Annual Review of Genetics</i> , 2012, 46, 591-615.	7.6	166
42	Division of labor during honey bee colony defense. <i>Behavioral Ecology and Sociobiology</i> , 1990, 27, 395-401.	1.4	163
43	Behavior-specific changes in transcriptional modules lead to distinct and predictable neurogenomic states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18020-18025.	7.1	156
44	Hormonal regulation of behavioural development in the honey bee is based on changes in the rate of juvenile hormone biosynthesis. <i>Journal of Insect Physiology</i> , 1991, 37, 733-741.	2.0	155
45	Genetic determination of nectar foraging, pollen foraging, and nest-site scouting in honey bee colonies. <i>Behavioral Ecology and Sociobiology</i> , 1989, 24, 317-323.	1.4	153
46	Genetic specialists, kin recognition and nepotism in honey-bee colonies. <i>Nature</i> , 1989, 338, 576-579.	27.8	149
47	Neuromolecular responses to social challenge: Common mechanisms across mouse, stickleback fish, and honey bee. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17929-17934.	7.1	141
48	Modulation of alarm pheromone perception in the honey bee: evidence for division of labor based on hormonally regulated response thresholds. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1987, 160, 613-619.	1.6	140
49	Effects of worker genotypic diversity on honey bee colony development and behavior (<i>Apis mellifera</i>) Tj ETQq1 1 0.784314 $rgBT$ /Over 1.4 140	1.4	140
50	Octopamine modulates honey bee dance behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 1703-1707.	7.1	139
51	Comparison of juvenile hormone and ecdysteroid haemolymph titres in adult worker and queen honey bees (<i>Apis mellifera</i>). <i>Journal of Insect Physiology</i> , 1991, 37, 929-935.	2.0	137
52	Behavioral Rhythmicity, Age, Division of Labor and period Expression in the Honey Bee Brain. <i>Journal of Biological Rhythms</i> , 2001, 16, 444-456.	2.6	136
53	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.	2.0	133
54	Genomics and Integrative Analyses of Division of Labor in Honeybee Colonies. <i>American Naturalist</i> , 2002, 160, S160-S172.	2.1	133

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55	Effects of a juvenile hormone analogue on honey bee foraging behaviour and alarm pheromone production. <i>Journal of Insect Physiology</i> , 1985, 31, 277-282.	2.0	129
56	Quantitative peptidomics reveal brain peptide signatures of behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2383-2388.	7.1	125
57	Experience-Expectant Plasticity in the Mushroom Bodies of the Honeybee. <i>Learning and Memory</i> , 1998, 5, 115-123.	1.3	124
58	The Earth BioGenome Project 2020: Starting the clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	124
59	Molecular Determinants of Scouting Behavior in Honey Bees. <i>Science</i> , 2012, 335, 1225-1228.	12.6	123
60	Juvenile Hormone and Octopamine in the Regulation of Division of Labor in Honey Bee Colonies. <i>Hormones and Behavior</i> , 2002, 42, 222-231.	2.1	121
61	Brain transcriptomic analysis in paper wasps identifies genes associated with behaviour across social insect lineages. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 2139-2148.	2.6	121
62	Timekeeping in the honey bee colony: integration of circadian rhythms and division of labor. <i>Behavioral Ecology and Sociobiology</i> , 1998, 43, 147-160.	1.4	120
63	A Role for Octopamine in Honey Bee Division of Labor. <i>Brain, Behavior and Evolution</i> , 2002, 60, 350-359.	1.7	119
64	Juvenile Hormone, Behavioral Maturation, and Brain Structure in the Honey Bee. <i>Developmental Neuroscience</i> , 1996, 18, 102-114.	2.0	118
65	Reversal of honeybee behavioural rhythms. <i>Nature</i> , 2001, 410, 1048-1048.	27.8	108
66	Phenotypic deconstruction reveals involvement of manganese transporter malvolio in honey bee division of labor. <i>Journal of Experimental Biology</i> , 2004, 207, 3281-3288.	1.7	108
67	Caste-Specific Differences in Hindgut Microbial Communities of Honey Bees (<i>Apis mellifera</i>). <i>PLoS ONE</i> , 2015, 10, e0123911.	2.5	108
68	Changes in brain amine levels associated with the morphological and behavioural development of the worker honeybee. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1992, 170, 715-21.	1.6	105
69	Neurogenesis is absent in the brains of adult honey bees and does not explain behavioral neuroplasticity. <i>Neuroscience Letters</i> , 1995, 197, 145-148.	2.1	104
70	GENOMICS: Beyond Nature and Nurture. <i>Science</i> , 2004, 304, 397-399.	12.6	103
71	Identification and Characterization of a Juvenile Hormone Response Element and Its Binding Proteins. <i>Journal of Biological Chemistry</i> , 2007, 282, 37605-37617.	3.4	103
72	Socially responsive effects of brain oxidative metabolism on aggression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 12533-12537.	7.1	103

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73	Automated monitoring of behavior reveals bursty interaction patterns and rapid spreading dynamics in honeybee social networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1433-1438.	7.1	103
74	Toward a new biology of social adversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 17143-17148.	7.1	101
75	Nutritional regulation of division of labor in honey bees: toward a systems biology perspective. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2010, 2, 566-576.	6.6	100
76	Effects of intracolony variability in behavioral development on plasticity of division of labor in honey bee colonies. <i>Behavioral Ecology and Sociobiology</i> , 1994, 35, 13-20.	1.4	95
77	Genotypic variability for rates of behavioral development in worker honeybees (<i>Apis mellifera</i> L.). <i>Behavioral Ecology</i> , 1992, 3, 173-180.	2.2	94
78	Rapid elevation of juvenile hormone titer during behavioral assessment of the breeding resource by the burying beetle, <i>Nicrophorus orbicollis</i> . <i>Journal of Insect Physiology</i> , 1995, 41, 535-543.	2.0	90
79	Automated monitoring reveals extreme interindividual variation and plasticity in honeybee foraging activity levels. <i>Animal Behaviour</i> , 2014, 95, 41-48.	1.9	89
80	Stimulation of muscarinic receptors mimics experience-dependent plasticity in the honey bee brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 207-211.	7.1	88
81	Mechanisms of stable lipid loss in a social insect. <i>Journal of Experimental Biology</i> , 2011, 214, 3808-3821.	1.7	88
82	Comparing injection, feeding and topical application methods for treatment of honeybees with octopamine. <i>Journal of Insect Physiology</i> , 2007, 53, 187-194.	2.0	86
83	Intracolony behavioral variation in worker oviposition, oophagy, and larval care in queenless honey bee colonies. <i>Behavioral Ecology and Sociobiology</i> , 1990, 26, 315-323.	1.4	84
84	Genes and environments, development and time. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23235-23241.	7.1	80
85	Effects of social conditions on Juvenile Hormone mediated reproductive development in <i>Bombus terrestris</i> workers. <i>Physiological Entomology</i> , 1996, 21, 257-267.	1.5	79
86	Protein trophallaxis and the regulation of pollen foraging by honey bees (<i>Apis mellifera</i> L.). <i>Apidologie</i> , 1998, 29, 113-126.	2.0	78
87	Patterns of PERIOD and pigment-dispersing hormone immunoreactivity in the brain of the European honeybee (<i>Apis mellifera</i>): Age- and time-related plasticity. <i>Journal of Comparative Neurology</i> , 2003, 464, 269-284.	1.6	78
88	Reproduction in worker honey bees is associated with low juvenile hormone titers and rates of biosynthesis. <i>General and Comparative Endocrinology</i> , 1992, 87, 471-480.	1.8	76
89	Insect societies and the molecular biology of social behavior. <i>BioEssays</i> , 1997, 19, 1099-1108.	2.5	76
90	Integrative animal behaviour and sociogenomics. <i>Trends in Ecology and Evolution</i> , 1999, 14, 202-205.	8.7	76

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91	The Transcription Factor Ultraspiracle Influences Honey Bee Social Behavior and Behavior-Related Gene Expression. <i>PLoS Genetics</i> , 2012, 8, e1002596.	3.5	74
92	Division of labor between undertaker specialists and other middle-aged workers in honey bee colonies. <i>Behavioral Ecology and Sociobiology</i> , 1997, 41, 151-163.	1.4	73
93	Juvenile hormone profiles of worker honey bees, <i>Apis mellifera</i> , during normal and accelerated behavioural development. <i>Journal of Insect Physiology</i> , 2000, 46, 243-249.	2.0	73
94	Temporal polyethism in social insects is a developmental process. <i>Animal Behaviour</i> , 1994, 48, 467-469.	1.9	72
95	Juvenile hormone levels in honey bee (<i>Apis mellifera</i> L.) foragers: foraging experience and diurnal variation. <i>Journal of Insect Physiology</i> , 2001, 47, 1119-1125.	2.0	72
96	Senescence in the worker honey bee <i>Apis Mellifera</i> . <i>Journal of Insect Physiology</i> , 2007, 53, 1027-1033.	2.0	72
97	Changes in Neuronal Acetylcholinesterase Gene Expression and Division of Labor in Honey Bee Colonies. <i>Journal of Molecular Neuroscience</i> , 2001, 17, 1-12.	2.3	71
98	Kin selection and eusociality. <i>Nature</i> , 2011, 471, E5-E6.	27.8	71
99	Alarm Pheromone Induces Immediateâ€œEarly Gene Expression and Slow Behavioral Response in Honey Bees. <i>Journal of Chemical Ecology</i> , 2007, 33, 1346-1350.	1.8	70
100	Activity-dependent gene expression in honey bee mushroom bodies in response to orientation flight. <i>Journal of Experimental Biology</i> , 2013, 216, 2031-2038.	1.7	70
101	Endocrine modulation of a pheromone-responsive gene in the honey bee brain. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007, 193, 461-470.	1.6	68
102	Nuclear receptors of the honey bee: annotation and expression in the adult brain. <i>Insect Molecular Biology</i> , 2006, 15, 583-595.	2.0	67
103	Diet-dependent gene expression in honey bees: honey vs. sucrose or high fructose corn syrup. <i>Scientific Reports</i> , 2014, 4, 5726.	3.3	67
104	Neurochemicals aid bee nestmate recognition. <i>Nature</i> , 1999, 399, 534-535.	27.8	66
105	Effects of cocaine on honey bee dance behaviour. <i>Journal of Experimental Biology</i> , 2009, 212, 163-168.	1.7	64
106	Juvenile hormone and division of labor in honey bee colonies: effects of allatectomy on flight behavior and metabolism. <i>Journal of Experimental Biology</i> , 2003, 206, 2287-2296.	1.7	62
107	Honey bee virus causes context-dependent changes in host social behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10406-10413.	7.1	61
108	Motif-Blind, Genome-Wide Discovery of cis-Regulatory Modules in <i>Drosophila</i> and Mouse. <i>Developmental Cell</i> , 2009, 17, 568-579.	7.0	60

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109	Insights into the Transcriptional Architecture of Behavioral Plasticity in the Honey Bee <i>Apis mellifera</i> . <i>Scientific Reports</i> , 2015, 5, 11136.	3.3	59
110	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.	2.0	58
111	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, 1089-1094.	1.6	57
112	Behavior and the Dynamic Genome. <i>Science</i> , 2011, 332, 1161-1162.	12.6	56
113	Selective modulation of task performance by octopamine in honey bee (<i>Apis mellifera</i>) division of labour. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2005, 191, 659-668.	1.6	55
114	Central Projections of Sensory Systems Involved in Honey Bee Dance Language Communication. <i>Brain, Behavior and Evolution</i> , 2007, 70, 125-136.	1.7	55
115	Nutrition, hormones and life history in burying beetles. <i>Journal of Insect Physiology</i> , 2004, 50, 383-391.	2.0	54
116	Genotypic constraints on plasticity for corpse removal in honey bee colonies. <i>Animal Behaviour</i> , 1995, 49, 867-876.	1.9	53
117	Reproductive competition in queenless honey bee colonies (<i>Apis mellifera</i> L.). <i>Behavioral Ecology and Sociobiology</i> , 1994, 35, 99-107.	1.4	52
118	Expansion of the neuropil of the mushroom bodies in male honey bees is coincident with initiation of flight. <i>Neuroscience Letters</i> , 1997, 236, 135-138.	2.1	52
119	Genome scan for cis-regulatory DNA motifs associated with social behavior in honey bees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16352-16357.	7.1	52
120	New meta-analysis tools reveal common transcriptional regulatory basis for multiple determinants of behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E1801-10.	7.1	52
121	Deep evolutionary conservation of autism-related genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9653-9658.	7.1	52
122	Behavior-related gene regulatory networks: A new level of organization in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23270-23279.	7.1	52
123	Do Worker Honey Bees Discriminate among Unrelated and Related Larval Phenotypes?. <i>Annals of the Entomological Society of America</i> , 1984, 77, 737-739.	2.5	51
124	Roles of <i>Drosophila</i> Kruppel-homolog 1 in neuronal morphogenesis. <i>Developmental Neurobiology</i> , 2007, 67, 1614-1626.	3.0	51
125	Why sequence all eukaryotes?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	51
126	Biogenic amines in the antennal lobes and the initiation and maintenance of foraging behavior in honey bees. <i>Journal of Neurobiology</i> , 2003, 54, 406-416.	3.6	50

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127	Early-life experience affects honey bee aggression and resilience to immune challenge. <i>Scientific Reports</i> , 2015, 5, 15572.	3.3	50
128	Juvenile Hormone Does Not Affect Division of Labor in Bumble Bee Colonies (Hymenoptera: Apidae). <i>Annals of the Entomological Society of America</i> , 1990, 83, 626-631.	2.5	49
129	Microarray Analysis of Natural Socially Regulated Plasticity in Circadian Rhythms of Honey Bees. <i>Journal of Biological Rhythms</i> , 2012, 27, 12-24.	2.6	49
130	Colony integration in honey bees: genetic, endocrine and social control of division of labor. <i>Apidologie</i> , 1998, 29, 159-170.	2.0	48
131	Epigenetics and the evolution of instincts. <i>Science</i> , 2017, 356, 26-27.	12.6	48
132	Neurogenomic signatures of spatiotemporal memories in time-trained forager honey bees. <i>Journal of Experimental Biology</i> , 2011, 214, 979-987.	1.7	47
133	Genomics: moving behavioural ecology beyond the phenotypic gambit. <i>Animal Behaviour</i> , 2014, 92, 263-270.	1.9	47
134	Juvenile hormone titers in European and Africanized honey bees in Brazil. <i>General and Comparative Endocrinology</i> , 1987, 66, 457-459.	1.8	45
135	Species differences in brain gene expression profiles associated with adult behavioral maturation in honey bees. <i>BMC Genomics</i> , 2007, 8, 202.	2.8	43
136	Coordinated responses to developmental hormones in the Kenyon cells of the adult worker honey bee brain (<i>Apis mellifera</i> L.). <i>Journal of Insect Physiology</i> , 2009, 55, 59-69.	2.0	43
137	Nutritional Regulation of Phenotypic Plasticity in a Solitary Bee (Hymenoptera: Megachilidae). <i>Environmental Entomology</i> , 2017, 46, 1070-1079.	1.4	43
138	Induction of Premature Honey Bee (Hymenoptera: Apidae) Flight by Juvenile Hormone Analogs Administered Orally or Topically. <i>Journal of Economic Entomology</i> , 1987, 80, 784-787.	1.8	42
139	The power and promise of applying genomics to honey bee health. <i>Current Opinion in Insect Science</i> , 2015, 10, 124-132.	4.4	42
140	Organizational and activational effects of hormones on insect behavior. <i>Journal of Insect Physiology</i> , 2000, 46, 1509-1515.	2.0	41
141	Satiation differentially affects performance in a learning assay by nurse and forager honey bees. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2001, 187, 891-899.	1.6	41
142	Division of labor in the honey bee (<i>Apis mellifera</i>): the role of tyramine β -hydroxylase. <i>Journal of Experimental Biology</i> , 2006, 209, 2774-2784.	1.7	41
143	Caste-biased gene expression in a facultatively eusocial bee suggests a role for genetic accommodation in the evolution of eusociality. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162228.	2.6	41
144	Transcriptomic Profiling of Central Nervous System Regions in Three Species of Honey Bee during Dance Communication Behavior. <i>PLoS ONE</i> , 2009, 4, e6408.	2.5	40

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145	Molecular heterochrony and the evolution of sociality in bumblebees (<i>Bombus terrestris</i>). Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132419.	2.6	39
146	Learning and Task Interference by Corpse Removal Specialists in Honey Bee Colonies. Ethology, 1997, 103, 966-975.	1.1	37
147	Collaborative distributed decision making for large scale disaster relief operations: Drawing analogies from robust natural systems. Complexity, 2005, 11, 28-38.	1.6	36
148	Transcriptional response to foraging experience in the honey bee mushroom bodies. Developmental Neurobiology, 2012, 72, 153-166.	3.0	36
149	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
150	A soft selective sweep during rapid evolution of gentle behaviour in an Africanized honeybee. Nature Communications, 2017, 8, 1550.	12.8	33
151	Defense against territorial intrusion is associated with DNA methylation changes in the honey bee brain. BMC Genomics, 2018, 19, 216.	2.8	33
152	Comparisons of Juvenile Hormone Hemolymph and Octopamine Brain Titrers 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
153	DEVELOPMENT: Sociogenomics Takes Flight. Science, 2002, 297, 204-205.	12.6	31
154	TrueSight: a new algorithm for splice junction detection using RNA-seq. Nucleic Acids Research, 2013, 41, e51-e51.	14.5	31
155	New Frontiers for Organismal Biology. BioScience, 2013, 63, 464-471.	4.9	30
156	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
157	Cross-species systems analysis of evolutionary toolkits of neurogenomic response to social challenge. Genes, Brain and Behavior, 2019, 18, e12502.	2.2	30
158	Plasticity of spatial memory in honey bees: reorientation following colony fission. Animal Behaviour, 1993, 46, 311-320.	1.9	29
159	Genotypic differences in brood rearing in honey bee colonies: context-specific?. Behavioral Ecology and Sociobiology, 1994, 34, 125-137.	1.4	29
160	Social regulation of maternal traits in nest-founding bumble bee (<i>Bombus terrestris</i>) queens. Journal of Experimental Biology, 2013, 216, 3474-3482.	1.7	29
161	Functional Characterization of Transcription Factor Motifs Using Cross-species Comparison across Large Evolutionary Distances. PLoS Computational Biology, 2010, 6, e1000652.	3.2	28
162	Individual differences in honey bee behavior enabled by plasticity in brain gene regulatory networks. ELife, 2020, 9, .	6.0	27

#	ARTICLE	IF	CITATIONS
163	Comparison of two juvenile hormone radioimmunoassays. Archives of Insect Biochemistry and Physiology, 1993, 23, 147-152.	1.5	26
164	The Anopheles Genome and Comparative Insect Genomics. Science, 2002, 298, 97-98.	12.6	26
165	The energetic basis of behavior: bridging behavioral ecology and neuroscience. Current Opinion in Behavioral Sciences, 2015, 6, 19-27.	3.9	26
166	Racial Differences in Division of Labor in Colonies of the Honey Bee (<i>Apis mellifera</i>). Ethology, 2002, 108, 115-126.	1.1	25
167	Social and nonsocial stimuli and juvenile hormone titer in a male burying beetle, <i>Nicrophorus orbicollis</i> . Journal of Insect Physiology, 2008, 54, 630-635.	2.0	25
168	A HIGHLY SPECIALIZED WATER-COLLECTING HONEY BEE. Apidologie, 1984, 15, 355-358.	2.0	25
169	Nepotism in the honey bee. Nature, 1990, 346, 708-708.	27.8	24
170	Larval juvenile hormone treatment affects pre-adult development, but not adult age at onset of foraging in worker honey bees (<i>Apis mellifera</i>). Journal of Insect Physiology, 2003, 49, 359-366.	2.0	24
171	The utility of behavioral models and modules in molecular analyses of social behavior. Genes, Brain and Behavior, 2008, 7, 257-265.	2.2	24
172	Empowering 21st Century Biology. BioScience, 2010, 60, 923-930.	4.9	24
173	Altruistic Behavior by Egg-Laying Worker Honeybees. Current Biology, 2013, 23, 1574-1578.	3.9	24
174	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
175	Neurodevelopmental and transcriptomic effects of CRISPR/Cas9-induced somatic <i>orco</i> mutation in honey bees. Journal of Neurogenetics, 2021, 35, 320-332.	1.4	23
176	Task-related chemical analysis of labial gland volatile secretion in worker honeybees (<i>Apis mellifera</i>)	1.8	20
177	Genetic accommodation and the role of ancestral plasticity in the evolution of insect eusociality. Journal of Experimental Biology, 2018, 221, .	1.7	20
178	Honey bee neurogenomic responses to affiliative and agonistic social interactions. Genes, Brain and Behavior, 2019, 18, e12509.	2.2	20
179	Selectable components of sex allocation in colonies of the honeybee (<i>Apis mellifera</i> L.). Behavioral Ecology, 1993, 4, 239-245.	2.2	19
180	Alarm pheromone perception in honey bees is decreased by smoke (Hymenoptera: Apidae). Journal of Insect Behavior, 1995, 8, 11-18.	0.7	19

#	ARTICLE	IF	CITATIONS
181	Muscarinic regulation of Kenyon cell dendritic arborizations in adult worker honey bees. <i>Arthropod Structure and Development</i> , 2011, 40, 409-419.	1.4	19
182	Pilocarpine improves recognition of nestmates in young honey bees. <i>Neuroscience Letters</i> , 2008, 439, 178-181.	2.1	18
183	Comparative brain transcriptomic analyses of scouting across distinct behavioural and ecological contexts in honeybees. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20141868.	2.6	18
184	Developmental Transcriptome for a Facultatively Eusocial Bee, <i>Megalopta genalis</i> . <i>G3: Genes, Genomes, Genetics</i> , 2015, 5, 2127-2135.	1.8	18
185	Valence of social information is encoded in different subpopulations of mushroom body Kenyon cells in the honeybee brain. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190901.	2.6	18
186	Juvenile hormone regulates brain-reproduction tradeoff in bumble bees but not in honey bees. <i>Hormones and Behavior</i> , 2020, 126, 104844.	2.1	18
187	Laboratory Assay of Brood Care for Quantitative Analyses of Individual Differences in Honey Bee (<i>Apis</i>) Tj ETQq1 1 0.784314 rrgBT /Overl 2.5 19	2.5	19
188	Diet and endocrine effects on behavioral maturation-related gene expression in the <i>pars intercerebralis</i> of the honey bee brain. <i>Journal of Experimental Biology</i> , 2015, 218, 4005-14.	1.7	17
189	Transcriptomic analysis of instinctive and learned reward-related behaviors in honey bees. <i>Journal of Experimental Biology</i> , 2016, 219, 3554-3561.	1.7	17
190	From Society to Genes with the Honey Bee. <i>American Scientist</i> , 1998, 86, 456.	0.1	17
191	Reproductive competition in queenless honey bee colonies (<i>Apis mellifera</i> L.). <i>Behavioral Ecology and Sociobiology</i> , 1994, 35, 99-107.	1.4	16
192	Age and oxygen toxicity related fluorescence in the honey bee thorax. <i>Experimental Gerontology</i> , 1983, 18, 471-475.	2.8	15
193	Effect of Low Temperature Narcosis on Honey Bee (Hymenoptera: Apidae) Foraging Behavior. <i>Florida Entomologist</i> , 1984, 67, 568.	0.5	15
194	Division of labor in honey bees is associated with transcriptional regulatory plasticity in the brain. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	15
195	Conservation in Mammals of Genes Associated with Aggression-Related Behavioral Phenotypes in Honey Bees. <i>PLoS Computational Biology</i> , 2016, 12, e1004921.	3.2	14
196	Modulatory Communication Signal Performance Is Associated with a Distinct Neurogenomic State in Honey Bees. <i>PLoS ONE</i> , 2009, 4, e6694.	2.5	14
197	Comparing Reversal-Learning Abilities, Sucrose Responsiveness, and Foraging Experience Between Scout and Non-Scout Honey bee (<i>Apis mellifera</i>) Foragers. <i>Journal of Insect Behavior</i> , 2014, 27, 736-752.	0.7	12
198	Neural and Molecular Mechanisms of Biological Embedding of Social Interactions. <i>Annual Review of Neuroscience</i> , 2021, 44, 109-128.	10.7	12

#	ARTICLE	IF	CITATIONS
199	Physiology of reproductive worker honey bees (<i>Apis mellifera</i>): insights for the development of the worker caste. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2016, 202, 147-158.	1.6	11
200	Transcriptomic analyses of black women in neighborhoods with high levels of violence. <i>Psychoneuroendocrinology</i> , 2021, 127, 105174.	2.7	11
201	Characterization of Genomic Variants Associated with Scout and Recruit Behavioral Castes in Honey Bees Using Whole-Genome Sequencing. <i>PLoS ONE</i> , 2016, 11, e0146430.	2.5	11
202	Behavioral genetics and genomics: Mendel's peas, mice, and bees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	11
203	Foraging Behavior of Honey Bees (Hymenoptera: Apidae) on <i>Brassica nigra</i> and <i>B. rapa</i> Grown under Simulated Ambient and Enhanced Uv-B Radiation. <i>Annals of the Entomological Society of America</i> , 1997, 90, 102-106.	2.5	10
204	Behavioral status and detoxifying enzyme activity are related in worker honey bees. <i>Journal of Insect Behavior</i> , 1989, 2, 285-289.	0.7	7
205	Comparative Analysis of Brain and Fat Body Gene Splicing Patterns in the Honey Bee, <i>Apis mellifera</i> . <i>G3: Genes, Genomes, Genetics</i> , 2019, 9, 1055-1063.	1.8	5
206	Individual variations lead to universal and cross-species patterns of social behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 31754-31759.	7.1	5
207	A Unique Beekeeping Enterprise in Colombia. <i>Bee World</i> , 1982, 63, 43-46.	0.8	4
208	Royal aspirations. <i>Nature</i> , 2011, 473, 454-455.	27.8	4
209	Insights and opportunities in insect social behavior. <i>Current Opinion in Insect Science</i> , 2019, 34, ix-xx.	4.4	3
210	Assessing Agrochemical Risk to Mated Honey Bee Queens. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	3
211	Epigenetic MRI: Noninvasive imaging of DNA methylation in the brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119891119.	7.1	3
212	Dissecting diversity in the social brain. <i>Science</i> , 2015, 350, 1310-1312.	12.6	2
213	Context-dependent influence of threat on honey bee social network dynamics and brain gene expression. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	2
214	Aberrant Queen Cells in Honeybee Colonies. <i>Bee World</i> , 1982, 63, 82-83.	0.8	1
215	Pheromones in Action. <i>BioScience</i> , 1999, 49, 154.	4.9	1
216	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

#	ARTICLE	IF	CITATIONS
217	Orchids Pollinated by Euglossine Bees. <i>Bee World</i> , 1984, 65, 68-73.	0.8	0
218	The rise and fall of the "warrior gene" defense. <i>Science</i> , 2021, 371, 1320-1320.	12.6	0
219	"Quorum Sensing" in Honeybees: Pheromone Regulation of Division of Labor. , 0, , 463-468.		0