

Guy Bloch

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7958706/publications.pdf>

Version: 2024-02-01

92
papers

6,018
citations

76326

40
h-index

79698

73
g-index

101
all docs

101
docs citations

101
times ranked

5001
citing authors

#	ARTICLE	IF	CITATIONS
1	The Apiary at Tel Reá¸ov. Near Eastern Archaeology, 2022, 85, 126-131.	0.2	0
2	Care-giver identity impacts offspring development and performance in an annually social bumble bee. BMC Ecology and Evolution, 2021, 21, 20.	1.6	8
3	Body Size and Behavioural Plasticity Interact to Influence the Performance of Free-Foraging Bumble Bee Colonies. Insects, 2021, 12, 236.	2.2	14
4	Social synchronization of circadian rhythms with a focus on honeybees. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200342.	4.0	16
5	KrÄ¸ppel-homologue 1 Mediates Hormonally Regulated Dominance Rank in a Social Bee. Biology, 2021, 10, 1188.	2.8	3
6	Remarkable Sensitivity of Young Honey Bee Workers to Multiple Non-photic, Non-thermal, Forager Cues That Synchronize Their Daily Activity Rhythms. Frontiers in Physiology, 2021, 12, 789773.	2.8	3
7	Juvenile hormone interacts with multiple factors to modulate aggression and dominance in groups of orphan bumble bee (<i>Bombus terrestris</i>) workers. Hormones and Behavior, 2020, 117, 104602.	2.1	19
8	The Complexity of Social Complexity: A Quantitative Multidimensional Approach for Studies of Social Organization. American Naturalist, 2020, 196, 525-540.	2.1	17
9	Juvenile hormone regulates brain-reproduction tradeoff in bumble bees but not in honey bees. Hormones and Behavior, 2020, 126, 104844.	2.1	18
10	Brain microRNAs among social and solitary bees. Royal Society Open Science, 2020, 7, 200517.	2.4	13
11	Juvenile hormone affects the development and strength of circadian rhythms in young bumble bee (<i>Bombus terrestris</i>) workers. Neurobiology of Sleep and Circadian Rhythms, 2020, 9, 100056.	2.8	8
12	Body size but not age influences phototaxis in bumble bee (<i>Bombus terrestris</i> , L.) workers. Apidologie, 2020, 51, 763-776.	2.0	14
13	Colony Volatiles and Substrate-borne Vibrations Entrain Circadian Rhythms and Are Potential Cues Mediating Social Synchronization in Honey Bee Colonies. Journal of Biological Rhythms, 2020, 35, 246-256.	2.6	11
14	Circadian plasticity in honey bees. Biochemist, 2020, 42, 22-26.	0.5	5
15	Body size variation in bees: regulation, mechanisms, and relationship to social organization. Current Opinion in Insect Science, 2019, 35, 77-87.	4.4	71
16	Bumble Bee Workers Give Up Sleep to Care for Offspring that Are Not Their Own. Current Biology, 2019, 29, 3488-3493.e4.	3.9	24
17	RNA editing is abundant and correlates with task performance in a social bumblebee. Nature Communications, 2019, 10, 1605.	12.8	57
18	Prosocial and self-interested intra-twin pair behavior in monozygotic and dizygotic twins in the early to middle childhood transition. Developmental Science, 2018, 21, e12665.	2.4	3

#	ARTICLE	IF	CITATIONS
19	Pigment-Dispersing Factor-expressing neurons convey circadian information in the honey bee brain. <i>Open Biology</i> , 2018, 8, 170224.	3.6	55
20	Inferring dynamic topology for decoding spatiotemporal structures in complex heterogeneous networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9300-9305.	7.1	36
21	The Influence of Social Information and Self-expertise on Emergent Task Allocation in Virtual Groups. <i>Frontiers in Ecology and Evolution</i> , 2018, 6, .	2.2	9
22	Neuronal circadian clock protein oscillations are similar in behaviourally rhythmic forager honeybees and in arrhythmic nurses. <i>Open Biology</i> , 2017, 7, 170047.	3.6	45
23	Time is honey: circadian clocks of bees and flowers and how their interactions may influence ecological communities. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160256.	4.0	66
24	Two sides of a coin: ecological and chronobiological perspectives of timing in the wild. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160246.	4.0	124
25	Nurse honeybee workers tend capped-brood, which does not require feeding, around-the-clock. <i>Journal of Experimental Biology</i> , 2017, 220, 4130-4140.	1.7	7
26	Endocrine Influences on Insect Societies. , 2017, , 421-451.		14
27	Task-Related Phasing of Circadian Rhythms in Antennal Responsiveness to Odorants and Pheromones in Honeybees. <i>Journal of Biological Rhythms</i> , 2017, 32, 593-608.	2.6	17
28	Potent social synchronization can override photic entrainment of circadian rhythms. <i>Nature Communications</i> , 2016, 7, 11662.	12.8	69
29	No effect of juvenile hormone on task performance in a bumblebee (<i>Bombus terrestris</i>) supports an evolutionary link between endocrine signaling and social complexity. <i>Hormones and Behavior</i> , 2016, 85, 67-75.	2.1	21
30	The colony environment modulates sleep in honey bee workers. <i>Journal of Experimental Biology</i> , 2015, 218, 404-11.	1.7	13
31	An Alien in the Group: Eusocial Male Bees Sharing Nonspecific Reproductive Aggregations. <i>Journal of Insect Science</i> , 2015, 15, 157.	1.5	10
32	Function and evolution of microRNAs in eusocial Hymenoptera. <i>Frontiers in Genetics</i> , 2015, 6, 193.	2.3	15
33	Juvenile hormone and ecdysteroids as major regulators of brain and behavior in bees. <i>Current Opinion in Insect Science</i> , 2015, 12, 26-37.	4.4	37
34	The genomes of two key bumblebee species with primitive eusocial organization. <i>Genome Biology</i> , 2015, 16, 76.	8.8	330
35	Molecular heterochrony and the evolution of sociality in bumblebees (<i>Bombus terrestris</i>). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132419.	2.6	39
36	The expression and phylogenetics of the Inhibitor Cysteine Knot peptide OCLP1 in the honey bee <i>Apis mellifera</i> . <i>Journal of Insect Physiology</i> , 2014, 65, 1-8.	2.0	7

#	ARTICLE	IF	CITATIONS
37	Gonadotropic and Physiological Functions of Juvenile Hormone in Bumblebee (<i>Bombus terrestris</i>) Workers. <i>PLoS ONE</i> , 2014, 9, e100650.	2.5	66
38	Social regulation of maternal traits in nest-founding bumble bee (<i>Bombus terrestris</i>) queens. <i>Journal of Experimental Biology</i> , 2013, 216, 3474-3482.	1.7	29
39	Social influences on body size and developmental time in the bumblebee <i>Bombus terrestris</i> . <i>Behavioral Ecology and Sociobiology</i> , 2013, 67, 1601-1612.	1.4	43
40	Animal activity around the clock with no overt circadian rhythms: patterns, mechanisms and adaptive value. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130019.	2.6	83
41	Dufour's gland secretion, sterility and foraging behavior: Correlated behavior traits in bumblebee workers. <i>Journal of Insect Physiology</i> , 2013, 59, 1250-1255.	2.0	19
42	Socially synchronized circadian oscillators. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20130035.	2.6	56
43	Circadian rhythms and endocrine functions in adult insects. <i>Journal of Insect Physiology</i> , 2013, 59, 56-69.	2.0	77
44	Animal clocks: when science meets nature. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131354.	2.6	68
45	The Colony Environment, but Not Direct Contact with Conspecifics, Influences the Development of Circadian Rhythms in Honey Bees. <i>Journal of Biological Rhythms</i> , 2012, 27, 217-225.	2.6	25
46	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
47	General anesthesia alters time perception by phase shifting the circadian clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7061-7066.	7.1	68
48	Social Influences on Circadian Rhythms and Sleep in Insects. <i>Advances in Genetics</i> , 2012, 77, 1-32.	1.8	42
49	Circadian Rhythms and Sleep in Honey Bees. , 2012, , 31-45.		22
50	Raalin, a transcript enriched in the honey bee brain, is a remnant of genomic rearrangement in hymenoptera. <i>Insect Molecular Biology</i> , 2012, 21, 305-318.	2.0	5
51	Size-related variation in protein abundance in the brain and abdominal tissue of bumble bee workers. <i>Insect Molecular Biology</i> , 2012, 21, 319-325.	2.0	9
52	The involvement of the antennae in mediating the brood influence on circadian rhythms in honey bee (<i>Apis mellifera</i>) workers. <i>Journal of Insect Physiology</i> , 2012, 58, 1096-1103.	2.0	11
53	The Molecular Clockwork of the Fire Ant <i>Solenopsis invicta</i> . <i>PLoS ONE</i> , 2012, 7, e45715.	2.5	51
54	Photoperiodism: The Biological Calendar. Edited by Randy A. Nelson, David A. Denlinger, and David A. Somers. Oxford and New York: Oxford University Press. \$74.00. xiii + 581 p.; ill.; index. ISBN: 978-0-19-533590-3. 2010.. <i>Quarterly Review of Biology</i> , 2011, 86, 39-40.	0.1	0

#	ARTICLE	IF	CITATIONS
55	Maternity-related plasticity in circadian rhythms of bumble-bee queens. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 3510-3516.	2.6	26
56	Social molecular pathways and the evolution of bee societies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 2155-2170.	4.0	64
57	Workers Make the Queens in <i>Melipona</i> Bees: Identification of Geraniol as a Caste Determining Compound from Labial Glands of Nurse Bees. <i>Journal of Chemical Ecology</i> , 2010, 36, 565-569.	1.8	41
58	The transcription factor Krüppel homolog 1 is linked to hormone mediated social organization in bees. <i>BMC Evolutionary Biology</i> , 2010, 10, 120.	3.2	52
59	Industrial apiculture in the Jordan valley during Biblical times with Anatolian honeybees. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11240-11244.	7.1	61
60	The Social Clock of the Honeybee. <i>Journal of Biological Rhythms</i> , 2010, 25, 307-317.	2.6	94
61	Molecular Dynamics and Social Regulation of Context-Dependent Plasticity in the Circadian Clockwork of the Honey Bee. <i>Journal of Neuroscience</i> , 2010, 30, 12517-12525.	3.6	56
62	Body size-related variation in Pigment Dispersing Factor-immunoreactivity in the brain of the bumblebee <i>Bombus terrestris</i> (Hymenoptera, Apidae). <i>Journal of Insect Physiology</i> , 2009, 55, 479-487.	2.0	30
63	Endocrine Influences on the Organization of Insect Societies. , 2009, , 1027-1070.		24
64	Temporal variation in group aggressiveness of honeybee (<i>Apis mellifera</i>) guards. <i>Apidologie</i> , 2008, 39, 283-291.	2.0	5
65	Differences in the sleep architecture of forager and young honeybees(<i>Apis mellifera</i>). <i>Journal of Experimental Biology</i> , 2008, 211, 2408-2416.	1.7	79
66	Monitoring Circadian Rhythms of Individual Honey Bees in a Social Environment Reveals Social Influences on Postembryonic Ontogeny of Activity Rhythms. <i>Journal of Biological Rhythms</i> , 2007, 22, 343-355.	2.6	22
67	Genes encoding putative Takeout/juvenile hormone binding proteins in the honeybee (<i>Apis mellifera</i>) and modulation by age and juvenile hormone of the takeout-like gene GB19811. <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 689-701.	2.7	41
68	Natural plasticity in circadian rhythms is mediated by reorganization in the molecular clockwork in honeybees. <i>FASEB Journal</i> , 2007, 21, 2304-2311.	0.5	67
69	Influences of octopamine and juvenile hormone on locomotor behavior and period gene expression in the honeybee, <i>Apis mellifera</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007, 193, 181-199.	1.6	27
70	Molecular and phylogenetic analyses reveal mammalian-like clockwork in the honey bee (<i>Apis</i>) <i>Trends in Ecology and Evolution</i> , 2006, 21, 1352-1365.	5.5	223
71	Insights into social insects from the genome of the honeybee <i>Apis mellifera</i> . <i>Nature</i> , 2006, 443, 931-949.	27.8	1,648
72	Seasonal and task-related variation in free running activity rhythms in honey bees (<i>Apis mellifera</i>). <i>Insectes Sociaux</i> , 2006, 53, 115-118.	1.2	8

#	ARTICLE	IF	CITATIONS
73	Developmentally determined attenuation in circadian rhythms links chronobiology to social organization in bees. <i>Journal of Experimental Biology</i> , 2006, 209, 1044-1051.	1.7	109
74	Reproductive division of labor, dominance, and ecdysteroid levels in hemolymph and ovary of the bumble bee <i>Bombus terrestris</i> . <i>Journal of Insect Physiology</i> , 2005, 51, 811-823.	2.0	70
75	period expression in the honey bee brain is developmentally regulated and not affected by light, flight experience, or colony type. <i>Insect Biochemistry and Molecular Biology</i> , 2004, 34, 879-891.	2.7	28
76	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
77	Endocrine Influences on the Organization of Insect Societies. , 2002, , 195-235.		46
78	Juvenile hormone and circadian locomotor activity in the honey bee <i>Apis mellifera</i> . <i>Journal of Insect Physiology</i> , 2002, 48, 1123-1131.	2.0	41
79	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
80	Reversal of honeybee behavioural rhythms. <i>Nature</i> , 2001, 410, 1048-1048.	27.8	108
81	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
82	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
83	Ecdysteroid titer, ovary status, and dominance in adult worker and queen bumble bees (<i>Bombus</i>)	2.0	69
84	Brain biogenic amines and reproductive dominance in bumble bees (<i>Bombus terrestris</i>). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2000, 186, 261-268.	1.6	82
85	The effect of queen-worker conflict on caste determination in the bumblebee <i>Bombus terrestris</i> . <i>Behavioral Ecology and Sociobiology</i> , 2000, 47, 346-352.	1.4	44
86	Changes in period mRNA levels in the brain and division of labor in honey bee colonies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 6914-6919.	7.1	154
87	Regulation of queen-worker conflict in bumble bee (<i>Bombus terrestris</i>) colonies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 2465-2469.	2.6	74
88	Reevaluation of the Role of Mandibular Glands in Regulation of Reproduction in Bumblebee Colonies. <i>Journal of Chemical Ecology</i> , 1999, 25, 881-896.	1.8	49
89	Regulation of reproduction by dominant workers in bumblebee (<i>Bombus terrestris</i>) queenright colonies. <i>Behavioral Ecology and Sociobiology</i> , 1999, 45, 125-135.	1.4	102
90	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

#	ARTICLE	IF	CITATIONS
91	Esterase activity in populations of the whitefly, <i>Bemisia tabaci</i> (Homoptera: Aleyrodidae): heritability and associated organophosphorus insecticide resistance. <i>Bulletin of Entomological Research</i> , 1995, 85, 11-19.	1.0	1
92	Methidathion Resistance in the Sweetpotato Whitefly (Aleyrodidae: Homoptera) in Israel: Selection, Heritability, and Correlated Changes of Esterase Activity. <i>Journal of Economic Entomology</i> , 1994, 87, 1147-1156.	1.8	28