

Yehuda Ben-Shahar

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

3,321
citations

279798

23
h-index

276875

41
g-index

52
all docs

52
docs citations

52
times ranked

3861
citing authors

#	ARTICLE	IF	CITATIONS
1	Motile Cilia of Human Airway Epithelia Are Chemosensory. <i>Science</i> , 2009, 325, 1131-1134.	12.6	618
2	Influence of Gene Action Across Different Time Scales on Behavior. <i>Science</i> , 2002, 296, 741-744.	12.6	454
3	Genomic dissection of behavioral maturation in the honey bee. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16068-16075.	7.1	216
4	Candidate genes for behavioural ecology. <i>Trends in Ecology and Evolution</i> , 2005, 20, 96-104.	8.7	214
5	cGMP-dependent changes in phototaxis: a possible role for the foraging gene in honey bee division of labor. <i>Journal of Experimental Biology</i> , 2003, 206, 2507-2515.	1.7	157
6	Natural variation in <i>Drosophila melanogaster</i> diapause due to the insulin-regulated PI3-kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15911-15915.	7.1	157
7	TRPA channels distinguish gravity sensing from hearing in Johnston's organ. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13606-13611.	7.1	137
8	ppk23-Dependent Chemosensory Functions Contribute to Courtship Behavior in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2012, 8, e1002587.	3.5	128
9	Chemosensory Functions for Pulmonary Neuroendocrine Cells. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 50, 637-646.	2.9	113
10	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
11	Social behavior and comparative genomics: new genes or new gene regulation?. <i>Genes, Brain and Behavior</i> , 2002, 1, 197-203.	2.2	89
12	Behavioral plasticity in honey bees is associated with differences in brain microRNA transcriptome. <i>Genes, Brain and Behavior</i> , 2012, 11, 660-670.	2.2	87
13	The Genetic Architecture of Degenerin/Epithelial Sodium Channels in <i>Drosophila</i> . <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 441-450.	1.8	85
14	The foraging gene, behavioral plasticity, and honeybee division of labor. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2005, 191, 987-994.	1.6	79
15	Sensory Functions for Degenerin/Epithelial Sodium Channels (DEG/ENaC). <i>Advances in Genetics</i> , 2011, 76, 1-26.	1.8	74
16	Negative impact of manganese on honeybee foraging. <i>Biology Letters</i> , 2015, 11, 20140989.	2.3	63
17	RNA editing is abundant and correlates with task performance in a social bumblebee. <i>Nature Communications</i> , 2019, 10, 1605.	12.8	57
18	The gut microbiome defines social group membership in honey bee colonies. <i>Science Advances</i> , 2020, 6, .	10.3	55

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19	Eukaryotic operon-like transcription of functionally related genes in <i>Drosophila</i> . Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 222-227.	7.1	49
20	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
21	Differences in performance on a reversal learning test and division of labor in honey bee colonies. Animal Cognition, 2000, 3, 119-125.	1.8	34
22	The Impact of Environmental Mn Exposure on Insect Biology. Frontiers in Genetics, 2018, 9, 70.	2.3	30
23	The <i>Drosophila</i> Gene <i>CheB42a</i> Is a Novel Modifier of <i>Deg/ENaC</i> Channel Function. PLoS ONE, 2010, 5, e9395.	2.5	25
24	Logistic growth curve analysis in associative learning data. Animal Cognition, 2001, 3, 185-189.	1.8	24
25	The cuticular hydrocarbon profiles of honey bee workers develop via a socially-modulated innate process. ELife, 2019, 8, .	6.0	21
26	The <i>Drosophila</i> Postsynaptic <i>DEG/ENaC</i> Channel <i>ppk29</i> Contributes to Excitatory Neurotransmission. Journal of Neuroscience, 2017, 37, 3171-3180.	3.6	19
27	Natural antisense transcripts regulate the neuronal stress response and excitability. ELife, 2014, 3, e01849.	6.0	19
28	<i>Drosophila</i> divalent metal ion transporter <i>Malvolio</i> is required in dopaminergic neurons for feeding decisions. Genes, Brain and Behavior, 2017, 16, 506-514.	2.2	18
29	The synaptic action of Degenerin/Epithelial sodium channels. Channels, 2018, 12, 262-275.	2.8	17
30	The <i>Drosophila</i> ERG channel seizure plays a role in the neuronal homeostatic stress response. PLoS Genetics, 2019, 15, e1008288.	3.5	16
31	Function and evolution of microRNAs in eusocial Hymenoptera. Frontiers in Genetics, 2015, 6, 193.	2.3	15
32	The neural basis for insect pheromonal communication. Current Opinion in Insect Science, 2015, 12, 86-92.	4.4	15
33	The <i>foraging</i> gene as a modulator of division of labour in social insects. Journal of Neurogenetics, 2021, 35, 168-178.	1.4	15
34	Feminization of pheromone-sensing neurons affects mating decisions in <i>Drosophila</i> males. Biology Open, 2014, 3, 152-160.	1.2	14
35	Brain microRNAs among social and solitary bees. Royal Society Open Science, 2020, 7, 200517.	2.4	13
36	The neurogenetics of sexually dimorphic behaviors from a postdevelopmental perspective. Genes, Brain and Behavior, 2020, 19, e12623.	2.2	9

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37	A <i>piggyBac</i> route to transgenic honeybees. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 8708-8709.	7.1	8
38	The genetic architecture of larval aggregation behavior in <i>Drosophila</i> . Journal of Neurogenetics, 2021, 35, 274-284.	1.4	5
39	Genetic and viral approaches to record or manipulate neurons in insects. Current Opinion in Insect Science, 2021, 48, 79-88.	4.4	4
40	Epigenetic switch turns on genetic behavioral variations. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12365-12367.	7.1	3
41	Computational identification of operon-like transcriptional loci in eukaryotes. Computers in Biology and Medicine, 2013, 43, 738-743.	7.0	1