

Axel Brockmann

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,331
citations

304743

22
h-index

233421

45
g-index

69
all docs

69
docs citations

69
times ranked

2349
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal and spatial foraging patterns of three Asian honey bee species in Bangalore, India. <i>Apidologie</i> , 2021, 52, 503-523.	2.0	9
2	Tyramine 1 Receptor Distribution in the Brain of Corbiculate Bees Points to a Conserved Function. <i>Brain, Behavior and Evolution</i> , 2021, 96, 13-25.	1.7	3
3	Adaptive tuning of the exploitation-exploration trade-off in four honey bee species. <i>Behavioral Ecology and Sociobiology</i> , 2021, 75, 1.	1.4	4
4	Nesting ecology does not explain slowâ€fast cognitive differences among honeybee species. <i>Animal Cognition</i> , 2021, 24, 1227-1235.	1.8	3
5	Distance estimation by Asian honey bees in two visually different landscapes. <i>Journal of Experimental Biology</i> , 2021, 224, .	1.7	5
6	Search Behavior of Individual Foragers Involves Neurotransmitter Systems Characteristic for Social Scouting. <i>Frontiers in Insect Science</i> , 2021, 1, .	2.1	3
7	A hard dayâ€™s night: Patterns in the diurnal and nocturnal foraging behavior of <i>Apis dorsata</i> across lunar cycles and seasons. <i>PLoS ONE</i> , 2021, 16, e0258604.	2.5	6
8	Interâ€individual variation in honey bee dance intensity correlates with expression of the <i>foraging</i> gene. <i>Genes, Brain and Behavior</i> , 2020, 19, e12592.	2.2	16
9	Reply to Negri et al.: Air pollution and health impacts on bees: Signs of causation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26578-26579.	7.1	0
10	A field-based quantitative analysis of sublethal effects of air pollution on pollinators. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20653-20661.	7.1	58
11	Similarities in dance follower behaviour across honey bee species suggest a conserved mechanism of dance communication. <i>Animal Behaviour</i> , 2020, 169, 139-155.	1.9	3
12	Sex-specific molecular specialization and activity rhythm dependent gene expression in honey bee antennae. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	11
13	Adaptive evolution of honeybee dance dialects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200190.	2.6	25
14	Downregulation of the tyrosine degradation pathway extends <i>Drosophila</i> lifespan. <i>ELife</i> , 2020, 9, .	6.0	25
15	Geographical distribution of the giant honey bee <i>Apis laboriosa</i> Smith, 1871 (Hymenoptera, Apidae). <i>ZooKeys</i> , 2020, 951, 67-81.	1.1	11
16	Species composition and elevational distribution of bumble bees (Hymenoptera, Apidae, <i>Bombus</i>) Tj ETQq0 0 0 rgBT /Overlock, 10 Tf 50	1.1	23
17	<i>Apis florea</i> workers show a prolonged period of nursing behavior. <i>Apidologie</i> , 2019, 50, 63-70.	2.0	5
18	Honey bees flexibly use two navigational memories when updating dance distance information. <i>Journal of Experimental Biology</i> , 2019, 222, .	1.7	11

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19	Social modulation of individual differences in dance communication in honey bees. Behavioral Ecology and Sociobiology, 2019, 73, 1.	1.4	21
20	Learning of monochromatic stimuli in <i>Apis cerana</i> and <i>Apis mellifera</i> by means of PER conditioning. Journal of Insect Physiology, 2019, 114, 30-34.	2.0	8
21	Immediate early genes in social insects: a tool to identify brain regions involved in complex behaviors and molecular processes underlying neuroplasticity. Cellular and Molecular Life Sciences, 2019, 76, 637-651.	5.4	29
22	Mass Spectrometric Quantification of Arousal Associated Neurochemical Changes in Single Honey Bee Brains and Brain Regions. ACS Chemical Neuroscience, 2019, 10, 1950-1959.	3.5	9
23	Honey bee foraging induces upregulation of <i>early growth response protein 1</i> , <i>hormone receptor 38</i> and candidate downstream genes of the ecdysteroid signalling pathway. Insect Molecular Biology, 2018, 27, 90-98.	2.0	30
24	Sugar Intake Elicits Intelligent Searching Behavior in Flies and Honey Bees. Frontiers in Behavioral Neuroscience, 2018, 12, 280.	2.0	21
25	Time-restricted foraging under natural light/dark condition shifts the molecular clock in the honey bee, <i>Apis mellifera</i> . Chronobiology International, 2018, 35, 1723-1734.	2.0	12
26	Egr-1: A Candidate Transcription Factor Involved in Molecular Processes Underlying Time-Memory. Frontiers in Psychology, 2018, 9, 865.	2.1	18
27	Investigating the viral ecology of global bee communities with high-throughput metagenomics. Scientific Reports, 2018, 8, 8879.	3.3	58
28	Computational genome-wide survey of odorant receptors from two solitary bees <i>Dufourea novaeangliae</i> (Hymenoptera: Halictidae) and <i>Habropoda laboriosa</i> (Hymenoptera: Apidae). Scientific Reports, 2017, 7, 10823.	3.3	17
29	Octopamine Drives Endurance Exercise Adaptations in <i>Drosophila</i> . Cell Reports, 2017, 21, 1809-1823.	6.4	56
30	Pharyngeal stimulation with sugar triggers local searching behavior in <i>Drosophila</i> . Journal of Experimental Biology, 2017, 220, 3231-3237.	1.7	31
31	Brain regions and molecular pathways responding to food reward type and value in honey bees. Genes, Brain and Behavior, 2016, 15, 305-317.	2.2	21
32	Identification of Complete Repertoire of <i>Apis florea</i> Odorant Receptors Reveals Complex Orthologous Relationships with <i>Apis mellifera</i> . Genome Biology and Evolution, 2016, 8, 2879-2895.	2.5	37
33	Structural and temporal dynamics of the bee curtain in the open-nesting honey bee species, <i>Apis florea</i> . Apidologie, 2016, 47, 749-758.	2.0	8
34	Agatoxin-like peptides in the neuroendocrine system of the honey bee and other insects. Journal of Proteomics, 2016, 132, 77-84.	2.4	30
35	Sex and Caste-Specific Variation in Compound Eye Morphology of Five Honeybee Species. PLoS ONE, 2013, 8, e57702.	2.5	80
36	Neurogenomic and Neurochemical Dissection of Honey Bee Dance Communication. , 2012, , 323-339.		2

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37	Drone congregation areas of red dwarf honeybee, <i>Apis florea</i> . <i>Nature Precedings</i> , 2009, , .	0.1	1
38	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
39	Drones of the Dwarf Honey Bee <i>Apis Florea</i> Are Attracted to (2E)-9-Oxodecenoic Acid and (2E)-10-Hydroxydecenoic Acid. <i>Journal of Chemical Ecology</i> , 2009, 35, 653-655.	1.8	17
40	Honeybee dance language: is it overrated?. <i>Trends in Ecology and Evolution</i> , 2009, 24, 583-583.	8.7	5
41	Adult honeybees (<i>Apis mellifera</i> L.) abandon hemocytic, but not phenoloxidase-based immunity. <i>Journal of Insect Physiology</i> , 2008, 54, 439-444.	2.0	122
42	A honey bee odorant receptor for the queen substance 9-oxo-2-decenoic acid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 14383-14388.	7.1	198
43	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
44	The parasitic mite <i>Varroa destructor</i> affects non-associative learning in honey bee foragers, <i>Apis mellifera</i> L.. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007, 193, 363-370.	1.6	81
45	Size determines antennal sensitivity and behavioral threshold to odors in bumblebee workers. <i>Die Naturwissenschaften</i> , 2007, 94, 733-739.	1.6	152
46	Beyond 9-ODA: SEX Pheromone Communication in the European Honey Bee <i>Apis mellifera</i> L.. <i>Journal of Chemical Ecology</i> , 2006, 32, 657-667.	1.8	73
47	Perception Space—The Final Frontier. <i>PLoS Biology</i> , 2005, 3, e137.	5.6	65
48	Organization and Potential Function of the <i>mrip3</i> Locus in Four Honeybee Species. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 8075-8081.	5.2	28
49	Honeybee Odometry: Performance in Varying Natural Terrain. <i>PLoS Biology</i> , 2004, 2, e211.	5.6	126
50	Wax perception in honeybees: contact is not necessary. <i>Die Naturwissenschaften</i> , 2003, 90, 424-427.	1.6	17
51	Bumble bees alert to food with pheromone from tergal gland. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2003, 189, 47-51.	1.6	48
52	Immune response inhibits associative learning in insects. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2471-2473.	2.6	111
53	Behavioral performance in adult honey bees is influenced by the temperature experienced during their pupal development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7343-7347.	7.1	243
54	Selective blocking of contact chemosensilla in <i>Apis mellifera</i> . <i>Apidologie</i> , 2002, 33, 33-40.	2.0	9

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55	Structural differences in the drone olfactory system of two phylogenetically distant Apis species, A. florea and A. mellifera. Die Naturwissenschaften, 2001, 88, 78-81.	1.6	61
56	Dimorphic antennal systems in gynandromorphic honey bees, Apis Mellifera L. (Hymenoptera: Apidae). Arthropod Structure and Development, 1999, 28, 53-60.	0.4	10
57	The EAG Response Spectra of Workers and Drones to Queen Honeybee Mandibular Gland Components: The Evolution of a Social Signal. Die Naturwissenschaften, 1998, 85, 283-285.	1.6	51
58	Projection pattern of poreplate sensory neurones in honey bee worker, Apis mellifera L. (Hymenoptera) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	17