

An Engineered *orco* Mutation Produces Aberrant Social Development in Ants

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Citation Report

#	ARTICLE	IF	CITATIONS
1	New tools, new insights “ probing social behaviour in ants. Nature Reviews Genetics, 2017, 18, 577-577.	7.7	1
2	Orco Mutagenesis Causes Loss of Antennal Lobe Glomeruli and Impaired Social Behavior in Ants. Cell, 2017, 170, 727-735.e10.	13.5	219
3	The MutAnts Are Here. Cell, 2017, 170, 601-602.	13.5	5
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6	Back to the roots: the importance of using simple insect societies to understand the molecular basis of complex social life. Current Opinion in Insect Science, 2018, 28, 33-39.	2.2	30
7	Genes and genomic processes underpinning the social lives of ants. Current Opinion in Insect Science, 2018, 25, 83-90.	2.2	25
8	Expression Profiles and Functional Characterization of Two Odorant-Binding Proteins From the Apple Buprestid Beetle <i>Agrilus mali</i> (Coleoptera: Buprestidae). Journal of Economic Entomology, 2018, 111, 1420-1432.	0.8	36
9	Molecular characterization and evolution of a chemosensory receptor gene family in three notorious rice planthoppers, <i>Nilaparvata lugens</i> , <i>Sogatella furcifera</i> and <i>Laodelphax striatellus</i> , based on genome and transcriptome analyses. Pest Management Science, 2018, 74, 2156-2167.	1.7	54
10	The structure of Orco and its impact on our understanding of olfaction. Journal of General Physiology, 2018, 150, 1602-1605.	0.9	16
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16	Distinct binding affinities of odorant-binding proteins from the natural predator <i>Chrysoperla sinica</i> suggest different strategies to hunt prey. Journal of Insect Physiology, 2018, 111, 25-31.	0.9	11
17	Antennal Olfactory Physiology and Behavior of Males of the Ponerine Ant <i>Harpegnathos saltator</i> . Journal of Chemical Ecology, 2018, 44, 999-1007.	0.9	13
18	Recent Advances in Behavioral (Epi)Genetics in Eusocial Insects. Annual Review of Genetics, 2018, 52, 489-510.	3.2	55

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19	Unraveling of Central Nervous System Disease Mechanisms Using CRISPR Genome Manipulation. <i>Journal of Central Nervous System Disease</i> , 2018, 10, 117957351878746.	0.7	7
20	Identification and expression analysis of putative chemoreception genes from <i>Cyrtorhinus lividipennis</i> (Hemiptera: Miridae) antennal transcriptome. <i>Scientific Reports</i> , 2018, 8, 12981.	1.6	25
21	Queen Control or Queen Signal in Ants: What Remains of the Controversy 25 Years After Keller and Nonacs's Seminal Paper?. <i>Journal of Chemical Ecology</i> , 2018, 44, 805-817.	0.9	24
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25	Cryo-EM structure of the insect olfactory receptor Orco. <i>Nature</i> , 2018, 560, 447-452.	13.7	322
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30	Invasive Insects: Management Methods Explored. <i>Journal of Insect Science</i> , 2019, 19, .	0.6	32
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35	Mutagenesis of odorant coreceptor <i>Orco</i> fully disrupts foraging but not oviposition behaviors in the hawkmoth <i>Manduca sexta</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15677-15685.	3.3	80
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38	The Mechanisms of Social Immunity Against Fungal Infections in Eusocial Insects. <i>Toxins</i> , 2019, 11, 244.	1.5	70
39	Functional characterization of pheromone receptors in the moth <i>Athetis dissimilis</i> (Lepidoptera: Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 6	1.6	24
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49	A chemically triggered transition from conflict to cooperation in burying beetles. <i>Ecology Letters</i> , 2020, 23, 467-475.	3.0	18
50	Odor coding of nestmate recognition in the eusocial ant <i>Camponotus floridanus</i> . <i>Journal of Experimental Biology</i> , 2020, 223, .	0.8	19
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157	Microstructures at the distal tip of ant chemosensory sensilla. <i>Scientific Reports</i> , 2022, 12, .	1.6	2

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158	Knockout of the odorant receptor co-receptor, orco, impairs feeding, mating and egg-laying behavior in the fall armyworm <i>Spodoptera frugiperda</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2023, 152, 103889.	1.2	8
159	<i>Drosophila</i> olfaction: past, present and future. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, .	1.2	6
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