Bill S Hansson

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4699006/publications.pdf

Version: 2024-02-01

354	21,280	9756	18075
papers	citations	73 h-index	120 g-index

392	392	392	10177
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Local olfactory interneurons provide the basis for neurochemical regionalization of olfactory glomeruli in crustaceans. Journal of Comparative Neurology, 2022, 530, 1399-1422.	0.9	2
2	Neuroecology of Alcohol Preference in Drosophila. Annual Review of Entomology, 2022, 67, 261-279.	5.7	1
3	Changes in antennal gene expression underlying sensory system maturation in Rhodnius prolixus. Insect Biochemistry and Molecular Biology, 2022, 140, 103704.	1.2	8
4	Competing beetles attract egg laying in a hawkmoth. Current Biology, 2022, 32, 861-869.e8.	1.8	17
5	Targeting Insect Olfaction in vivo and in vitro Using Functional Imaging. Frontiers in Cellular Neuroscience, 2022, 16, 839811.	1.8	4
6	Human Impacts on Insect Chemical Communication in the Anthropocene. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	7
7	Homeostasis of Mitochondrial Ca2+ Stores Is Critical for Signal Amplification in Drosophila melanogaster Olfactory Sensory Neurons. Insects, 2022, 13, 270.	1.0	3
8	Functional olfactory evolution in Drosophila suzukii and the subgenus Sophophora. IScience, 2022, 25, 104212.	1.9	12
9	Fast Learners: One Trial Olfactory Learning in Insects. Frontiers in Ecology and Evolution, 2022, 10, .	1.1	4
10	Odorant receptor orthologues in coniferâ€feeding beetles display conserved responses to ecologically relevant odours. Molecular Ecology, 2022, 31, 3693-3707.	2.0	11
11	The neuroethology of labeled lines in insect olfactory systems. , 2021, , 285-327.		4
12	Putative ligand binding sites of two functionally characterized bark beetle odorant receptors. BMC Biology, 2021, 19, 16.	1.7	46
13	Calmodulin regulates the olfactory performance in Drosophila melanogaster. Scientific Reports, 2021, 11, 3747.	1.6	17
14	Comparative dissection of the peripheral olfactory system of the Chagas disease vectors Rhodnius prolixus and Rhodnius brethesi. PLoS Neglected Tropical Diseases, 2021, 15, e0009098.	1.3	4
15	Variation in Manduca sexta Pollination-Related Floral Traits and Reproduction in a Wild Tobacco Plant. Frontiers in Ecology and Evolution, 2021, 9, .	1.1	1
16	Large-scale characterization of sex pheromone communication systems in Drosophila. Nature Communications, 2021, 12, 4165.	5.8	48
17	Host Plant Constancy in Ovipositing Manduca sexta. Journal of Chemical Ecology, 2021, 47, 1042-1048.	0.9	5
18	Moths sense but do not learn flower odors with their proboscis during flower investigation. Journal of Experimental Biology, 2021, 224, .	0.8	5

#	Article	IF	Citations
19	More than one way to smell ashore â€“ Evolution of the olfactory pathway in terrestrial malacostracan crustaceans. Arthropod Structure and Development, 2021, 60, 101022.	0.8	9
20	Functional Interaction Between Drosophila Olfactory Sensory Neurons and Their Support Cells. Frontiers in Cellular Neuroscience, 2021, 15, 789086.	1.8	17
21	The Molecular Basis of Host Selection in a Crucifer-Specialized Moth. Current Biology, 2020, 30, 4476-4482.e5.	1.8	67
22	Comparative morphological and transcriptomic analyses reveal chemosensory genes in the poultry red mite, Dermanyssus gallinae. Scientific Reports, 2020, 10, 17923.	1.6	7
23	Pollination in the Anthropocene: a Moth Can Learn Ozone-Altered Floral Blends. Journal of Chemical Ecology, 2020, 46, 987-996.	0.9	25
24	Variable dependency on associated yeast communities influences host range in Drosophila species. Oikos, 2020, 129, 964-982.	1.2	18
25	Olfactory receptor and circuit evolution promote host specialization. Nature, 2020, 579, 402-408.	13.7	131
26	Mate discrimination among subspecies through a conserved olfactory pathway. Science Advances, 2020, 6, eaba5279.	4.7	41
27	Developmental and sexual divergence in the olfactory system of the marine insect Clunio marinus. Scientific Reports, 2020, 10, 2125.	1.6	7
28	The role of mitochondria in shaping odor responses in Drosophila melanogaster olfactory sensory neurons. Cell Calcium, 2020, 87, 102179.	1.1	6
29	Functional morphology of the primary olfactory centers in the brain of the hermit crab Coenobita clypeatus (Anomala, Coenobitidae). Cell and Tissue Research, 2020, 380, 449-467.	1.5	9
30	Functional integration of â€œundeadâ€•neurons in the olfactory system. Science Advances, 2020, 6, eaaz7238.	4.7	31
31	Sawfly Genomes Reveal Evolutionary Acquisitions That Fostered the Mega-Radiation of Parasitoid and Eusocial Hymenoptera. Genome Biology and Evolution, 2020, 12, 1099-1188.	1.1	17
32	Odor-Induced Multi-Level Inhibitory Maps in Drosophila. ENeuro, 2020, 7, ENEURO.0213-19.2019.	0.9	6
33	Divergent sensory investment mirrors potential speciation via niche partitioning across Drosophila. ELife, 2020, 9, .	2.8	14
34	Drosophila melanogaster chemical ecology revisited: 2-D distribution maps of sex pheromones on whole virgin and mated flies by mass spectrometry imaging. BMC Zoology, 2020, 5, .	0.3	2
35	Transcriptome Surveys in Silverfish Suggest a Multistep Origin of the Insect Odorant Receptor Gene Family. Frontiers in Ecology and Evolution, 2019, 7, .	1.1	17
36	Third-Order Neurons in the Lateral Horn Enhance Bilateral Contrast of Odor Inputs Through Contralateral Inhibition in Drosophila. Frontiers in Physiology, 2019, 10, 851.	1.3	13

#	Article	IF	Citations
37	Plant-Based Natural Product Chemistry for Integrated Pest Management of Drosophila suzukii. Journal of Chemical Ecology, 2019, 45, 626-637.	0.9	19
38	Optimization of Insect Odorant Receptor Trafficking and Functional Expression Via Transient Transfection in HEK293 Cells. Chemical Senses, 2019, 44, 673-682.	1.1	10
39	Mutagenesis of odorant coreceptor Orco fully disrupts foraging but not oviposition behaviors in the hawkmoth Manduca sexta. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15677-15685.	3.3	80
40	Gut microbiota affects development and olfactory behavior in Drosophila melanogaster. Journal of Experimental Biology, 2019, 222, .	0.8	68
41	Acetoin, a key odor for resource location in the giant robber crab, Birgus latro. Journal of Experimental Biology, 2019, 222, .	0.8	2
42	Transcriptome Analysis of Gene Families Involved in Chemosensory Function in Spodoptera littoralis (Lepidoptera: Noctuidae). BMC Genomics, 2019, 20, 428.	1.2	69
43	Beneficial and Pathogenic Arabidopsis Root-Interacting Fungi Differently Affect Auxin Levels and Responsive Genes During Early Infection. Frontiers in Microbiology, 2019, 10, 380.	1.5	28
44	Inverse resource allocation between vision and olfaction across the genus Drosophila. Nature Communications, 2019, 10, 1162.	5.8	80
45	Odor mixtures of opposing valence unveil inter-glomerular crosstalk in the Drosophila antennal lobe. Nature Communications, 2019, 10, 1201.	5.8	58
46	The olfactory coreceptor IR8a governs larval feces-mediated competition avoidance in a hawkmoth. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21828-21833.	3.3	73
47	Flower movement balances pollinator needs and pollen protection. Ecology, 2019, 100, e02553.	1.5	20
48	Low Ca2+ levels in the culture media support the heterologous expression of insect odorant receptor proteins in HEK cells. Journal of Neuroscience Methods, 2019, 312, 122-125.	1.3	11
49	The Drosophila Carbon Dioxide Receptor as Key Regulator of Odor Valence. Neuron, 2018, 97, 996-997.	3.8	1
50	Spatial Representation of Feeding and Oviposition Odors in the Brain of a Hawkmoth. Cell Reports, 2018, 22, 2482-2492.	2.9	53
51	A context-dependent induction of natal habitat preference in a generalist herbivorous insect. Behavioral Ecology, 2018, 29, 360-367.	1.0	26
52	Biosynthetic and Functional Colorâ€“Scent Associations in Flowers of Papaver nudicaule and Their Impact on Pollinators. ChemBioChem, 2018, 19, 1553-1562.	1.3	8
53	Evaluation of the DREAM Technique for a High-Throughput Deorphanization of Chemosensory Receptors in Drosophila. Frontiers in Molecular Neuroscience, 2018, 11, 366.	1.4	22
54	The Olfactory Logic behind Fruit Odor Preferences in Larval and Adult Drosophila. Cell Reports, 2018, 23, 2524-2531.	2.9	50

#	Article	IF	Citations
55	Combinatorial Codes and Labeled Lines: How Insects Use Olfactory Cues to Find and Judge Food, Mates, and Oviposition Sites in Complex Environments. Frontiers in Physiology, 2018, 9, 49.	1.3	130
56	Ecological and Phylogenetic Relationships Shape the Peripheral Olfactory Systems of Highly Specialized Gall Midges (Cecidomiiydae). Frontiers in Physiology, 2018, 9, 323.	1.3	9
57	Sensilla Morphology and Complex Expression Pattern of Odorant Binding Proteins in the Vetch Aphid Megoura viciae (Hemiptera: Aphididae). Frontiers in Physiology, 2018, 9, 777.	1.3	29
58	The Drosophila melanogaster Na+/Ca2+ Exchanger CALX Controls the Ca2+ Level in Olfactory Sensory Neurons at Rest and After Odorant Receptor Activation. Frontiers in Cellular Neuroscience, 2018, 12, 186.	1.8	13
59	Floral Trait Variations Among Wild Tobacco Populations Influence the Foraging Behavior of Hawkmoth Pollinators. Frontiers in Ecology and Evolution, 2018, 6, .	1.1	17
60	Host Attraction and Selection in the Swede Midge (Contarinia nasturtii). Frontiers in Ecology and Evolution, 2018, 6, .	1.1	2
61	Synaptic Spinules in the Olfactory Circuit of Drosophila melanogaster. Frontiers in Cellular Neuroscience, 2018, 12, 86.	1.8	4
62	Olfactory language and abstraction across cultures. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170139.	1.8	50
63	Potencies of effector genes in silencing odor-guided behavior in Drosophila melanogaster. Journal of Experimental Biology, 2017, 220, 1812-1819.	0.8	2
64	Identification and characterization of the bombykal receptor in the hawkmoth Manduca sexta. Journal of Experimental Biology, 2017, 220, 1781-1786.	0.8	25
65	Tissue-Specific Emission of (E)-Î±-Bergamotene Helps Resolve the Dilemma When Pollinators Are Also Herbivores. Current Biology, 2017, 27, 1336-1341.	1.8	67
66	Functional evolution of Lepidoptera olfactory receptors revealed by deorphanization of a moth repertoire. Nature Communications, 2017, 8, 15709.	5.8	154
67	Pathogenic bacteria enhance dispersal through alteration of Drosophila social communication. Nature Communications, 2017, 8, 265.	5.8	54
68	Calcium imaging revealed no modulatory effect on odor-evoked responses of the Drosophila antennal lobe by two populations of inhibitory local interneurons. Scientific Reports, 2017, 7, 7854.	1.6	6
69	Electrical synapses mediate synergism between pheromone and food odors in Drosophila melanogaster. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E9962-E9971.	3.3	54
70	Olfactory coding from the periphery to higher brain centers in the Drosophila brain. BMC Biology, 2017, 15, 56.	1.7	52
71	Herbivore-Induced Changes in Cotton Modulates Reproductive Behavior in the Moth Spodoptera littoralis. Frontiers in Ecology and Evolution, 2017, 5, .	1.1	10
72	Comparing the Expression of Olfaction-Related Genes in Gypsy Moth (Lymantria dispar) Adult Females and Larvae from One Flightless and Two Flight-Capable Populations. Frontiers in Ecology and Evolution, 2017, 5, .	1.1	10

#	Article	IF	Citations
73	A Drosophila female pheromone elicits species-specific long-range attraction via an olfactory channel with dual specificity for sex and food. BMC Biology, 2017, 15, 88.	1.7	74
74	Hawkmoths evaluate scenting flowers with the tip of their proboscis. ELife, 2016, 5, .	2.8	56
75	Functional Olfactory Sensory Neurons Housed in Olfactory Sensilla on the Ovipositor of the Hawkmoth Manduca sexta. Frontiers in Ecology and Evolution, 2016, 4, .	1.1	19
76	Calmodulin Affects Sensitization of Drosophila melanogaster Odorant Receptors. Frontiers in Cellular Neuroscience, 2016, 10, 28.	1.8	29
77	Chemical Ecology in Insects. , 2016, , 29-45.		5
78	A Challenge for a Male Noctuid Moth? Discerning the Female Sex Pheromone against the Background of Plant Volatiles. Frontiers in Physiology, 2016, 7, 143.	1.3	27
79	Odor induced cAMP production in Drosophila melanogaster olfactory sensory neurons. Journal of Experimental Biology, 2016, 219, 1798-803.	0.8	25
80	Intracellular regulation of the insect chemoreceptor complex impacts odor localization in flying insects. Journal of Experimental Biology, 2016, 219, 3428-3438.	0.8	37
81	Elucidating the Neuronal Architecture of Olfactory Glomeruli in the Drosophila Antennal Lobe. Cell Reports, 2016, 16, 3401-3413.	2.9	156
82	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, Manduca sexta. Insect Biochemistry and Molecular Biology, 2016, 76, 118-147.	1.2	154
83	The mouse receptor transporting protein RTP1S and the fly SNMP1 support the functional expression of the Drosophila odorant coreceptor Orco in mammalian culture cells. Journal of Neuroscience Methods, 2016, 271, 149-153.	1.3	12
84	Synaptic circuitry of identified neurons in the antennal lobe of Drosophila melanogaster. Journal of Comparative Neurology, 2016, 524, 1920-1956.	0.9	56
85	The Aggregation Pheromone of Phyllotreta striolata (Coleoptera: Chrysomelidae) Revisited. Journal of Chemical Ecology, 2016, 42, 748-755.	0.9	13
86	Adult Frass Provides a Pheromone Signature for Drosophila Feeding and Aggregation. Journal of Chemical Ecology, 2016, 42, 739-747.	0.9	52
87	Innate olfactory preferences for flowers matching proboscis length ensure optimal energy gain in a hawkmoth. Nature Communications, 2016, 7, 11644.	5.8	48
88	Soil substrates affect responses of root feeding larvae to their hosts at multiple levels: Orientation, locomotion and feeding. Basic and Applied Ecology, 2016, 17, 115-124.	1.2	9
89	Notes on the Foraging Strategies of the Giant Robber Crab (Anomala) on Christmas Island: Evidence for Active Predation on Red Crabs (Brachyura). Zoological Studies, 2016, 55, e6.	0.3	3
90	Olfactory channels associated with the Drosophila maxillary palp mediate short- and long-range attraction. ELife, 2016, 5, .	2.8	59

#	Article	IF	Citations
91	A novel olfactory pathway is essential for fast and efficient blood-feeding in mosquitoes. Scientific Reports, 2015, 5, 13444.	1.6	43
92	High-resolution Quantification of Odor-guided Behavior in Drosophila melanogaster Using the Flywalk Paradigm. Journal of Visualized Experiments, 2015, , e53394.	0.2	3
93	Feeding regulates sex pheromone attraction and courtship in Drosophila females. Scientific Reports, 2015, 5, 13132.	1.6	66
94	Central projections of antennular chemosensory and mechanosensory afferents in the brain of the terrestrial hermit crab (Coenobita clypeatus; Coenobitidae, Anomura). Frontiers in Neuroanatomy, 2015, 9, 94.	0.9	16
95	Drosophila Avoids Parasitoids by Sensing Their Semiochemicals via a Dedicated Olfactory Circuit. PLoS Biology, 2015, 13, e1002318.	2.6	145
96	Pheromones mediating copulation and attraction in Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E2829-35.	3.3	231
97	Digital in vivo 3D atlas of the antennal lobe of Drosophila melanogaster. Journal of Comparative Neurology, 2015, 523, 530-544.	0.9	92
98	Olfactory Proxy Detection of Dietary Antioxidants in Drosophila. Current Biology, 2015, 25, 455-466.	1.8	104
99	Concurrent modulation of neuronal and behavioural olfactory responses to sex and host plant cues in a male moth. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141884.	1.2	35
100	Olfactory Specialization in Drosophila suzukii Supports an Ecological Shift in Host Preference from Rotten to Fresh Fruit. Journal of Chemical Ecology, 2015, 41, 121-128.	0.9	179
101	Functional loss of yeast detectors parallels transition to herbivory. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2927-2928.	3.3	3
102	The plastic response of Manduca sexta to host and non-host plants. Insect Biochemistry and Molecular Biology, 2015, 63, 72-85.	1.2	66
103	Desert ants use olfactory scenes for navigation. Animal Behaviour, 2015, 106, 99-105.	0.8	51
104	Novel Set-Up for Low-Disturbance Sampling of Volatile and Non-volatile Compounds from Plant Roots. Journal of Chemical Ecology, 2015, 41, 253-266.	0.9	35
105	A reference gene set for chemosensory receptor genes of Manduca sexta. Insect Biochemistry and Molecular Biology, 2015, 66, 51-63.	1.2	108
106	Identification of Odorant Binding Proteins and Chemosensory Proteins in Antennal Transcriptomes of the Jumping BristletailLepismachilis y-signataand the FirebratThermobia domestica:Evidence for an Independent OBPâ€“OR Origin. Chemical Senses, 2015, 40, 615-626.	1.1	30
107	Temporal Features of Spike Trains in the Moth Antennal Lobe Revealed by a Comparative Time-Frequency Analysis. PLoS ONE, 2014, 9, e84037.	1.1	4
108	Morphology and Histochemistry of the Aesthetasc-Associated Epidermal Glands in Terrestrial Hermit Crabs of the Genus Coenobita (Decapoda: Paguroidea). PLoS ONE, 2014, 9, e96430.	1.1	18

#	Article	IF	Citations
109	Dopamine drives Drosophila sechellia adaptation to its toxic host. ELife, 2014, 3, .	2.8	45
110	Mate recognition and reproductive isolation in the sibling species Spodoptera littoralis and Spodoptera litura. Frontiers in Ecology and Evolution, 2014, 2, .	1.1	27
111	Dimerisation of the Drosophila odorant coreceptor Orco. Frontiers in Cellular Neuroscience, 2014, 8, 261.	1.8	30
112	The banana codeâ€"natural blend processing in the olfactory circuitry of Drosophila melanogaster. Frontiers in Physiology, 2014, 5, 59.	1.3	31
113	Identification of Plant Semiochemicals and Characterization of New Olfactory Sensory Neuron Types in a Polyphagous Pest Moth, Spodoptera littoralis. Chemical Senses, 2014, 39, 719-733.	1.1	19
114	Physiological Organization and Topographic Mapping of the Antennal Olfactory Sensory Neurons in Female Hawkmoths, Manduca sexta. Chemical Senses, 2014, 39, 655-671.	1.1	29
115	Mapping odor valence in the brain of flies and mice. Current Opinion in Neurobiology, 2014, 24, 34-38.	2.0	35
116	Neuropeptides in the antennal lobe of the yellow fever mosquito, Aedes aegypti. Journal of Comparative Neurology, 2014, 522, 592-608.	0.9	44
117	Desert Ants Locate Food by Combining High Sensitivity to Food Odors with Extensive Crosswind Runs. Current Biology, 2014, 24, 960-964.	1.8	84
118	From Organism to Molecule and Back â€“ Insect Olfaction During 40 Years. Journal of Chemical Ecology, 2014, 40, 409-410.	0.9	6
119	Phyllotreta striolataflea beetles use host plant defense compounds to create their own glucosinolate-myrosinase system. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7349-7354.	3.3	116
120	Anatomical and functional analysis of domestication effects on the olfactory system of the silkmoth Bombyx mori. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20132582.	1.2	16
121	Compound valence is conserved in binary odor mixtures in Drosophila melanogaster. Journal of Experimental Biology, 2014, 217, 3645-55.	0.8	28
122	Comparative Neuroanatomy of the Antennal Lobes of 2 Homopteran Species. Chemical Senses, 2014, 39, 283-294.	1.1	15
123	Calmodulin modulates insect odorant receptor function. Cell Calcium, 2014, 55, 191-199.	1.1	51
124	Herbivoreâ€induced volatile emission in black poplar: regulation and role in attracting herbivore enemies. Plant, Cell and Environment, 2014, 37, 1909-1923.	2.8	120
125	Love makes smell blind: mating suppresses pheromone attraction in Drosophila females via Or65a olfactory neurons. Scientific Reports, 2014, 4, 7119.	1.6	61
126	Expression of ionotropic receptors in terrestrial hermit crab's olfactory sensory neurons. Frontiers in Cellular Neuroscience, 2014, 8, 448.	1.8	34

#	Article	IF	Citations
127	Evolution of insect olfactory receptors. ELife, 2014, 3, e02115.	2.8	249
128	Decoding odor quality and intensity in the Drosophila brain. ELife, 2014, 3, e04147.	2.8	135
129	Antennal transcriptome analysis of the chemosensory gene families in the tree killing bark beetles, Ips typographus and Dendroctonus ponderosae (Coleoptera: Curculionidae: Scolytinae). BMC Genomics, 2013, 14, 198.	1.2	216
130	Comparison of plant preference hierarchies of male and female moths and the impact of larval rearing hosts. Ecology, 2013, 94, 1744-1752.	1.5	80
131	Larval host plant experience modulates both mate finding and oviposition choice in a moth. Animal Behaviour, 2013, 85, 1169-1175.	0.8	82
132	The antennal lobe of Libellula depressa (Odonata, Libellulidae). Zoology, 2013, 116, 205-214.	0.6	21
133	Distribution of neuropeptides in the antennal lobes of male Spodoptera littoralis. Cell and Tissue Research, 2013, 354, 431-440.	1.5	3
134	Herbivoreâ€induced plant volatiles provide associational resistance against an ovipositing herbivore. Journal of Ecology, 2013, 101, 410-417.	1.9	69
135	Specific response to herbivore-induced de novo synthesized plant volatiles provide reliable information for host plant selection in a moth. Journal of Experimental Biology, 2013, 216, 3257-63.	0.8	48
136	Feeding-induced rearrangement of green leaf volatiles reduces moth oviposition. ELife, 2013, 2, e00421.	2.8	65
137	Olfactory Preference for Egg Laying on Citrus Substrates in Drosophila. Current Biology, 2013, 23, 2472-2480.	1.8	234
138	Host plant-driven sensory specialization inDrosophila erecta. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130626.	1.2	105
139	Specialized But Flexible. Science, 2013, 339, 151-152.	6.0	1
140	Plant Species- and Status-specific Odorant Blends Guide Oviposition Choice in the Moth Manduca sexta. Chemical Senses, 2013, 38, 147-159.	1.1	53
141	Electroantennogram and Single Sensillum Recording in Insect Antennae. Methods in Molecular Biology, 2013, 1068, 157-177.	0.4	75
142	Flexible weighing of olfactory and vector information in the desert ant Cataglyphis fortis. Biology Letters, 2013, 9, 20130070.	1.0	13
143	The CCHamide 1 receptor modulates sensory perception and olfactory behavior in starved Drosophila. Scientific Reports, 2013, 3, 2765.	1.6	64
144	Insect Odorant Response Sensitivity Is Tuned by Metabotropically Autoregulated Olfactory Receptors. PLoS ONE, 2013, 8, e58889.	1.1	71

#	Article	IF	Citations
145	In situ Tip-Recordings Found No Evidence for an Orco-Based Ionotropic Mechanism of Pheromone-Transduction in Manduca sexta. PLoS ONE, 2013, 8, e62648.	1.1	33
146	Intraspecific Combinations of Flower and Leaf Volatiles Act Together in Attracting Hawkmoth Pollinators. PLoS ONE, 2013, 8, e72805.	1.1	24
147	Caste-Specific Expression Patterns of Immune Response and Chemosensory Related Genes in the Leaf-Cutting Ant, Atta vollenweideri. PLoS ONE, 2013, 8, e81518.	1.1	30
148	The hermit crab's noseâ€"antennal transcriptomics. Frontiers in Neuroscience, 2013, 7, 266.	1.4	26
149	Divergence in Olfactory Host Plant Preference in D. mojavensis in Response to Cactus Host Use. PLoS ONE, 2013, 8, e70027.	1.1	42
150	Host Plant Odors Represent Immiscible Information Entities - Blend Composition and Concentration Matter in Hawkmoths. PLoS ONE, 2013, 8, e77135.	1.1	20
151	Sense of achievement. ELife, 2013, 2, e01605.	2.8	1
152	Antennal Lobe Processing Correlates to Moth Olfactory Behavior. Journal of Neuroscience, 2012, 32, 5772-5782.	1.7	35
153	A Flux Capacitor for Moth Pheromones. Chemical Senses, 2012, 37, 295-298.	1.1	4
154	Floral to green: mating switches moth olfactory coding and preference. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 2314-2322.	1.2	137
155	Transition from sea to land: olfactory function and constraints in the terrestrial hermit crabCoenobita clypeatus. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 3510-3519.	1.2	38
156	Spatial Organization of Antennal Olfactory Sensory Neurons in the Female Spodoptera littoralis Moth: Differences in Sensitivity and Temporal Characteristics. Chemical Senses, 2012, 37, 613-629.	1.1	61
157	Olfactory coding in five moth species from two families. Journal of Experimental Biology, 2012, 215, 1542-1551.	0.8	16
158	A high-throughput behavioral paradigm for Drosophila olfaction - The Flywalk. Scientific Reports, 2012, 2, 361.	1.6	78
159	A Conserved Dedicated Olfactory Circuit for Detecting Harmful Microbes in Drosophila. Cell, 2012, 151, 1345-1357.	13.5	533
160	Inducibility of chemical defenses in Norway spruce bark is correlated with unsuccessful mass attacks by the spruce bark beetle. Oecologia, 2012, 170, 183-198.	0.9	120
161	Spatial Representation of Odorant Valence in an Insect Brain. Cell Reports, 2012, 1, 392-399.	2.9	181
162	Neuropeptide complexity in the crustacean central olfactory pathway: immunolocalization of A-type allatostatins and RFamide-like peptides in the brain of a terrestrial hermit crab. Molecular Brain, 2012, 5, 29.	1.3	20

#	Article	IF	Citations
163	Discrimination Training with Multimodal Stimuli Changes Activity in the Mushroom Body of the Hawkmoth Manduca sexta. PLoS ONE, 2012, 7, e32133.	1.1	10
164	Desert Ants Learn Vibration and Magnetic Landmarks. PLoS ONE, 2012, 7, e33117.	1.1	47
165	Molecular and Functional Characterization of the Odorant Receptor2 (OR2) in the Tiger Mosquito Aedes albopictus. PLoS ONE, 2012, 7, e36538.	1.1	22
166	Plant odorants interfere with detection of sex pheromone signals by male Heliothis virescens. Frontiers in Cellular Neuroscience, 2012, 6, 42.	1.8	47
167	Temporal response dynamics of Drosophila olfactory sensory neurons depends on receptor type and response polarity. Frontiers in Cellular Neuroscience, 2012, 6, 54.	1.8	70
168	Non-linear blend coding in the moth antennal lobe emerges from random glomerular networks. Frontiers in Neuroengineering, 2012, 5, 6.	4.8	13
169	Candidate chemosensory Genes in Female Antennae of the Noctuid Moth Spodoptera littoralis. International Journal of Biological Sciences, 2012, 8, 1036-1050.	2.6	83
170	Neurogenesis in the central olfactory pathway of adult decapod crustaceans: development of the neurogenic niche in the brains of procambarid crayfish. Neural Development, 2012, 7, 1.	1.1	44
171	Neuronal organization of the hemiellipsoid body of the land hermit crab, Coenobita clypeatus: Correspondence with the mushroom body ground pattern. Journal of Comparative Neurology, 2012, 520, 2824-2846.	0.9	52
172	Comparative brain architecture of the European shore crab Carcinus maenas (Brachyura) and the common hermit crab Pagurus bernhardus (Anomura) with notes on other marine hermit crabs. Cell and Tissue Research, 2012, 348, 47-69.	1.5	57
173	Path Integration Controls Nest-Plume Following in Desert Ants. Current Biology, 2012, 22, 645-649.	1.8	72
174	Yeast, not fruit volatiles mediate <scp>D</scp>rosophila melanogaster attraction, oviposition and development. Functional Ecology, 2012, 26, 822-828.	1.7	355
175	Attraction of Drosophila melanogaster males to food-related and fly odours. Journal of Insect Physiology, 2012, 58, 125-129.	0.9	61
176	Comparative analysis of deutocerebral neuropils in Chilopoda (Myriapoda): implications for the evolution of the arthropod olfactory system and support for the Mandibulata concept. BMC Neuroscience, 2012, 13, 1-17.	0.8	102
177	Sensing the Underground â€“ Ultrastructure and Function of Sensory Organs in Root-Feeding Melolontha melolontha (Coleoptera: Scarabaeinae) Larvae. PLoS ONE, 2012, 7, e41357.	1.1	69
178	Giant Robber Crabs Monitored from Space: GPS-Based Telemetric Studies on Christmas Island (Indian) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.1	20
179	A natural polymorphism alters odour and DEET sensitivity in an insect odorant receptor. Nature, 2011, 478, 511-514.	13.7	164
180	A Genome Befitting a Monarch. Cell, 2011, 147, 970-972.	13.5	1

#	Article	IF	Citations
181	A Genome Befitting a Monarch. Cell, 2011, 147, 1420.	13.5	0
182	Evolution of Insect Olfaction. Neuron, 2011, 72, 698-711.	3.8	630
183	Phosphorylation via PKC Regulates the Function of the Drosophila Odorant Co-Receptor. Frontiers in Cellular Neuroscience, 2011, 5, 5.	1.8	82
184	Neuronal Processing of Complex Mixtures Establishes a Unique Odor Representation in the Moth Antennal Lobe. Frontiers in Neural Circuits, 2011, 5, 7.	1.4	34
185	Mosquito Feeding Affects Larval Behaviour and Development in a Moth. PLoS ONE, 2011, 6, e25658.	1.1	11
186	Development of the nervous system in hatchlings of Spadella cephaloptera (Chaetognatha), and implications for nervous system evolution in Bilateria. Development Growth and Differentiation, 2011, 53, 740-759.	0.6	15
187	Piezo controlled microinjection: An in vivo complement for in vitro sensory studies in insects. Journal of Neuroscience Methods, 2011, 201, 385-389.	1.3	12
188	Pollination by brood-site deception. Phytochemistry, 2011, 72, 1655-1666.	1.4	117
189	First Order Processing of Complex Olfactory Information in the Moth Brain. Procedia Computer Science, 2011, 7, 258-260.	1.2	3
190	New insights into an ancient insect nose: The olfactory pathway of Lepismachilis y-signata (Archaeognatha: Machilidae). Arthropod Structure and Development, 2011, 40, 317-333.	0.8	24
191	Male Phyllotreta striolata (F.) Produce an Aggregation Pheromone: Identification of Male-specific compounds and Interaction with Host Plant Volatiles. Journal of Chemical Ecology, 2011, 37, 85-97.	0.9	42
192	A novel multicomponent stimulus device for use in olfactory experiments. Journal of Neuroscience Methods, 2011, 195, 1-9.	1.3	83
193	Conserved, Highly Specialized Olfactory Receptor Neurons for Food Compounds in 2 Congeneric Scarab Beetles, Pachnoda interrupta and Pachnoda marginata. Chemical Senses, 2011, 36, 499-513.	1.1	24
194	Smells like aphids: orchid flowers mimic aphid alarm pheromones to attract hoverflies for pollination. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1216-1222.	1.2	63
195	Organization of Deutocerebral Neuropils and Olfactory Behavior in the Centipede Scutigera coleoptrata (Linnaeus, 1758) (Myriapoda: Chilopoda). Chemical Senses, 2011, 36, 43-61.	1.1	50
196	Desert ants benefit from combining visual and olfactory landmarks. Journal of Experimental Biology, 2011, 214, 1307-1312.	0.8	79
197	A Unified Nomenclature System for the Insect Olfactory Coreceptor. Chemical Senses, 2011, 36, 497-498.	1.1	280
198	Antennal transcriptome of Manduca sexta. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 7449-7454.	3.3	269

#	Article	IF	Citations
199	Odour Maps in the Brain of Butterflies with Divergent Host-Plant Preferences. PLoS ONE, 2011, 6, e24025.	1.1	23
200	Sex-specific odorant receptors of the tobacco hornworm Manduca sexta. Frontiers in Cellular Neuroscience, 2010, 4, .	1.8	38
201	Sequencing of Culex quinquefasciatus Establishes a Platform for Mosquito Comparative Genomics. Science, 2010, 330, 86-88.	6.0	424
202	Towards plant-odor-related olfactory neuroethology in Drosophila. Chemoecology, 2010, 20, 51-61.	0.6	28
203	Macroglomeruli for fruit odors change blend preference in Drosophila. Die Naturwissenschaften, 2010, 97, 1059-1066.	0.6	55
204	Flying the Fly: Long-range Flight Behavior of Drosophila melanogaster to Attractive Odors. Journal of Chemical Ecology, 2010, 36, 599-607.	0.9	151
205	Pheromone-based Mating and Aggregation in the Sorghum Chafer, Pachnoda interrupta. Journal of Chemical Ecology, 2010, 36, 768-777.	0.9	11
206	Influence of blood meal on the responsiveness of olfactory receptor neurons in antennal sensilla trichodea of the yellow fever mosquito, Aedes aegypti. Journal of Insect Physiology, 2010, 56, 659-665.	0.9	49
207	Gall midge olfaction: Pheromone sensitive olfactory neurons in Contarinia nasturtii and Mayetiola destructor. Journal of Insect Physiology, 2010, 56, 1306-1314.	0.9	14
208	Ostrinia revisited: Evidence for sex linkage in European Corn Borer Ostrinia nubilalis (Hubner) pheromone reception. BMC Evolutionary Biology, 2010, 10, 285.	3.2	23
209	Inheritance of central neuroanatomy and physiology related to pheromone preference in the male European corn borer. BMC Evolutionary Biology, 2010, 10, 286.	3.2	28
210	Do desert ants smell the scenery in stereo?. Animal Behaviour, 2010, 79, 939-945.	0.8	66
211	To be or not to beâ€¦ a vampire: A matter of sensillum numbers in Calyptra thalictri?. Arthropod Structure and Development, 2010, 39, 322-333.	0.8	27
212	A Deceptive Pollination System Targeting Drosophilids through Olfactory Mimicry of Yeast. Current Biology, 2010, 20, 1846-1852.	1.8	165
213	Does risk of egg parasitism affect choice of oviposition sites by a moth? A field and laboratory study. Basic and Applied Ecology, 2010, 11, 135-143.	1.2	32
214	Immunohistochemical analysis and 3D reconstruction of the cephalic nervous system in Chaetognatha: insights into the evolution of an early bilaterian brain?. Invertebrate Biology, 2010, 129, 77-104.	0.3	16
215	Pollination strategies in Cretan Arum lilies. Biological Journal of the Linnean Society, 2010, 101, 991-1001.	0.7	21
216	Molecular phylogeny of the genus Arum (Araceae) inferred from multiâ€“locus sequence data and AFLPs. Taxon, 2010, 59, 405-415.	0.4	16

#	Article	IF	Citations
217	A Silicon Olfactome. Chemical Senses, 2010, 35, 541-543.	1.1	0
218	Physiological and Morphological Characterization of Local Interneurons in the Drosophila Antennal Lobe. Journal of Neurophysiology, 2010, 104, 1007-1019.	0.9	127
219	The Neural and Behavioral Basis of Chemical Communication in Terrestrial Crustaceans. , 2010, , 149-173.		6
220	Brain architecture of the largest living land arthropod, the Giant Robber Crab Birgus latro (Crustacea, Anomura, Coenobitidae): evidence for a prominent central olfactory pathway?. Frontiers in Zoology, 2010, 7, 25.	0.9	55
221	Interaction of visual and odour cues in the mushroom body of the hawkmothManduca sexta. Journal of Experimental Biology, 2009, 212, 535-541.	0.8	44
222	Peripheral modulation of olfaction by physiological state in the Egyptian leaf worm Spodoptera littoralis (Lepidoptera: Noctuidae). Journal of Insect Physiology, 2009, 55, 793-797.	0.9	31
223	Fine structure of the ventral nerve centre and interspecific identification of individual neurons in the enigmatic Chaetognatha. Zoomorphology, 2009, 128, 53-73.	0.4	16
224	Field Attractants for Pachnoda interrupta Selected by Means of GC-EAD and Single Sensillum Screening. Journal of Chemical Ecology, 2009, 35, 1063-1076.	0.9	47
225	Smells like home: Desert ants, Cataglyphis fortis, use olfactory landmarks to pinpoint the nest. Frontiers in Zoology, 2009, 6, 5.	0.9	110
226	dOr83bâ€"Receptor or Ion Channel?. Annals of the New York Academy of Sciences, 2009, 1170, 164-167.	1.8	14
227	Identification of a Sex Pheromone Produced by Sternal Glands in Females of the Caddisfly Molanna angustata Curtis. Journal of Chemical Ecology, 2008, 34, 220-8.	0.9	23
228	Brain architecture in the terrestrial hermit crab Coenobita clypeatus(Anomura, Coenobitidae), a crustacean with a good aerial sense of smell. BMC Neuroscience, 2008, 9, 58.	0.8	103
229	Immunocytochemical localization of serotonin in the central and peripheral chemosensory system of mosquitoes. Arthropod Structure and Development, 2008, 37, 248-259.	0.8	64
230	Global and local modulatory supply to the mushroom bodies of the moth Spodoptera littoralis. Arthropod Structure and Development, 2008, 37, 260-272.	0.8	10
231	Genetic Variability and Robustness of Host Odor Preference in Drosophila melanogaster. Current Biology, 2008, 18, 1438-1443.	1.8	63
232	Drosophila odorant receptors are both ligand-gated and cyclic-nucleotide-activated cation channels. Nature, 2008, 452, 1007-1011.	13.7	781
233	Characterization of Antennal Trichoid Sensilla from Female Southern House Mosquito, Culex quinquefasciatus Say. Chemical Senses, 2008, 34, 231-252.	1.1	80
234	Reversed functional topology in the antennal lobe of the male European corn borer. Journal of Experimental Biology, 2008, 211, 2841-2848.	0.8	55

#	Article	IF	Citations
235	Natural odor ligands for olfactory receptor neurons of the female mosquito Aedes aegypti: use of gas chromatography-linked single sensillum recordings. Journal of Experimental Biology, 2008, 211, 3020-3027.	0.8	74
236	Aglomerular Hemipteran Antennal Lobes--Basic Neuroanatomy of a Small Nose. Chemical Senses, 2008, 33, 771-778.	1.1	38
237	The Cayman Crab Fly Revisited â€" Phylogeny and Biology of Drosophila endobranchia. PLoS ONE, 2008, 3, e1942.	1.1	9
238	Increased Behavioral and Neuronal Sensitivity to Sex Pheromone after Brief Odor Experience in a Moth. Chemical Senses, 2007, 32, 483-491.	1.1	73
239	Component Information Is Preserved in Glomerular Responses to Binary Odor Mixtures in the Moth Spodoptera littoralis. Chemical Senses, 2007, 32, 433-443.	1.1	36
240	Time and space are complementary encoding dimensions in the moth antennal lobe. Network: Computation in Neural Systems, 2007, 18, 35-62.	2.2	10
241	Behavioural and electrophysiological response of sorghum chafer Pachnoda interrupta (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Over	0.4	16
242	Functional classification and central nervous projections of olfactory receptor neurons housed in antennal trichoid sensilla of female yellow fever mosquitoes, Aedes aegypti. European Journal of Neuroscience, 2007, 26, 1611-1623.	1.2	85
243	Flies' lives on a crab. Current Biology, 2007, 17, R743-R746.	1.8	5
244	The antennal lobe of the African malaria mosquito, Anopheles gambiae â€" innervation and three-dimensional reconstruction. Arthropod Structure and Development, 2007, 36, 23-39.	0.8	68
245	An artificial moth: Chemical source localization using a robot based neuronal model of moth optomotor anemotactic search. Autonomous Robots, 2006, 20, 197-213.	3.2	110
246	Antennal lobe projection destinations of Helicoverpa zea male olfactory receptor neurons responsive to heliothine sex pheromone components. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2006, 192, 351-363.	0.7	33
247	Functional division of intrinsic neurons in the mushroom bodies of male Spodoptera littoralis revealed by antibodies against aspartate, taurine, FMRF-amide, Mas-allatotropin and DC0. Arthropod Structure and Development, 2006, 35, 153-168.	0.8	30
248	Olfactory Shifts Parallel Superspecialism for Toxic Fruit in Drosophila melanogaster Sibling, D. sechellia. Current Biology, 2006, 16, 101-109.	1.8	236
249	Unusual response characteristics of pheromone-specific olfactory receptor neurons in the Asian corn borer moth, Ostrinia furnacalis. Journal of Experimental Biology, 2006, 209, 4946-4956.	0.8	32
250	Detection and Coding of Flower Volatiles in Nectar-Foraging Insects. , 2006, , 243-261.		3
251	Spatio-temporal Ca2+dynamics of moth olfactory projection neurones. European Journal of Neuroscience, 2005, 22, 647-657.	1.2	30
252	Insect-Like Olfactory Adaptations in the Terrestrial Giant Robber Crab. Current Biology, 2005, 15, 116-121.	1.8	96

#	Article	IF	Citations
253	Responses to sex pheromone and plant odours by olfactory receptor neurons housed in sensilla auricillica of the codling moth, Cydia pomonella (Lepidoptera: Tortricidae). Journal of Insect Physiology, 2005, 51, 1066-1074.	0.9	94
254	Projection patterns of gustatory neurons in the suboesophageal ganglion and tritocerebrum of mosquitoes. Journal of Comparative Neurology, 2005, 492, 214-233.	0.9	33
255	Organization of Kenyon cells in subdivisions of the mushroom bodies of a lepidopteran insect. Journal of Comparative Neurology, 2005, 491, 290-304.	0.9	40
256	Neuronal architecture of the mosquito deutocerebrum. Journal of Comparative Neurology, 2005, 493, 207-240.	0.9	136
257	Interactions of mechanical stimuli and sex pheromone information in antennal lobe neurons of a male moth, Spodoptera littoralis. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2005, 191, 521-528.	0.7	30
258	Odorant-Evoked Nitric Oxide Signals in the Antennal Lobe of Manduca sexta. Journal of Neuroscience, 2004, 24, 6070-6077.	1.7	49
259	A simple mushroom body in an African scarabid beetle. Journal of Comparative Neurology, 2004, 478, 219-232.	0.9	27
260	Chemotactic Search in Complex Environments. , 2004, , 181-207.		6
261	Insect Olfactory Neuroethology â€šÃ„Ã® An Electrophysiological Perspective. Frontiers in Neuroscience, 2004, , .	0.0	5
262	Chemotactic Search in Complex Environments. , 2004, , 181-207.		0
263	Attractiveness of fruit and flower odorants detected by olfactory receptor neurons in the fruit chafer Pachnoda marginata. Journal of Chemical Ecology, 2003, 29, 1253-1268.	0.9	31
264	Olfactory activation patterns in the antennal lobe of the sphinx moth, Manduca sexta. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2003, 189, 301-308.	0.7	81
265	Spatial representation of odorant structure in the moth antennal lobe: A study of structure-response relationships at low doses. Journal of Comparative Neurology, 2003, 467, 11-21.	0.9	30
266	Evolution of the olfactory code in the Drosophila melanogaster subgroup. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 2333-2340.	1.2	109
267	Dose-Response Characteristics of Glomerular Activity in the Moth Antennal Lobe. Chemical Senses, 2003, 28, 269-278.	1.1	32
268	Extreme Sensitivity in an Olfactory System. Chemical Senses, 2003, 28, 279-284.	1.1	82
269	Novel natural ligands for Drosophila olfactory receptor neurones. Journal of Experimental Biology, 2003, 206, 715-724.	0.8	161
270	Plasticity and coding mechanisms in the insect antennal lobe. , 2003, , 699-728.		4

#	Article	IF	Citations
271	Spatial Representation of Odours in the Antennal Lobe of the Moth Spodoptera littoralis (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Over	1.1	89
272	A bug's smell â€“ research into insect olfaction. Trends in Neurosciences, 2002, 25, 270-274.	4.2	65
273	Responses in highly selective sensory neurons to blends of pheromone components in the moth Agrotis segetum. Journal of Insect Physiology, 2002, 48, 443-451.	0.9	22
274	Developmental changes in the structure and function of the central olfactory system in gregarious and solitary desert locusts. Microscopy Research and Technique, 2002, 56, 281-291.	1.2	37
275	Rotting smell of dead-horse arum florets. Nature, 2002, 420, 625-626.	13.7	206
276	Glomerular representation of plant volatiles and sex pheromone components in the antennal lobe of the female Spodoptera littoralis. Journal of Experimental Biology, 2002, 205, 1363-1376.	0.8	58
277	Specialized olfactory receptor neurons mediating intra- and interspecific chemical communication in leafminer moths Eriocrania spp.(Lepidoptera: Eriocraniidae). Journal of Experimental Biology, 2002, 205, 989-998.	0.8	43
278	Specialized olfactory receptor neurons mediating intra- and interspecific chemical communication in leafminer moths Eriocrania spp. (Lepidoptera: Eriocraniidae). Journal of Experimental Biology, 2002, 205, 989-98.	0.8	34
279	Glomerular representation of plant volatiles and sex pheromone components in the antennal lobe of the female Spodoptera littoralis. Journal of Experimental Biology, 2002, 205, 1363-76.	0.8	57
280	Olfactory discrimination conditioning in the moth Spodoptera littoralis. Physiology and Behavior, 2001, 72, 159-165.	1.0	22
281	Detection of fruit- and flower-emitted volatiles by olfactory receptor neurons in the polyphagous fruit chafer Pachnoda marginata (Coleoptera: Cetoniinae). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2001, 187, 509-519.	0.7	56
282	Olfactory protocerebral pathways processing sex pheromone and plant odor information in the male mothAgrotis segetum. Journal of Comparative Neurology, 2001, 432, 356-370.	0.9	20
283	Olfactory receptor neurons detecting plant odours and male volatiles in Anomala cuprea beetles (Coleoptera: Scarabaeidae). Journal of Insect Physiology, 2001, 47, 1065-1076.	0.9	73
284	The Antennal Lobe of Orthoptera â€“ Anatomy and Evolution. Brain, Behavior and Evolution, 2001, 57, 1-17.	0.9	86
285	EVOLUTION OF REPRODUCTIVE STRATEGIES IN THE SEXUALLY DECEPTIVE ORCHID OPHRYS SPHEGODES: HOW DOES FLOWER-SPECIFIC VARIATION OF ODOR SIGNALS INFLUENCE REPRODUCTIVE SUCCESS?. Evolution; International Journal of Organic Evolution, 2000, 54, 1995-2006.	1.1	191
286	The maxillary palp sensory pathway of Orthoptera. Arthropod Structure and Development, 2000, 29, 295-305.	0.8	31
287	Sex pheromone mimicry in the early spider orchid (Ophrys sphegodes): patterns of hydrocarbons as the key mechanism for pollination by sexual deception. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2000, 186, 567-574.	0.7	164
288	EVOLUTION OF REPRODUCTIVE STRATEGIES IN THE SEXUALLY DECEPTIVE ORCHID OPHRYS SPHEGODES: HOW DOES FLOWER-SPECIFIC VARIATION OF ODOR SIGNALS INFLUENCE REPRODUCTIVE SUCCESS?. Evolution; International Journal of Organic Evolution, 2000, 54, 1995.	1.1	63

#	Article	IF	Citations
289	Relationship between sex pheromone elicited behaviour and response of single olfactory receptor neurones in a wind tunnel. Physiological Entomology, 2000, 25, 223-232.	0.6	6
290	Function and Morphology of the Antennal Lobe: New Developments. Annual Review of Entomology, 2000, 45, 203-231.	5.7	218
291	Responses of olfactory receptor neurones to behaviourally important odours in gregarious and solitarious desert locust, Schistocerca gregaria. Physiological Entomology, 1999, 24, 28-36.	0.6	69
292	Green leaf volatileâ€detecting olfactory receptor neurones display very high sensitivity and specificity in a scarab beetle. Physiological Entomology, 1999, 24, 121-126.	0.6	129
293	Real-time measurement of pheromone release from individual female moths and synthetic dispensers in a wind tunnel by recording of single receptor-neurone responses. Physiological Entomology, 1999, 24, 240-250.	0.6	4
294	Orchid pollination by sexual swindle. Nature, 1999, 399, 421-421.	13.7	398
295	Title is missing!. Journal of Chemical Ecology, 1999, 25, 177-196.	0.9	25
296	Title is missing!. Journal of Chemical Ecology, 1999, 25, 2445-2454.	0.9	46
297	Sex or Food? Appetetive Learning of Sex Odors in a Male Moth. Die Naturwissenschaften, 1999, 86, 396-399.	0.6	17
298	Integration of behaviourally relevant odours at the central nervous level in solitary and gregarious third instar locusts, Schistocerca gregaria. Journal of Insect Physiology, 1999, 45, 993-1000.	0.9	15
299	Introduction to insect sensory structures. , 1999, 47, 367-367.		4
300	Arthropod sensilla: Morphology and phylogenetic considerations. Microscopy Research and Technique, 1999, 47, 428-439.	1.2	142
301	Appetitive Learning of Odours With Different Behavioural Meaning in Moths. Physiology and Behavior, 1999, 67, 671-677.	1.0	45
302	Experience-Dependent Modification of Orientational Response to Olfactory Cues in Larvae of Spodoptera littoralis. , 1999, 25, 2445.		1
303	Central Processing of Aggregation Pheromones in Solitary and Gregarious Desert Locusts, Schistocerca gregariaa. Annals of the New York Academy of Sciences, 1998, 855, 525-528.	1.8	3
304	Receptor neuron responses to potential sex pheromone components in the caddisfly Rhyacophila nubila (Trichoptera: Rhyacophilidae). Journal of Insect Physiology, 1998, 44, 189-196.	0.9	12
305	Fine structure and distribution of antennal sensilla of the desert locust, Schistocerca gregaria (Orthoptera: Acrididae). Cell and Tissue Research, 1998, 291, 525-536.	1.5	124
306	The Sex Pheromone of the Pine Sawfly Microdiprion pallipes (Hymenoptera: Diprionidae). Die Naturwissenschaften, 1998, 85, 244-248.	0.6	22

#	Article	IF	Citations
307	Attracted or Repelled?â€"A Matter of Two Neurons, One Pheromone Binding Protein, and a Chiral Center. Biochemical and Biophysical Research Communications, 1998, 250, 217-222.	1.0	111
308	Enantiomers of cis- and trans-3-(4-propyl-cyclopent-2-enyl) propyl acetate. A study on the bioactive conformation and chiral recognition of a moth sex pheromone component. Bioorganic and Medicinal Chemistry, 1997, 5, 2173-2183.	1.4	10
309	Bioisosteric Approach to Elucidation of Binding of the Acetate Group of a Moth Sex Pheromone Component to Its Receptor. Journal of Chemical Ecology, 1997, 23, 2755-2776.	0.9	16
310	A Genetic Study on Pheromonal Communication in Two Ctenopseustis Moths. , 1997, , 514-524.		11
311	No inhibitory effect on receptor neurone activity by sulphur analogues of the sex pheromone component (Z)-5-decenyl acetate in the turnip moth, Agrofis segetum (Lepidoptera: Noctuidae). Physiological Entomology, 1996, 21, 275-282.	0.6	2
312	Olefinic acetates, Î”-9,11â€"14: OAc and Î”-7,9â€"12: OAc used as sex pheromone components in three geometrid moths,Idaea aversata, I. straminata, andI. biselata (Geometridae, Lepidoptera). Journal of Chemical Ecology, 1996, 22, 1505-1526.	0.9	7
313	Pheromone specificity inEriocrania semipurpurella (Stephens) andE. sangii (Wood) (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overloc	0.9	50
314	Antennal lobe interneurons in the desert locustSchistocerca gregaria (Forskal): Processing of aggregation pheromones in adult males and females. , 1996, 370, 85-96.		54
315	Conformationally constrained analogues of (Z)-5-decenyl acetate, a pheromone component of Agrotis segetum. Bioorganic and Medicinal Chemistry, 1996, 4, 499-504.	1.4	4
316	Physiological responses and central nervous projections of antennal olfactory receptor neurons in the adult desert locust, Schistocerca gregaria (Orthoptera: Acrididae). Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 1996, 179, 157.	0.7	61
317	Antennal lobe interneurons in the desert locust Schistocerca gregaria (Forskal): Processing of aggregation pheromones in adult males and females. , 1996, 370, 85.		4
318	Olfaction in Lepidoptera. Experientia, 1995, 51, 1003-1027.	1.2	206
319	Alkyl ether and enol ether analogs of (Z)-5-decenyl acetate, a pheromone component of the turnip moth,Agrotis segetum: probing a proposed bioactive conformation for chain-elongated analogs. Journal of Chemical Ecology, 1995, 21, 815-832.	0.9	10
320	Antennal lobe projection patterns of olfactory receptor neurons involved in sex pheromone detection in Spodoptera littoralis (Lepidoptera: Noctuidae). Tissue and Cell, 1995, 27, 221-232.	1.0	82
321	Pheromone differences between sibling taxaDiachrysia chrysitis (linnaeus, 1758) andD. tutti (Kostrowicki, 1961) (Lepidoptera: Noctuidae). Journal of Chemical Ecology, 1994, 20, 91-109.	0.9	19
322	Pheromonal secretions from glands on the 5th abdominal sternite of hydropsychid and rhyacophilid caddisflies (Trichoptera). Journal of Chemical Ecology, 1994, 20, 153-170.	0.9	58
323	Central processing of sex pheromone, host odour, and oviposition deterrent information by interneurons in the antennal lobe of femaleSpodoptera littoralis (Lepidoptera: Noctuidae). Journal of Comparative Neurology, 1994, 350, 199-214.	0.9	76
324	Morphological characteristics of antennal sensilla in the European cornborer Ostrinia nubilalis (Lepidoptera: Pyralidae). Tissue and Cell, 1994, 26, 489-502.	1.0	115

#	Article	IF	Citations
325	Electrophysiological and behavioral responses of turnip moth males,Agrotis segetum to fluorinated pheromone analogs. Journal of Chemical Ecology, 1993, 19, 143-157.	0.9	20
326	Behavioral and electrophysiological responses of the banana weevilCosmopolites sordidus to host plant volatiles. Journal of Chemical Ecology, 1993, 19, 267-277.	0.9	44
327	Enantiomers of methyl substituted analogs of (Z)-5-decenyl acetate as probes for the chirality and complementarity of its receptor inAgrotis segetum 1: Synthesis and structure-activity relationships. Journal of Chemical Ecology, 1993, 19, 459-484.	0.9	16
328	Physiology and morphology of pheromone-specific sensilla on the antennae of male and female Spodoptera littoralis (Lepidoptera: Noctuidae). Journal of Insect Physiology, 1993, 39, 253-260.	0.9	159
329	Oviposition deterring components in larval frass of Spodoptera littoralis (Boisd.) (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 129-137.	0.9	93
330	Functional specialization of olfactory glomeruli in a moth. Science, 1992, 256, 1313-1315.	6.0	233
331	Sex Pheromone of pine sawflies. Chiral syntheses of some active minor components isolated from neodiprion sertifer and of some chiral analogues of diprionyl acetate.. Tetrahedron, 1992, 48, 3139-3146.	1.0	37
332	Introduction of methyl groups to acetate substituted chain of (Z)-5-decenyl acetate, a pheromone component of turnip moth,agrotis segetum: synthesis, single-sensillum recordings, and structure-activity relationships. Journal of Chemical Ecology, 1992, 18, 637-657.	0.9	16
333	Attraction of male turnip mothsAgrotis segetum (Lepidoptera: Noctuidae) to sex pheromone components and their mixtures at 11 sites in Europe, Asia, and Africa. Journal of Chemical Ecology, 1992, 18, 1337-1347.	0.9	77
334	Postembryonic development of leucokinin I-immunoreactive neurons innervating a neurohemal organ in the turnip moth Agrotis segetum. Cell and Tissue Research, 1992, 269, 65-77.	1.5	39
335	Pheromone related compounds in pupal and adult female pine sawflies, Neodiprion sertifer, of different age and in different parts of the body. Journal of Insect Physiology, 1992, 38, 885-893.	0.9	32
336	Functionally distinct subdivisions of the macroglomerular complex in the antennal lobe of the male sphinx mothManduca sexta. Journal of Comparative Neurology, 1991, 312, 264-278.	0.9	175
337	Replacement of the terminal methyl group in a moth sex pheromone component by a halogen atom: Hydrophobicity and size effects on electrophysiological single-cell activities. Journal of Chemical Ecology, 1991, 17, 1381-1397.	0.9	19
338	Alkyl substitution in terminal chain of (Z)-5-decenyl acetate, a pheromone component of turnip moth,Agrotis segetum. Synthesis, single-sensillum recordings, and structure-activity relationships. Journal of Chemical Ecology, 1991, 17, 103-122.	0.9	25
339	Behavioural and electrophysiological activity of unsaturated analogues of the pheromone tetradecyl acetate in the small ermine moth Yponomeuta rorellus. Physiological Entomology, 1990, 15, 47-54.	0.6	32
340	Pheromone variation among eastern European and a western Asian population of the turnip mothAgrotis segetum. Journal of Chemical Ecology, 1990, 16, 1611-1622.	0.9	77
341	Structure-activity relationships for chain-shortened analogs of (Z)-5-decenyl acetate, a pheromone component of the turnip moth,Agrotis segetum. Journal of Chemical Ecology, 1990, 16, 667-684.	0.9	53
342	Electrophysiological and chemical analysis of sex pheromone communication system of the mottled umber,Erannis defoliaria (Lepidoptera: Geometridae). Journal of Chemical Ecology, 1990, 16, 1887-1897.	0.9	29

#	Article	IF	Citations
343	Adaptation of male moth antennal neurons in a pheromone plume is associated with cessation of pheromone-mediated flight. Chemical Senses, 1989, 14, 439-448.	1.1	31
344	Comparison of male and female olfactory cell response to pheromone compounds and plant volatiles in the turnip moth, Agrotis segetum. Physiological Entomology, 1989, 14, 147-155.	0.6	76
345	Adaptation of antennal neurons in moths is associated with cessation of pheromone-mediated upwind flight.. Proceedings of the National Academy of Sciences of the United States of America, 1988, 85, 9826-9830.	3.3	105
346	Sex pheromone production and perception in European corn borer moths is determined by both autosomal and sex-linked genes. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 7585-7589.	3.3	250
347	Inheritance of olfactory response to sex pheromone components in Ostrinia nubilalis. Die Naturwissenschaften, 1987, 74, 497-499.	0.6	103
348	Effects of double-bond configuration on interaction between a moth sex pheromone component and its receptor. Journal of Chemical Ecology, 1987, 13, 2023-2040.	0.9	45
349	Dienic analogs of (Z)-5-decenyl acetate, a pheromone component of the turnip moth, Agrotis segetum: Synthesis, conformational analysis and structure-activity relationships. Bioorganic Chemistry, 1987, 15, 409-422.	2.0	31
350	Pheromone Dialects in European Turnip Moths Agrotis segetum. Oikos, 1986, 46, 250.	1.2	87
351	Sex pheromone components of Mamestra suasa: chemical analysis, electrophysiological activity, wind tunnel activity and field tests in two European countries. Entomologia Experimentalis Et Applicata, 1986, 42, 291-299.	0.7	15
352	10. Sensilla and Proprioceptors. , 0, , .		6
353	Unique neural coding of crucial versus irrelevant plant odors in a hawkmoth. ELife, 0, 11, .	2.8	5
354	Higher-order olfactory neurons in the lateral horn support odor valence and odor identity coding in Drosophila. ELife, 0, 11, .	2.8	9