Marcus C Stensmyr

List of Publications by Year
in descending order

58 papers	5,742 citations	147801 31 h-index	168389 53 g-index
63 all docs	63 docs citations	63 times ranked	4825 citing authors

#	Article	IF	Citations
1	Drosophila odorant receptors are both ligand-gated and cyclic-nucleotide-activated cation channels. Nature, 2008, 452, 1007-1011.	27.8	781
2	Evolution of Insect Olfaction. Neuron, 2011, 72, 698-711.	8.1	630
3	A Conserved Dedicated Olfactory Circuit for Detecting Harmful Microbes in Drosophila. Cell, 2012, 151, 1345-1357.	28.9	533
4	The draft genome of whitefly Bemisia tabaci MEAM1, a global crop pest, provides novel insights into virus transmission, host adaptation, and insecticide resistance. BMC Biology, 2016, 14, 110.	3.8	265
5	Evolution of insect olfactory receptors. ELife, 2014, 3, e02115.	6.0	249
6	Olfactory Shifts Parallel Superspecialism for Toxic Fruit in Drosophila melanogaster Sibling, D. sechellia. Current Biology, 2006, 16, 101-109.	3.9	236
7	Olfactory Preference for Egg Laying on Citrus Substrates in Drosophila. Current Biology, 2013, 23, 2472-2480.	3.9	234
8	Humidity Sensing in Drosophila. Current Biology, 2016, 26, 1352-1358.	3.9	229
9	Rotting smell of dead-horse arum florets. Nature, 2002, 420, 625-626.	27.8	206
10	A Deceptive Pollination System Targeting Drosophilids through Olfactory Mimicry of Yeast. Current Biology, 2010, 20, 1846-1852.	3.9	165
11	A natural polymorphism alters odour and DEET sensitivity in an insect odorant receptor. Nature, 2011, 478, 511-514.	27.8	164
12	Novel natural ligands for Drosophila olfactory receptor neurones. Journal of Experimental Biology, 2003, 206, 715-724.	1.7	161
13	Drosophila Avoids Parasitoids by Sensing Their Semiochemicals via a Dedicated Olfactory Circuit. PLoS Biology, 2015, 13, e1002318.	5.6	145
14	Aedes aegypti Mosquitoes Detect Acidic Volatiles Found in Human Odor Using the IR8a Pathway. Current Biology, 2019, 29, 1253-1262.e7.	3.9	135
15	Pollination by brood-site deception. Phytochemistry, 2011, 72, 1655-1666.	2.9	117
16	Evolution of the olfactory code in the Drosophila melanogaster subgroup. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 2333-2340.	2.6	109
17	Host plant-driven sensory specialization inDrosophila erecta. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130626.	2.6	105
18	Olfactory Proxy Detection of Dietary Antioxidants in Drosophila. Current Biology, 2015, 25, 455-466.	3.9	104

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19	Early Integration of Temperature and Humidity Stimuli in the Drosophila Brain. Current Biology, 2017, 27, 2381-2388.e4.	3.9	102
20	Insect-Like Olfactory Adaptations in the Terrestrial Giant Robber Crab. Current Biology, 2005, 15, 116-121.	3.9	96
21	Wild African Drosophila melanogaster Are Seasonal Specialists on Marula Fruit. Current Biology, 2018, 28, 3960-3968.e3.	3.9	89
22	The chemical ecology of the fly. Current Opinion in Neurobiology, 2015, 34, 95-102.	4.2	84
23	Fecal-Derived Phenol Induces Egg-Laying Aversion in Drosophila. Current Biology, 2016, 26, 2762-2769.	3.9	68
24	Geosmin Attracts Aedes aegypti Mosquitoes to Oviposition Sites. Current Biology, 2020, 30, 127-134.e5.	3.9	65
25	A comparison of reptilian and avian olfactory receptor gene repertoires: Species-specific expansion of group Î³ genes in birds. BMC Genomics, 2009, 10, 446.	2.8	60
26	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.	1.6	56
27	Recurrent Collection of Drosophila melanogaster from Wild African Environments and Genomic Insights into Species History. Molecular Biology and Evolution, 2020, 37, 627-638.	8.9	56
28	Olfactory language and abstraction across cultures. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170139.	4.0	50
29	Dopamine drives Drosophila sechellia adaptation to its toxic host. ELife, 2014, 3, .	6.0	45
30	Divergence in Olfactory Host Plant Preference in D. mojavensis in Response to Cactus Host Use. PLoS ONE, 2013, 8, e70027.	2.5	42
31	The irritant receptor TRPA1 mediates the mosquito repellent effect of catnip. Current Biology, 2021, 31, 1988-1994.e5.	3.9	33
32	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.	1.8	31
33	Towards plant-odor-related olfactory neuroethology in Drosophila. Chemoecology, 2010, 20, 51-61.	1.1	28
34	The hermit crab's noseâ€"antennal transcriptomics. Frontiers in Neuroscience, 2013, 7, 266.	2.8	26
35	Drosophila sechellia as a Model in Chemosensory Neuroecology. Annals of the New York Academy of Sciences, 2009, 1170, 468-475.	3.8	25
36	Pollination strategies in Cretan Arum lilies. Biological Journal of the Linnean Society, 2010, 101, 991-1001.	1.6	21

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37	A mammalian blood odor component serves as an approach-avoidance cue across phylum border - from flies to humans. Scientific Reports, 2017, 7, 13635.	3.3	20
38	Giant Robber Crabs Monitored from Space: GPS-Based Telemetric Studies on Christmas Island (Indian) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.5	20
39	Wake Up and Smell the Pheromones. Neuron, 2005, 45, 179-181.	8.1	18
40	Pheromones: Fish Fear Factor. Current Biology, 2012, 22, R183-R186.	3.9	18
41	Molecular phylogeny of the genus Arum (Araceae) inferred from multiâ€"locus sequence data and AFLPs. Taxon, 2010, 59, 405-415.	0.7	16
42	dOr83bâ€"Receptor or Ion Channel?. Annals of the New York Academy of Sciences, 2009, 1170, 164-167.	3.8	14
43	The Cayman Crab Fly Revisited â€" Phylogeny and Biology of Drosophila endobranchia. PLoS ONE, 2008, 3, e1942.	2.5	9
44	Human Impacts on Insect Chemical Communication in the Anthropocene. Frontiers in Ecology and Evolution, 2022, 10, .	2.2	7
45	The Neural and Behavioral Basis of Chemical Communication in Terrestrial Crustaceans. , 2010, , 149-173.		6
46	Flies' lives on a crab. Current Biology, 2007, 17, R743-R746.	3.9	5
47	Myrmecomorphomania. Current Biology, 2011, 21, R291-R293.	3.9	5
48	Evolutionary Genetics: Smells like a Pseudo-pseudogene. Current Biology, 2016, 26, R1294-R1296.	3.9	4
49	Olfactory Evolution: Mice Rethink Stink. Current Biology, 2013, 23, R59-R61.	3.9	3
50	Neuroscience: The Secret of Sauce BÃ©arnaise Syndrome Is in the Circuit. Current Biology, 2020, 30, R1413-R1415.	3.9	3
51	Sensory Evolution: Trouble in the Cherry Orchard. Current Biology, 2017, 27, R218-R220.	3.9	2
52	Insect Olfaction: Once Swatted, Twice Shy. Current Biology, 2018, 28, R103-R105.	3.9	2
53	A Genome Befitting a Monarch. Cell, 2011, 147, 970-972.	28.9	1
54	Influence of Olfaction in Host-Selection Behavior of the Cassava Whitefly Bemisia tabaci. Frontiers in Ecology and Evolution, 2021, 9, .	2.2	1

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55	A Silicon Olfactome. Chemical Senses, 2010, 35, 541-543.	2.0	0
56	Superfly. Current Biology, 2013, 23, R298-R300.	3.9	0
57	Mosquito Biology: How a Quest for Water Spawned a Thirst for Blood. Current Biology, 2020, 30, R1046-R1049.	3.9	0
58	Neuroscience: Flies and grits. Current Biology, 2021, 31, R442-R443.	3.9	0