

# Monika Stengl

## List of Publications by Year in descending order

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65  
papers

2,556  
citations

186265

28  
h-index

197818

49  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1107  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution and daily oscillation of GABA in the circadian system of the cockroach <i>Rhyarobia maderae</i> . <i>Journal of Comparative Neurology</i> , 2022, 530, 770-791.	1.6	3
2	Cyclic nucleotide-dependent ionic currents in olfactory receptor neurons of the hawkmoth <i>Manduca sexta</i> suggest pull-push sensitivity modulation. <i>European Journal of Neuroscience</i> , 2021, 54, 4804-4826.	2.6	3
3	Multiscale timing of pheromone transduction in hawkmoth olfactory receptor neurons. , 2021, , 435-468.		1
4	Circadian pacemaker neurons of the Madeira cockroach are inhibited and activated by GABA A and GABA B receptors. <i>European Journal of Neuroscience</i> , 2020, 51, 282-299.	2.6	6
5	Neither <i>Per</i> , nor <i>tim1</i> , nor <i>cry2</i> alone are essential components of the molecular circadian clockwork in the Madeira cockroach. <i>PLoS ONE</i> , 2020, 15, e0235930.	2.5	3
6	Analysis of Pigment-Dispersing Factor Neuropeptides and Their Receptor in a Velvet Worm. <i>Frontiers in Endocrinology</i> , 2020, 11, 273.	3.5	4
7	Candidates for photic entrainment pathways to the circadian clock via optic lobe neuropils in the Madeira cockroach. <i>Journal of Comparative Neurology</i> , 2020, 528, 1754-1774.	1.6	6
8	Beyond spikes: Multiscale computational analysis of <i>in vivo</i> long-term recordings in the cockroach circadian clock. <i>Network Neuroscience</i> , 2019, 3, 944-968.	2.6	6
9	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.	7.1	80
10	GABA and serotonin-expressing neurons take part in inhibitory as well as excitatory input pathways to the circadian clock of the Madeira cockroach <i>Rhyarobia maderae</i> . <i>European Journal of Neuroscience</i> , 2018, 47, 1067-1080.	2.6	18
11	Sensitivity to Pigment-Dispersing Factor (PDF) Is Cell-Type Specific among PDF-Expressing Circadian Clock Neurons in the Madeira Cockroach. <i>Journal of Biological Rhythms</i> , 2018, 33, 35-51.	2.6	24
12	The Diacylglycerol Analogs OAG and DOG Differentially Affect Primary Events of Pheromone Transduction in the Hawkmoth <i>Manduca sexta</i> in a Zeitgeber-time-Dependent Manner Apparently Targeting TRP Channels. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 218.	3.7	9
13	Identification and characterization of the bombykal receptor in the hawkmoth <i>Manduca sexta</i> . <i>Journal of Experimental Biology</i> , 2017, 220, 1781-1786.	1.7	25
14	Functions of corazonin and histamine in light entrainment of the circadian pacemaker in the Madeira cockroach, <i>Rhyarobia maderae</i> . <i>Journal of Comparative Neurology</i> , 2017, 525, 1250-1272.	1.6	17
15	Functional Olfactory Sensory Neurons Housed in Olfactory Sensilla on the Ovipositor of the Hawkmoth <i>Manduca sexta</i> . <i>Frontiers in Ecology and Evolution</i> , 2016, 4, .	2.2	19
16	Strong attachment of circadian pacemaker neurons on modified ultrananocrystalline diamond surfaces. <i>Materials Science and Engineering C</i> , 2016, 64, 278-285.	7.3	11
17	Peptidergic circadian clock circuits in the Madeira cockroach. <i>Current Opinion in Neurobiology</i> , 2016, 41, 44-52.	4.2	42
18	The neuropeptide SIFamide in the brain of three cockroach species. <i>Journal of Comparative Neurology</i> , 2016, 524, 1337-1360.	1.6	17

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19	No Evidence for Ionotropic Pheromone Transduction in the Hawkmoth <i>Manduca sexta</i> . PLoS ONE, 2016, 11, e0166060.	2.5	28
20	How does the circadian clock tick in the Madeira cockroach?. Current Opinion in Insect Science, 2015, 12, 38-45.	4.4	20
21	Octopamine Regulates Antennal Sensory Neurons via Daytime-Dependent Changes in cAMP and IP3 Levels in the Hawkmoth <i>Manduca sexta</i> . PLoS ONE, 2015, 10, e0121230.	2.5	32
22	Bimodal Oscillations of Cyclic Nucleotide Concentrations in the Circadian System of the Madeira Cockroach <i>Rhyarobia maderae</i> . Journal of Biological Rhythms, 2014, 29, 318-331.	2.6	9
23	Candidates for the light entrainment pathway to the circadian clock of the Madeira cockroach <i>Rhyarobia maderae</i> . Cell and Tissue Research, 2014, 355, 447-462.	2.9	15
24	Signaling of Pigment-Dispersing Factor (PDF) in the Madeira Cockroach <i>Rhyarobia maderae</i> . PLoS ONE, 2014, 9, e108757.	2.5	29
25	The role of the coreceptor Orco in insect olfactory transduction. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 897-909.	1.6	121
26	Calcium responses of circadian pacemaker neurons of the cockroach <i>Rhyarobia maderae</i> to acetylcholine and histamine. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 365-374.	1.6	13
27	Insect chemoreception: a tribute to John G. Hildebrand. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2013, 199, 875-877.	1.6	1
28	Neuropeptidergic input pathways to the circadian pacemaker center of the Madeira cockroach analysed with an improved injection technique. European Journal of Neuroscience, 2013, 38, 2842-2852.	2.6	12
29	In situ Tip-Recordings Found No Evidence for an Orco-Based Ionotropic Mechanism of Pheromone-Transduction in <i>Manduca sexta</i> . PLoS ONE, 2013, 8, e62648.	2.5	33
30	Sequence and Expression of <i>per</i> , <i>tim1</i> , and <i>cry2</i> Genes in the Madeira Cockroach <i>Rhyarobia maderae</i> . Journal of Biological Rhythms, 2012, 27, 453-466.	2.6	19
31	Time of Day Changes in Cyclic Nucleotides Are Modified via Octopamine and Pheromone in Antennae of the Madeira Cockroach. Journal of Biological Rhythms, 2012, 27, 388-397.	2.6	18
32	Ca <sup>2+</sup> -dependent ion channels underlying spontaneous activity in insect circadian pacemaker neurons. European Journal of Neuroscience, 2012, 36, 3021-3029.	2.6	16
33	Myoinhibitory peptides in the brain of the cockroach <i>Leucophaea maderae</i> and colocalization with pigment-dispersing factor in circadian pacemaker cells. Journal of Comparative Neurology, 2012, 520, 1078-1097.	1.6	36
34	Circadian pacemaker coupling by multi-peptidergic neurons in the cockroach <i>Leucophaea maderae</i> . Cell and Tissue Research, 2011, 343, 559-577.	2.9	28
35	Light Affects the Branching Pattern of Peptidergic Circadian Pacemaker Neurons in the Brain of the Cockroach <i>Leucophaea maderae</i> . Journal of Biological Rhythms, 2011, 26, 507-517.	2.6	40
36	Implementation of pigment-dispersing factor-immunoreactive neurons in a standardized atlas of the brain of the cockroach <i>Leucophaea maderae</i> . Journal of Comparative Neurology, 2010, 518, 4113-4133.	1.6	64

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37	Implementation of pigment-dispersing factor-immunoreactive neurons in a standardized atlas of the brain of the cockroach <i>Leucophaea maderae</i> . <i>Journal of Comparative Neurology</i> , 2010, 518, spc1-spc1.	1.6	3
38	Pheromone Transduction in Moths. <i>Frontiers in Cellular Neuroscience</i> , 2010, 4, 133.	3.7	87
39	Perfusion with cAMP analogue affects pheromone-sensitive trichoid sensilla of the hawkmoth <i>Manduca sexta</i> in a time-dependent manner. <i>Journal of Experimental Biology</i> , 2010, 213, 842-852.	1.7	16
40	Octopamine and tyramine modulate pheromone-sensitive olfactory sensilla of the hawkmoth <i>Manduca sexta</i> in a time-dependent manner. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2009, 195, 529-545.	1.6	44
41	Examination of the role of FMRFamide-related peptides in the circadian clock of the cockroach <i>Leucophaea maderae</i> . <i>Cell and Tissue Research</i> , 2008, 332, 257-269.	2.9	24
42	Pharmacological Investigation of Protein Kinase C- and cGMP-Dependent Ion Channels in Cultured Olfactory Receptor Neurons of the Hawkmoth <i>Manduca sexta</i> . <i>Chemical Senses</i> , 2008, 33, 803-813.	2.0	15
43	Cyclic Nucleotide-Activated Currents in Cultured Olfactory Receptor Neurons of the Hawkmoth <i>Manduca sexta</i> . <i>Journal of Neurophysiology</i> , 2008, 100, 2866-2877.	1.8	18
44	Extracellular long-term recordings of the isolated accessory medulla, the circadian pacemaker center of the cockroach <i>Leucophaea maderae</i> , reveal ultradian and hint circadian rhythms. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007, 193, 35-42.	1.6	25
45	Localization of leucomyosuppressin in the brain and circadian clock of the cockroach <i>Leucophaea maderae</i> . <i>Cell and Tissue Research</i> , 2007, 328, 443-452.	2.9	10
46	Putative circadian pacemaker cells in the antenna of the hawkmoth <i>Manduca sexta</i> . <i>Cell and Tissue Research</i> , 2007, 330, 271-278.	2.9	37
47	Gap Junctions Between Accessory Medulla Neurons Appear to Synchronize Circadian Clock Cells of the Cockroach <i>Leucophaea maderae</i> . <i>Journal of Neurophysiology</i> , 2006, 95, 1996-2002.	1.8	29
48	Differential Receptor Activation by Cockroach Adipokinetic Hormones Produces Differential Effects on Ion Currents, Neuronal Activity, and Locomotion. <i>Journal of Neurophysiology</i> , 2006, 95, 2314-2325.	1.8	85
49	Perfusion with cGMP analogue adapts the action potential response of pheromone-sensitive sensilla trichoidea of the hawkmoth <i>Manduca sexta</i> in a daytime-dependent manner. <i>Journal of Experimental Biology</i> , 2006, 209, 3898-3912.	1.7	25
50	Pigment-Dispersing Factor and GABA Synchronize Cells of the Isolated Circadian Clock of the Cockroach <i>Leucophaea maderae</i> . <i>Journal of Neuroscience</i> , 2005, 25, 5138-5147.	3.6	75
51	Pigment-dispersing hormone (PDH)-immunoreactive neurons form a direct coupling pathway between the bilaterally symmetric circadian pacemakers of the cockroach <i>Leucophaea maderae</i> . <i>Cell and Tissue Research</i> , 2004, 318, 553-564.	2.9	58
52	Ultrastructure of pigment-dispersing hormone-immunoreactive neurons in a three-dimensional model of the accessory medulla of the cockroach <i>Leucophaea maderae</i> . <i>Cell and Tissue Research</i> , 2003, 314, 421-435.	2.9	65
53	Neural Organization of the Circadian System of the Cockroach <i>Leucophaea maderae</i> . <i>Chronobiology International</i> , 2003, 20, 577-591.	2.0	88
54	Ectopic transplantation of the accessory medulla restores circadian locomotor rhythms in arrhythmic cockroaches ( <i>Leucophaea maderae</i> ). <i>Journal of Experimental Biology</i> , 2003, 206, 1877-1886.	1.7	83

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55	Adaptation in pheromone-sensitive trichoid sensilla of the hawkmoth <i>Manduca sexta</i> . <i>Journal of Experimental Biology</i> , 2003, 206, 1575-1588.	1.7	63
56	Optic lobe commissures in a three-dimensional brain model of the cockroach <i>Leucophaea maderae</i> : A search for the circadian coupling pathways. <i>Journal of Comparative Neurology</i> , 2002, 443, 388-400.	1.6	67
57	Evidence for a role of GABA and Mas-allatotropin in photic entrainment of the circadian clock of the cockroach <i>Leucophaea maderae</i> . <i>Journal of Experimental Biology</i> , 2002, 205, 1459-1469.	1.7	81
58	Evidence for a role of GABA and Mas-allatotropin in photic entrainment of the circadian clock of the cockroach <i>Leucophaea maderae</i> . <i>Journal of Experimental Biology</i> , 2002, 205, 1459-69.	1.7	71
59	Localization of cGMP immunoreactivity and of soluble guanylyl cyclase in antennal sensilla of the hawkmoth <i>Manduca sexta</i> . <i>Cell and Tissue Research</i> , 2001, 304, 409-421.	2.9	28
60	Phase Response Curves of a Molecular Model Oscillator: Implications for Mutual Coupling of Paired Oscillators. <i>Journal of Biological Rhythms</i> , 2001, 16, 125-141.	2.6	31
61	OSCILLATIONS OF THE TRANSEPITHELIAL POTENTIAL OF MOTH OLFACTORY SENSILLA ARE INFLUENCED BY OCTOPAMINE AND SEROTONIN. <i>Journal of Experimental Biology</i> , 2001, 204, 2781-2794.	1.7	55
62	Organization of the Circadian System in Insects. <i>Chronobiology International</i> , 1998, 15, 567-594.	2.0	206
63	Pigment-Dispersing Hormone Shifts the Phase of the Circadian Pacemaker of the Cockroach <i>Leucophaea maderae</i> . <i>Journal of Neuroscience</i> , 1997, 17, 4087-4093.	3.6	165
64	Morphology and pigment-dispersing hormone immunocytochemistry of the accessory medulla, the presumptive circadian pacemaker of the cockroach <i>Leucophaea maderae</i> : a light- and electron-microscopic study. <i>Cell and Tissue Research</i> , 1996, 285, 305-319.	2.9	63
65	Immunocytochemical characterization of the accessory medulla in the cockroach <i>Leucophaea maderae</i> . <i>Cell and Tissue Research</i> , 1995, 282, 3-19.	2.9	109