Uwe Homberg

List of Publications by Citations

140 papers	7,980 citations	52 h-index	86 g-index
149 ext. papers	9,040 ext. citations	4.1 avg, IF	6.24 L-index

#	Paper	IF	Citations
140	A systematic nomenclature for the insect brain. *Neuron*, **2014**, 81, 755-65	13.9	407
139	Structure and function of the deutocerebrum in insects. *Annual Review of Entomology*, **1989**, 34, 477-501	21.8	306
138	Maplike representation of celestial E-vector orientations in the brain of an insect. *Science*, **2007**, 315, 995-7	33.3	258
137	Organization and functional roles of the central complex in the insect brain. *Annual Review of Entomology*, **2014**, 59, 165-84	21.8	234
136	Anatomy of antenno-cerebral pathways in the brain of the sphinx moth Manduca sexta. *Cell and Tissue Research*, **1988**, 254, 255-81	4.2	209
135	Organization and evolutionary trends of primary olfactory brain centers in Tetraconata (Crustacea+Hexapoda). *Arthropod Structure and Development*, **2005**, 34, 257-299	1.8	184
134	Organization of the circadian system in insects. *Chronobiology International*, **1998**, 15, 567-94	3.6	181
133	Central neural coding of sky polarization in insects. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 680-7	5.8	173
132	Pigment-dispersing hormone-immunoreactive neurons in the nervous system of wild-type Drosophila melanogaster and of several mutants with altered circadian rhythmicity. *Journal of Comparative Neurology*, **1993**, 337, 177-90	3.4	162
131	Immunocytochemistry of GABA in the antennal lobes of the sphinx moth Manduca sexta. *Cell and Tissue Research*, **1986**, 244, 243-52	4.2	161
130	Comparative anatomy of pigment-dispersing hormone-immunoreactive neurons in the brain of orthopteroid insects. *Cell and Tissue Research*, **1991**, 266, 343-357	4.2	143
129	Neuropeptides in interneurons of the insect brain. *Cell and Tissue Research*, **2006**, 326, 1-24	4.2	137
128	In search of the sky compass in the insect brain. *Die Naturwissenschaften*, **2004**, 91, 199-208	2	133
127	Neurons of the central complex of the locust Schistocerca gregaria are sensitive to polarized light. *Journal of Neuroscience*, **2002**, 22, 1114-25	6.6	133
126	Immunocytochemistry of GABA in the brain and suboesophageal ganglion of Manduca sexta. *Cell and Tissue Research*, **1987**, 248, 1-24	4.2	132
125	A new peptide in the FMRFamide family isolated from the CNS of the hawkmoth, Manduca sexta. *Peptides*, **1990**, 11, 849-56	3.8	129
124	Pigment-dispersing hormone-immunoreactive neurons in the cockroach Leucophaea maderae share properties with circadian pacemaker neurons. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **1994**, 175, 203-13	2.3	128

123	Evolution of the central complex in the arthropod brain with respect to the visual system. *Arthropod Structure and Development*, **2008**, 37, 347-62	1.8	127
122	Neuroarchitecture of the central complex of the desert locust: Intrinsic and columnar neurons. *Journal of Comparative Neurology*, **2008**, 511, 454-78	3.4	118
121	Neuroarchitecture of the lower division of the central body in the brain of the locust (Schistocerca gregaria). *Cell and Tissue Research*, **1997**, 288, 159-76	4.2	110
120	Neurotransmitters and neuropeptides in the brain of the locust. *Microscopy Research and Technique* , **2002**, 56, 189-209	2.8	107
119	Crustacean cardioactive peptide-immunoreactive neurons in the hawkmoth Manduca sexta and changes in their immunoreactivity during postembryonic development. *Journal of Comparative Neurology*, **1993**, 338, 612-27	3.4	107
118	Distribution of Dip-allatostatin I-like immunoreactivity in the brain of the locust Schistocerca gregaria with detailed analysis of immunostaining in the central complex. *Journal of Comparative Neurology*, **1996**, 369, 419-37	3.4	103
117	Neuroarchitecture of the central complex in the brain of the locust Schistocerca gregaria and S. americana as revealed by serotonin immunocytochemistry. *Journal of Comparative Neurology*, **1991**, 303, 245-54	3.4	100
116	Processing of antennal information in extrinsic mushroom body neurons of the bee brain. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **1984**, 154, 825-836	2.3	99
115	Coding of azimuthal directions via time-compensated combination of celestial compass cues. *Current Biology*, **2007**, 17, 960-5	6.3	96
114	Standardized atlas of the brain of the desert locust, Schistocerca gregaria. *Cell and Tissue Research*, **2008**, 333, 125-45	4.2	95
113	Distribution of FMRFamide-like immunoreactivity in the brain and suboesophageal ganglion of the sphinx moth Manduca sexta and colocalization with SCPB-, BPP-, and GABA-like immunoreactivity. *Cell and Tissue Research*, **1990**, 259, 401-19	4.2	95
112	Organization and neural connections of the anterior optic tubercle in the brain of the locust, Schistocerca gregaria. *Journal of Comparative Neurology*, **2003**, 462, 415-30	3.4	92
111	Immunocytochemical characterization of the accessory medulla in the cockroach Leucophaea maderae. *Cell and Tissue Research*, **1995**, 282, 3-19	4.2	91
110	Peptide-immunocytochemistry of neurosecretory cells in the brain and retrocerebral complex of the sphinx moth Manduca sexta. *Journal of Comparative Neurology*, **1991**, 303, 35-52	3.4	91
109	Flight-correlated activity changes in neurons of the lateral accessory lobes in the brain of the locust Schistocerca gregaria. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **1994**, 175, 597	2.3	88
108	Linking the input to the output: new sets of neurons complement the polarization vision network in the locust central complex. *Journal of Neuroscience*, **2009**, 29, 4911-21	6.6	87
107	Interneurones of the central complex in the bee brain (Apis mellifera, L.). *Journal of Insect Physiology*, **1985**, 31, 251-264	2.4	86
106	Polarization-sensitive and light-sensitive neurons in two parallel pathways passing through the anterior optic tubercle in the locust brain. *Journal of Neurophysiology*, **2005**, 94, 3903-15	3.2	84

105	Transformation of polarized light information in the central complex of the locust. *Journal of Neuroscience*, **2009**, 29, 11783-93	6.6	82
104	Neural organization of the circadian system of the cockroach Leucophaea maderae. *Chronobiology International*, **2003**, 20, 577-91	3.6	80
103	Behavioral analysis of polarization vision in tethered flying locusts. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **2004**, 190, 61-8	2.3	79
102	Serotonin-immunoreactive neurons in the median protocerebrum and suboesophageal ganglion of the sphinx moth Manduca sexta. *Cell and Tissue Research*, **1989**, 258, 1-24	4.2	79
101	Antennal Lobe Structure **1999**, 97-124		77
100	Evidence for a role of GABA and Mas-allatotropin in photic entrainment of the circadian clock of the cockroach Leucophaea maderae. *Journal of Experimental Biology*, **2002**, 205, 1459-1469	3	74
99	Immunocytochemistry of dopamine in the brain of the locust Schistocerca gregaria. *Journal of Comparative Neurology*, **1992**, 321, 387-403	3.4	73
98	Integration of polarization and chromatic cues in the insect sky compass. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **2014**, 200, 575-89	2.3	72
97	Novel insect orcokinins: characterization and neuronal distribution in the brains of selected dicondylian insects. *Journal of Comparative Neurology*, **2005**, 490, 57-71	3.4	71
96	Ultrastructure and orientation of ommatidia in the dorsal rim area of the locust compound eye. *Arthropod Structure and Development*, **2002**, 30, 271-80	1.8	70
95	Evidence for a role of GABA and Mas-allatotropin in photic entrainment of the circadian clock of the cockroach Leucophaea maderae. *Journal of Experimental Biology*, **2002**, 205, 1459-69	3	68
94	Immunocytochemistry of GABA in the central complex of the locust Schistocerca gregaria: identification of immunoreactive neurons and colocalization with neuropeptides. *Journal of Comparative Neurology*, **1999**, 409, 495-507	3.4	67
93	Immunocytochemical demonstration of locustatachykinin-related peptides in the central complex of the locust brain. *Journal of Comparative Neurology*, **1998**, 390, 455-69	3.4	59
92	Evidence for a role of orcokinin-related peptides in the circadian clock controlling locomotor activity of the cockroach Leucophaea maderae. *Journal of Experimental Biology*, **2006**, 209, 2794-803	3	59
91	Anatomy and physiology of neurons with processes in the accessory medulla of the cockroach Leucophaea maderae. *Journal of Comparative Neurology*, **2001**, 439, 193-207	3.4	59
90	Neuroanatomy and immunocytochemistry of the median neuroendocrine cells of the subesophageal ganglion of the tobacco hawkmoth, Manduca sexta: immunoreactivities to PBAN and other neuropeptides. *Microscopy Research and Technique*, **1996**, 35, 201-29	2.8	57
89	The Locust Standard Brain: A 3D Standard of the Central Complex as a Platform for Neural Network Analysis. *Frontiers in Systems Neuroscience*, **2009**, 3, 21	3.5	53
88	A novel type of microglomerular synaptic complex in the polarization vision pathway of the locust brain. *Journal of Comparative Neurology*, **2008**, 506, 288-300	3.4	52

87	Serotonin immunoreactivity in the optic lobes of the sphinx moth Manduca sexta and colocalization with FMRFamide and SCPB immunoreactivity. *Journal of Comparative Neurology*, **1989**, 288, 243-53	3.4	52
86	Spectral properties of identified polarized-light sensitive interneurons in the brain of the desert locust Schistocerca gregaria. *Journal of Experimental Biology*, **2007**, 210, 1350-61	3	51
85	Movement-sensitive, polarization-sensitive, and light-sensitive neurons of the medulla and accessory medulla of the locust, Schistocerca gregaria. *Journal of Comparative Neurology*, **1997**, 386, 329-346	3.4	50
84	Immunocytochemical mapping of serotonin and neuropeptides in the accessory medulla of the locust, Schistocerca gregaria. *Journal of Comparative Neurology*, **1995**, 362, 305-19	3.4	50
83	Neuroarchitecture of peptidergic systems in the larval ventral ganglion of Drosophila melanogaster. *PLoS ONE*, **2007**, 2, e695	3.7	48
82	Histamine-immunoreactive neurons in the midbrain and suboesophageal ganglion of sphinx moth Manduca sexta. *Journal of Comparative Neurology*, **1991**, 307, 647-57	3.4	48
81	Sky Compass Orientation in Desert Locusts-Evidence from Field and Laboratory Studies. *Frontiers in Behavioral Neuroscience*, **2015**, 9, 346	3.5	47
80	Distribution of acetylcholinesterase activity in the deutocerebrum of the sphinx moth Manduca sexta. *Cell and Tissue Research*, **1995**, 279, 249-59	4.2	47
79	A simple method for immunofluorescent double staining with primary antisera from the same species. *Journal of Histochemistry and Cytochemistry*, **1993**, 41, 627-30	3.4	46
78	Implementation of pigment-dispersing factor-immunoreactive neurons in a standardized atlas of the brain of the cockroach Leucophaea maderae. *Journal of Comparative Neurology*, **2010**, 518, 4113-33	3.4	43
77	Mas-allatotropin/Lom-AG-myotropin I immunostaining in the brain of the locust, Schistocerca gregaria. *Cell and Tissue Research*, **2004**, 318, 439-57	4.2	43
76	Histamine-immunoreactive neurons in the brain of the cockroach Leucophaea maderae. *Brain Research*, **1999**, 842, 408-18	3.7	43
75	Postembryonic development of gamma-aminobutyric acid-like immunoreactivity in the brain of the sphinx moth Manduca sexta. *Journal of Comparative Neurology*, **1994**, 339, 132-49	3.4	43
74	Crustacean cardioactive peptide-immunoreactive neurons innervating brain neuropils, retrocerebral complex and stomatogastric nervous system of the locust, Locusta migratoria. *Cell and Tissue Research*, **1995**, 279, 495-515	4.2	42
73	A distinct layer of the medulla integrates sky compass signals in the brain of an insect. *PLoS ONE*, **2011**, 6, e27855	3.7	38
72	Microglomerular Synaptic Complexes in the Sky-Compass Network of the Honeybee Connect Parallel Pathways from the Anterior Optic Tubercle to the Central Complex. *Frontiers in Behavioral Neuroscience*, **2016**, 10, 186	3.5	38
71	Widespread sensitivity to looming stimuli and small moving objects in the central complex of an insect brain. *Journal of Neuroscience*, **2013**, 33, 8122-33	6.6	36
70	Response Characteristics and Identification of Extrinsic Mushroom Body Neurons of the Bee. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences*, **1979**, 34, 612-615	1.7	36

69	Receptive fields of locust brain neurons are matched to polarization patterns of the sky. *Current Biology*, **2014**, 24, 2124-2129	6.3	35
68	Evidence of red sensitive photoreceptors in Pygopleurus israelitus (Glaphyridae: Coleoptera) and its implications for beetle pollination in the southeast Mediterranean. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **2012**, 198, 451-63	2.3	35
67	Distribution of neuropeptides in the primary olfactory center of the heliothine moth Heliothis virescens. *Cell and Tissue Research*, **2007**, 327, 385-98	4.2	35
66	Topographically distinct visual and olfactory inputs to the mushroom body in the Swallowtail butterfly, Papilio xuthus. *Journal of Comparative Neurology*, **2015**, 523, 162-82	3.4	34
65	Gamma-aminobutyric acid immunostaining in the antennal lobe of the moth Heliothis virescens and its colocalization with neuropeptides. *Cell and Tissue Research*, **2009**, 335, 593-605	4.2	34
64	Neuroactive Substances in the Antennal Lobe **1999**, 181-206		34
63	Serotonin-immunoreactive neurons in the brain of Manduca sexta during larval development and larval-pupal metamorphosis. *International Journal of Developmental Neuroscience*, **1989**, 7, 55-72	2.7	33
62	Localization of nitric oxide synthase in the central complex and surrounding midbrain neuropils of the locust Schistocerca gregaria. *Journal of Comparative Neurology*, **2005**, 484, 206-23	3.4	32
61	Integration of celestial compass cues in the central complex of the locust brain. *Journal of Experimental Biology*, **2018**, 221,	3	30
60	Polarization-sensitive descending neurons in the locust: connecting the brain to thoracic ganglia. *Journal of Neuroscience*, **2011**, 31, 2238-47	6.6	29
59	Evidence for the possible existence of a second polarization-vision pathway in the locust brain. *Journal of Insect Physiology*, **2010**, 56, 971-9	2.4	27
58	Regulation of cyclic GMP elevation in the developing antennal lobe of the Sphinx moth, Manduca sexta. *Journal of Neurobiology*, **1999**, 41, 359-75		26
57	Acetylcholinesterase activity in antennal receptor neurons of the sphinx moth Manduca sexta. *Cell and Tissue Research*, **1990**, 262, 245-52	4.2	26
56	Amplitude and dynamics of polarization-plane signaling in the central complex of the locust brain. *Journal of Neurophysiology*, **2015**, 113, 3291-311	3.2	25
55	Opsin expression, physiological characterization and identification of photoreceptor cells in the dorsal rim area and main retina of the desert locust, Schistocerca gregaria. *Journal of Experimental Biology*, **2014**, 217, 3557-68	3	25
54	Orcokinin immunoreactivity in the accessory medulla of the cockroach Leucophaea maderae. *Cell and Tissue Research*, **2006**, 325, 589-600	4.2	25
53	Development and steroid regulation of RFamide immunoreactivity in antennal-lobe neurons of the sphinx moth Manduca sexta. *Journal of Experimental Biology*, **2004**, 207, 2389-400	3	23
52	Receptive field properties and intensity-response functions of polarization-sensitive neurons of the optic tubercle in gregarious and solitarious locusts. *Journal of Neurophysiology*, **2012**, 108, 1695-710	3.2	22

51	Revisiting the anatomy of the central nervous system of a hemimetabolous model insect species: the pea aphid Acyrthosiphon pisum. *Cell and Tissue Research*, **2011**, 343, 343-55	4.2	22
50	Candidates for extraocular photoreceptors in the cockroach suggest homology to the lamina and lobula organs in beetles. *Journal of Comparative Neurology*, **2001**, 433, 401-14	3.4	22
49	Myoinhibitory peptides in the brain of the cockroach Leucophaea maderae and colocalization with pigment-dispersing factor in circadian pacemaker cells. *Journal of Comparative Neurology*, **2012**, 520, 1078-97	3.4	21
48	NO/cGMP signalling: L: -citrulline and cGMP immunostaining in the central complex of the desert locust Schistocerca gregaria. *Cell and Tissue Research*, **2009**, 337, 327-40	4.2	19
47	Topographic organization and possible function of the posterior optic tubercles in the brain of the desert locust Schistocerca gregaria. *Journal of Comparative Neurology*, **2015**, 523, 1589-607	3.4	18
46	Identification of distinct tyraminergic and octopaminergic neurons innervating the central complex of the desert locust, Schistocerca gregaria. *Journal of Comparative Neurology*, **2013**, 521, 2025-41	3.4	18
45	Immunocytochemistry of histamine in the brain of the locust Schistocerca gregaria. *Cell and Tissue Research*, **2004**, 317, 195-205	4.2	18
44	Ocellar interneurons in the honeybee. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **1984**, 155, 151-160	2.3	18
43	Photoreceptor projections and receptive fields in the dorsal rim area and main retina of the locust eye. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **2015**, 201, 427-40	2.3	17
42	Immunocytochemical localization of amines and GABA in the optic lobe of the butterfly, Papilio xuthus. *PLoS ONE*, **2012**, 7, e41109	3.7	17
41	Anatomy of the lobula complex in the brain of the praying mantis compared to the lobula complexes of the locust and cockroach. *Journal of Comparative Neurology*, **2017**, 525, 2343-2357	3.4	16
40	Two Compasses in the Central Complex of the Locust Brain. *Journal of Neuroscience*, **2019**, 39, 3070-3086	6.6	16
39	Identification and distribution of SIFamide in the nervous system of the desert locust Schistocerca gregaria. *Journal of Comparative Neurology*, **2015**, 523, 108-25	3.4	16
38	Anatomical organization of the cerebrum of the desert locust Schistocerca gregaria. *Cell and Tissue Research*, **2018**, 374, 39-62	4.2	16
37	Conditional perception under stimulus ambiguity: polarization- and azimuth-sensitive neurons in the locust brain are inhibited by low degrees of polarization. *Journal of Neurophysiology*, **2011**, 105, 28-35	2.2	16
36	Matched-filter coding of sky polarization results in an internal sun compass in the brain of the desert locust. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 25810-25817	11.5	16
35	Immunocytochemistry of GABA and glutamic acid decarboxylase in the thoracic ganglion of the crab Eriphia spinifrons. *Cell and Tissue Research*, **1993**, 271, 279-288	4.2	15
34	Neuroarchitecture of the central complex of the desert locust: Tangential neurons. *Journal of Comparative Neurology*, **2020**, 528, 906-934	3.4	14

33	Surgical lesion of the anterior optic tract abolishes polarotaxis in tethered flying locusts, Schistocerca gregaria. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **2007**, 193, 43-50	2.3	11
32	Development of pigment-dispersing hormone-like immunoreactivity in the brain of the locust Schistocerca gregaria: comparison with immunostaining for urotensin I and Mas-allatotropin. *Cell and Tissue Research*, **1996**, 285, 127-139	4.2	9
31	Insect Brains: Minute Structures Controlling Complex Behaviors. *Diversity and Commonality in Animals*, **2017**, 123-151		8
30	Interaction of compass sensing and object-motion detection in the locust central complex. *Journal of Neurophysiology*, **2017**, 118, 496-506	3.2	7
29	GABA immunostaining in the central complex of dicondylian insects. *Journal of Comparative Neurology*, **2018**, 526, 2301-2318	3.4	7
28	Ultrastructure of GABA- and Tachykinin-Immunoreactive Neurons in the Lower Division of the Central Body of the Desert Locust. *Frontiers in Behavioral Neuroscience*, **2016**, 10, 230	3.5	7
27	Neuroarchitecture of the central complex in the brain of the honeybee: Neuronal cell types. *Journal of Comparative Neurology*, **2021**, 529, 159-186	3.4	7
26	Sustained oscillations in an insect visual system. *Die Naturwissenschaften*, **1998**, 85, 238-240	2	6
25	Neurobiology of polarization vision in the locust Schistocerca gregaria. *Acta Biologica Hungarica*, **2004**, 55, 81-9		6
24	Olfaction in Manduca sexta: Cellular Mechanisms of Responses to Sex Pheromone **1992**, 323-338		6
23	Distribution of tachykinin-related peptides in the brain of the tobacco budworm Heliothis virescens. *Journal of Comparative Neurology*, **2017**, 525, 3918-3934	3.4	5
22	Responses of compass neurons in the locust brain to visual motion and leg motor activity. *Journal of Experimental Biology*, **2019**, 222,	3	4
21	Synchronization of wing beat cycle of the desert locust, Schistocerca gregaria, by periodic light flashes. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **2010**, 196, 199-211	2.3	4
20	A unified platform to manage, share, and archive morphological and functional data in insect neuroscience. *ELife*, **2021**, 10,	8.9	4
19	Compass Cells in the Brain of an Insect Are Sensitive to Novel Events in the Visual World. *PLoS ONE*, **2015**, 10, e0144501	3.7	3
18	Implementation of pigment-dispersing factor-immunoreactive neurons in a standardized atlas of the brain of the cockroach Leucophaea maderae. *Journal of Comparative Neurology*, **2010**, 518, spc1-spc1	3.4	3
17	Maplike representation of celestial E-vector orientations in the brain of an insect. *E-Neuroforum*, **2007**, 13, 62-63		3
16	Immunocytochemical characterization of the accessory medulla in the cockroach Leucophaea maderae **1995**, 282, 3		3

List of Publications

15	Orcokinin in the central complex of the locust Schistocerca gregaria: Identification of immunostained neurons and colocalization with other neuroactive substances. *Journal of Comparative Neurology*, **2021**, 529, 1876-1894	3.4	3
14	Penzlin - Lehrbuch der Tierphysiologie **2021**,		3
13	Distribution of acetylcholinesterase activity in the deutocerebrum of the sphinx moth Manduca sexta. *Cell and Tissue Research*, **1995**, 279, 249-259	4.2	2
12	Neurons in the brain of the desert locust Schistocerca gregaria sensitive to polarized light at low stimulus elevations. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **2016**, 202, 759-781	2.3	1
11	Multisensory Processing in the Insect Brain. *Frontiers in Neuroscience*, **2004**,		1
10	InsectBrainDatabase - A unified platform to manage, share, and archive morphological and functional data		1
9	Anatomical and ultrastructural analysis of the posterior optic tubercle in the locust Schistocerca gregaria. *Arthropod Structure and Development*, **2020**, 58, 100971	1.8	1
8	The velvet worm brain unveils homologies and evolutionary novelties across panarthropods.. *BMC Biology*, **2022**, 20, 26	7.3	0
7	Tyrosine hydroxylase immunostaining in the central complex of dicondylian insects. *Journal of Comparative Neurology*, **2021**, 529, 3131-3154	3.4	0
6	Organization and neural connections of the lateral complex in the brain of the desert locust. *Journal of Comparative Neurology*, **2021**, 529, 3533-3560	3.4	0
5	Performance of polarization-sensitive neurons of the locust central complex at different degrees of polarization.. *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, **2022**, 1	2.3	0
4	Topographic organization and possible function of the posterior optic tubercles in the brain of the desert locust Schistocerca gregaria. *Journal of Comparative Neurology*, **2015**, 523, Spc1-Spc1	3.4	
3	Neurotransmitters and Neuropeptides in the Olfactory Pathway of the Sphinx Moth Manduca Sexta **1986**, 255-258		
2	Neural Signal Processing in the Median Protocerebrum of the Bee **1987**, 253-264		
1	Neuronale Systeme **2021**, 443-580		