

Uwe Homberg

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	The velvet worm brain unveils homologies and evolutionary novelties across panarthropods.. <i>BMC Biology</i> , 2022 , 20, 26	7.3	0
139	Performance of polarization-sensitive neurons of the locust central complex at different degrees of polarization.. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2022 , 1	2.3	0
138	Tyrosine hydroxylase immunostaining in the central complex of dicondylian insects. <i>Journal of Comparative Neurology</i> , 2021 , 529, 3131-3154	3.4	0
137	Neuroarchitecture of the central complex in the brain of the honeybee: Neuronal cell types. <i>Journal of Comparative Neurology</i> , 2021 , 529, 159-186	3.4	7
136	Orcokinin in the central complex of the locust <i>Schistocerca gregaria</i> : Identification of immunostained neurons and colocalization with other neuroactive substances. <i>Journal of Comparative Neurology</i> , 2021 , 529, 1876-1894	3.4	3
135	Organization and neural connections of the lateral complex in the brain of the desert locust. <i>Journal of Comparative Neurology</i> , 2021 , 529, 3533-3560	3.4	0
134	A unified platform to manage, share, and archive morphological and functional data in insect neuroscience. <i>ELife</i> , 2021 , 10,	8.9	4
133	Penzlin - Lehrbuch der Tierphysiologie 2021 ,		3
132	Neuronale Systeme 2021 , 443-580		
131	Neuroarchitecture of the central complex of the desert locust: Tangential neurons. <i>Journal of Comparative Neurology</i> , 2020 , 528, 906-934	3.4	14
130	Matched-filter coding of sky polarization results in an internal sun compass in the brain of the desert locust. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 25810-25817	11.5	16
129	Anatomical and ultrastructural analysis of the posterior optic tubercle in the locust <i>Schistocerca gregaria</i> . <i>Arthropod Structure and Development</i> , 2020 , 58, 100971	1.8	1
128	Responses of compass neurons in the locust brain to visual motion and leg motor activity. <i>Journal of Experimental Biology</i> , 2019 , 222,	3	4
127	Two Compasses in the Central Complex of the Locust Brain. <i>Journal of Neuroscience</i> , 2019 , 39, 3070-3080	6.6	16
126	GABA immunostaining in the central complex of dicondylian insects. <i>Journal of Comparative Neurology</i> , 2018 , 526, 2301-2318	3.4	7
125	Anatomical organization of the cerebrum of the desert locust <i>Schistocerca gregaria</i> . <i>Cell and Tissue Research</i> , 2018 , 374, 39-62	4.2	16
124	Integration of celestial compass cues in the central complex of the locust brain. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	30

123	Insect Brains: Minute Structures Controlling Complex Behaviors. <i>Diversity and Commonality in Animals</i> , 2017 , 123-151		8
122	Interaction of compass sensing and object-motion detection in the locust central complex. <i>Journal of Neurophysiology</i> , 2017 , 118, 496-506	3.2	7
121	Anatomy of the lobula complex in the brain of the praying mantis compared to the lobula complexes of the locust and cockroach. <i>Journal of Comparative Neurology</i> , 2017 , 525, 2343-2357	3.4	16
120	Distribution of tachykinin-related peptides in the brain of the tobacco budworm <i>Heliothis virescens</i> . <i>Journal of Comparative Neurology</i> , 2017 , 525, 3918-3934	3.4	5
119	Neurons in the brain of the desert locust <i>Schistocerca gregaria</i> sensitive to polarized light at low stimulus elevations. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2016 , 202, 759-781	2.3	1
118	Microglomerular Synaptic Complexes in the Sky-Compass Network of the Honeybee Connect Parallel Pathways from the Anterior Optic Tubercle to the Central Complex. <i>Frontiers in Behavioral Neuroscience</i> , 2016 , 10, 186	3.5	38
117	Ultrastructure of GABA- and Tachykinin-Immunoreactive Neurons in the Lower Division of the Central Body of the Desert Locust. <i>Frontiers in Behavioral Neuroscience</i> , 2016 , 10, 230	3.5	7
116	Amplitude and dynamics of polarization-plane signaling in the central complex of the locust brain. <i>Journal of Neurophysiology</i> , 2015 , 113, 3291-311	3.2	25
115	Photoreceptor projections and receptive fields in the dorsal rim area and main retina of the locust eye. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2015 , 201, 427-40	2.3	17
114	Identification and distribution of SIFamide in the nervous system of the desert locust <i>Schistocerca gregaria</i> . <i>Journal of Comparative Neurology</i> , 2015 , 523, 108-25	3.4	16
113	Topographic organization and possible function of the posterior optic tubercles in the brain of the desert locust <i>Schistocerca gregaria</i> . <i>Journal of Comparative Neurology</i> , 2015 , 523, Spc1-Spc1	3.4	
112	Topographically distinct visual and olfactory inputs to the mushroom body in the Swallowtail butterfly, <i>Papilio xuthus</i> . <i>Journal of Comparative Neurology</i> , 2015 , 523, 162-82	3.4	34
111	Sky Compass Orientation in Desert Locusts-Evidence from Field and Laboratory Studies. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 346	3.5	47
110	Compass Cells in the Brain of an Insect Are Sensitive to Novel Events in the Visual World. <i>PLoS ONE</i> , 2015 , 10, e0144501	3.7	3
109	Topographic organization and possible function of the posterior optic tubercles in the brain of the desert locust <i>Schistocerca gregaria</i> . <i>Journal of Comparative Neurology</i> , 2015 , 523, 1589-607	3.4	18
108	A systematic nomenclature for the insect brain. <i>Neuron</i> , 2014 , 81, 755-65	13.9	407
107	Organization and functional roles of the central complex in the insect brain. <i>Annual Review of Entomology</i> , 2014 , 59, 165-84	21.8	234
106	Opsin expression, physiological characterization and identification of photoreceptor cells in the dorsal rim area and main retina of the desert locust, <i>Schistocerca gregaria</i> . <i>Journal of Experimental Biology</i> , 2014 , 217, 3557-68	3	25

105	Integration of polarization and chromatic cues in the insect sky compass. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2014 , 200, 575-89	2.3	72
104	Receptive fields of locust brain neurons are matched to polarization patterns of the sky. <i>Current Biology</i> , 2014 , 24, 2124-2129	6.3	35
103	Widespread sensitivity to looming stimuli and small moving objects in the central complex of an insect brain. <i>Journal of Neuroscience</i> , 2013 , 33, 8122-33	6.6	36
102	Identification of distinct tyraminerpic and octopaminergic neurons innervating the central complex of the desert locust, <i>Schistocerca gregaria</i> . <i>Journal of Comparative Neurology</i> , 2013 , 521, 2025-41	3.4	18
101	Myoinhibitory peptides in the brain of the cockroach <i>Leucophaea maderae</i> and colocalization with pigment-dispersing factor in circadian pacemaker cells. <i>Journal of Comparative Neurology</i> , 2012 , 520, 1078-97	3.4	21
100	Receptive field properties and intensity-response functions of polarization-sensitive neurons of the optic tubercle in gregarious and solitary locusts. <i>Journal of Neurophysiology</i> , 2012 , 108, 1695-710	3.2	22
99	Evidence of red sensitive photoreceptors in <i>Pygopleurus israelitus</i> (Glaphyridae: Coleoptera) and its implications for beetle pollination in the southeast Mediterranean. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2012 , 198, 451-63	2.3	35
98	Immunocytochemical localization of amines and GABA in the optic lobe of the butterfly, <i>Papilio xuthus</i> . <i>PLoS ONE</i> , 2012 , 7, e41109	3.7	17
97	Conditional perception under stimulus ambiguity: polarization- and azimuth-sensitive neurons in the locust brain are inhibited by low degrees of polarization. <i>Journal of Neurophysiology</i> , 2011 , 105, 28-35	3.2	16
96	Revisiting the anatomy of the central nervous system of a hemimetabolous model insect species: the pea aphid <i>Acyrtosiphon pisum</i> . <i>Cell and Tissue Research</i> , 2011 , 343, 343-55	4.2	22
95	Central neural coding of sky polarization in insects. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011 , 366, 680-7	5.8	173
94	Polarization-sensitive descending neurons in the locust: connecting the brain to thoracic ganglia. <i>Journal of Neuroscience</i> , 2011 , 31, 2238-47	6.6	29
93	A distinct layer of the medulla integrates sky compass signals in the brain of an insect. <i>PLoS ONE</i> , 2011 , 6, e27855	3.7	38
92	Synchronization of wing beat cycle of the desert locust, <i>Schistocerca gregaria</i> , by periodic light flashes. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2010 , 196, 199-211	2.3	4
91	Evidence for the possible existence of a second polarization-vision pathway in the locust brain. <i>Journal of Insect Physiology</i> , 2010 , 56, 971-9	2.4	27
90	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, 4113-33	3.4	43
89	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	3.4	3
88	Linking the input to the output: new sets of neurons complement the polarization vision network in the locust central complex. <i>Journal of Neuroscience</i> , 2009 , 29, 4911-21	6.6	87

87	Gamma-aminobutyric acid immunostaining in the antennal lobe of the moth <i>Heliothis virescens</i> and its colocalization with neuropeptides. <i>Cell and Tissue Research</i> , 2009 , 335, 593-605	4.2	34
86	NO/cGMP signalling: L: -citrulline and cGMP immunostaining in the central complex of the desert locust <i>Schistocerca gregaria</i> . <i>Cell and Tissue Research</i> , 2009 , 337, 327-40	4.2	19
85	Transformation of polarized light information in the central complex of the locust. <i>Journal of Neuroscience</i> , 2009 , 29, 11783-93	6.6	82
84	The Locust Standard Brain: A 3D Standard of the Central Complex as a Platform for Neural Network Analysis. <i>Frontiers in Systems Neuroscience</i> , 2009 , 3, 21	3.5	53
83	Evolution of the central complex in the arthropod brain with respect to the visual system. <i>Arthropod Structure and Development</i> , 2008 , 37, 347-62	1.8	127
82	Standardized atlas of the brain of the desert locust, <i>Schistocerca gregaria</i> . <i>Cell and Tissue Research</i> , 2008 , 333, 125-45	4.2	95
81	A novel type of microglomerular synaptic complex in the polarization vision pathway of the locust brain. <i>Journal of Comparative Neurology</i> , 2008 , 506, 288-300	3.4	52
80	Neuroarchitecture of the central complex of the desert locust: Intrinsic and columnar neurons. <i>Journal of Comparative Neurology</i> , 2008 , 511, 454-78	3.4	118
79	Neuroarchitecture of peptidergic systems in the larval ventral ganglion of <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2007 , 2, e695	3.7	48
78	Coding of azimuthal directions via time-compensated combination of celestial compass cues. <i>Current Biology</i> , 2007 , 17, 960-5	6.3	96
77	Surgical lesion of the anterior optic tract abolishes polarotaxis in tethered flying locusts, <i>Schistocerca gregaria</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007 , 193, 43-50	2.3	11
76	Spectral properties of identified polarized-light sensitive interneurons in the brain of the desert locust <i>Schistocerca gregaria</i> . <i>Journal of Experimental Biology</i> , 2007 , 210, 1350-61	3	51
75	Maplike representation of celestial E-vector orientations in the brain of an insect. <i>Science</i> , 2007 , 315, 995-7	33.3	258
74	Maplike representation of celestial E-vector orientations in the brain of an insect. <i>E-Neuroforum</i> , 2007 , 13, 62-63		3
73	Distribution of neuropeptides in the primary olfactory center of the heliothine moth <i>Heliothis virescens</i> . <i>Cell and Tissue Research</i> , 2007 , 327, 385-98	4.2	35
72	Evidence for a role of orcokinin-related peptides in the circadian clock controlling locomotor activity of the cockroach <i>Leucophaea maderae</i> . <i>Journal of Experimental Biology</i> , 2006 , 209, 2794-803	3	59
71	Orcokinin immunoreactivity in the accessory medulla of the cockroach <i>Leucophaea maderae</i> . <i>Cell and Tissue Research</i> , 2006 , 325, 589-600	4.2	25
70	Neuropeptides in interneurons of the insect brain. <i>Cell and Tissue Research</i> , 2006 , 326, 1-24	4.2	137

69	Organization and evolutionary trends of primary olfactory brain centers in Tetraconata (Crustacea+Hexapoda). <i>Arthropod Structure and Development</i> , 2005 , 34, 257-299	1.8	184
68	Localization of nitric oxide synthase in the central complex and surrounding midbrain neuropils of the locust <i>Schistocerca gregaria</i> . <i>Journal of Comparative Neurology</i> , 2005 , 484, 206-23	3.4	32
67	Novel insect orcokinin: characterization and neuronal distribution in the brains of selected dicondylan insects. <i>Journal of Comparative Neurology</i> , 2005 , 490, 57-71	3.4	71
66	Polarization-sensitive and light-sensitive neurons in two parallel pathways passing through the anterior optic tubercle in the locust brain. <i>Journal of Neurophysiology</i> , 2005 , 94, 3903-15	3.2	84
65	Neurobiology of polarization vision in the locust <i>Schistocerca gregaria</i> . <i>Acta Biologica Hungarica</i> , 2004 , 55, 81-9		6
64	Development and steroid regulation of RFamide immunoreactivity in antennal-lobe neurons of the sphinx moth <i>Manduca sexta</i> . <i>Journal of Experimental Biology</i> , 2004 , 207, 2389-400	3	23
63	Immunocytochemistry of histamine in the brain of the locust <i>Schistocerca gregaria</i> . <i>Cell and Tissue Research</i> , 2004 , 317, 195-205	4.2	18
62	Mas-allatotropin/Lom-AG-myotropin I immunostaining in the brain of the locust, <i>Schistocerca gregaria</i> . <i>Cell and Tissue Research</i> , 2004 , 318, 439-57	4.2	43
61	Behavioral analysis of polarization vision in tethered flying locusts. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2004 , 190, 61-8	2.3	79
60	In search of the sky compass in the insect brain. <i>Die Naturwissenschaften</i> , 2004 , 91, 199-208	2	133
59	Multisensory Processing in the Insect Brain. <i>Frontiers in Neuroscience</i> , 2004 ,		1
58	Organization and neural connections of the anterior optic tubercle in the brain of the locust, <i>Schistocerca gregaria</i> . <i>Journal of Comparative Neurology</i> , 2003 , 462, 415-30	3.4	92
57	Neural organization of the circadian system of the cockroach <i>Leucophaea maderae</i> . <i>Chronobiology International</i> , 2003 , 20, 577-91	3.6	80
56	Ultrastructure and orientation of ommatidia in the dorsal rim area of the locust compound eye. <i>Arthropod Structure and Development</i> , 2002 , 30, 271-80	1.8	70
55	Neurotransmitters and neuropeptides in the brain of the locust. <i>Microscopy Research and Technique</i> , 2002 , 56, 189-209	2.8	107
54	Neurons of the central complex of the locust <i>Schistocerca gregaria</i> are sensitive to polarized light. <i>Journal of Neuroscience</i> , 2002 , 22, 1114-25	6.6	133
53	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	3	74
52	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	3	68

51	Candidates for extraocular photoreceptors in the cockroach suggest homology to the lamina and lobula organs in beetles. <i>Journal of Comparative Neurology</i> , 2001 , 433, 401-14	3.4	22
50	Anatomy and physiology of neurons with processes in the accessory medulla of the cockroach <i>Leucophaea maderae</i> . <i>Journal of Comparative Neurology</i> , 2001 , 439, 193-207	3.4	59
49	Antennal Lobe Structure 1999 , 97-124		77
48	Histamine-immunoreactive neurons in the brain of the cockroach <i>Leucophaea maderae</i> . <i>Brain Research</i> , 1999 , 842, 408-18	3.7	43
47	Regulation of cyclic GMP elevation in the developing antennal lobe of the Sphinx moth, <i>Manduca sexta</i> . <i>Journal of Neurobiology</i> , 1999 , 41, 359-75		26
46	Immunocytochemistry of GABA in the central complex of the locust <i>Schistocerca gregaria</i> : identification of immunoreactive neurons and colocalization with neuropeptides. <i>Journal of Comparative Neurology</i> , 1999 , 409, 495-507	3.4	67
45	Neuroactive Substances in the Antennal Lobe 1999 , 181-206		34
44	Immunocytochemical demonstration of locustatachykinin-related peptides in the central complex of the locust brain. <i>Journal of Comparative Neurology</i> , 1998 , 390, 455-69	3.4	59
43	Sustained oscillations in an insect visual system. <i>Die Naturwissenschaften</i> , 1998 , 85, 238-240	2	6
42	Organization of the circadian system in insects. <i>Chronobiology International</i> , 1998 , 15, 567-94	3.6	181
41	Neuroarchitecture of the lower division of the central body in the brain of the locust (<i>Schistocerca gregaria</i>). <i>Cell and Tissue Research</i> , 1997 , 288, 159-76	4.2	110
40	Movement-sensitive, polarization-sensitive, and light-sensitive neurons of the medulla and accessory medulla of the locust, <i>Schistocerca gregaria</i> . <i>Journal of Comparative Neurology</i> , 1997 , 386, 329-346	3.4	50
39	Distribution of Dip-allatostatin I-like immunoreactivity in the brain of the locust <i>Schistocerca gregaria</i> with detailed analysis of immunostaining in the central complex. <i>Journal of Comparative Neurology</i> , 1996 , 369, 419-37	3.4	103
38	Development of pigment-dispersing hormone-like immunoreactivity in the brain of the locust <i>Schistocerca gregaria</i> : comparison with immunostaining for urotensin I and Mas-allatotropin. <i>Cell and Tissue Research</i> , 1996 , 285, 127-139	4.2	9
37	Neuroanatomy and immunocytochemistry of the median neuroendocrine cells of the subesophageal ganglion of the tobacco hawkmoth, <i>Manduca sexta</i> : immunoreactivities to PBAN and other neuropeptides. <i>Microscopy Research and Technique</i> , 1996 , 35, 201-29	2.8	57
36	Crustacean cardioactive peptide-immunoreactive neurons innervating brain neuropils, retrocerebral complex and stomatogastric nervous system of the locust, <i>Locusta migratoria</i> . <i>Cell and Tissue Research</i> , 1995 , 279, 495-515	4.2	42
35	Distribution of acetylcholinesterase activity in the deutocerebrum of the sphinx moth <i>Manduca sexta</i> . <i>Cell and Tissue Research</i> , 1995 , 279, 249-59	4.2	47
34	Immunocytochemical characterization of the accessory medulla in the cockroach <i>Leucophaea maderae</i> . <i>Cell and Tissue Research</i> , 1995 , 282, 3-19	4.2	91

33	Immunocytochemical mapping of serotonin and neuropeptides in the accessory medulla of the locust, <i>Schistocerca gregaria</i> . <i>Journal of Comparative Neurology</i> , 1995 , 362, 305-19	3-4	50
32	Distribution of acetylcholinesterase activity in the deutocerebrum of the sphinx moth <i>Manduca sexta</i> . <i>Cell and Tissue Research</i> , 1995 , 279, 249-259	4-2	2
31	Immunocytochemical characterization of the accessory medulla in the cockroach <i>Leucophaea maderae</i> 1995 , 282, 3		3
30	Flight-correlated activity changes in neurons of the lateral accessory lobes in the brain of the locust <i>Schistocerca gregaria</i> . <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1994 , 175, 597	2-3	88
29	Pigment-dispersing hormone-immunoreactive neurons in the cockroach <i>Leucophaea maderae</i> share properties with circadian pacemaker neurons. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1994 , 175, 203-13	2-3	128
28	Postembryonic development of gamma-aminobutyric acid-like immunoreactivity in the brain of the sphinx moth <i>Manduca sexta</i> . <i>Journal of Comparative Neurology</i> , 1994 , 339, 132-49	3-4	43
27	A simple method for immunofluorescent double staining with primary antisera from the same species. <i>Journal of Histochemistry and Cytochemistry</i> , 1993 , 41, 627-30	3-4	46
26	Pigment-dispersing hormone-immunoreactive neurons in the nervous system of wild-type <i>Drosophila melanogaster</i> and of several mutants with altered circadian rhythmicity. <i>Journal of Comparative Neurology</i> , 1993 , 337, 177-90	3-4	162
25	Crustacean cardioactive peptide-immunoreactive neurons in the hawkmoth <i>Manduca sexta</i> and changes in their immunoreactivity during postembryonic development. <i>Journal of Comparative Neurology</i> , 1993 , 338, 612-27	3-4	107
24	Immunocytochemistry of GABA and glutamic acid decarboxylase in the thoracic ganglion of the crab <i>Eriphia spinifrons</i> . <i>Cell and Tissue Research</i> , 1993 , 271, 279-288	4-2	15
23	Olfaction in <i>Manduca sexta</i> : Cellular Mechanisms of Responses to Sex Pheromone 1992 , 323-338		6
22	Immunocytochemistry of dopamine in the brain of the locust <i>Schistocerca gregaria</i> . <i>Journal of Comparative Neurology</i> , 1992 , 321, 387-403	3-4	73
21	Comparative anatomy of pigment-dispersing hormone-immunoreactive neurons in the brain of orthopteroid insects. <i>Cell and Tissue Research</i> , 1991 , 266, 343-357	4-2	143
20	Peptide-immunocytochemistry of neurosecretory cells in the brain and retrocerebral complex of the sphinx moth <i>Manduca sexta</i> . <i>Journal of Comparative Neurology</i> , 1991 , 303, 35-52	3-4	91
19	Neuroarchitecture of the central complex in the brain of the locust <i>Schistocerca gregaria</i> and <i>S. americana</i> as revealed by serotonin immunocytochemistry. <i>Journal of Comparative Neurology</i> , 1991 , 303, 245-54	3-4	100
18	Histamine-immunoreactive neurons in the midbrain and suboesophageal ganglion of sphinx moth <i>Manduca sexta</i> . <i>Journal of Comparative Neurology</i> , 1991 , 307, 647-57	3-4	48
17	Distribution of FMRFamide-like immunoreactivity in the brain and suboesophageal ganglion of the sphinx moth <i>Manduca sexta</i> and colocalization with SCPB-, BPP-, and GABA-like immunoreactivity. <i>Cell and Tissue Research</i> , 1990 , 259, 401-19	4-2	95
16	Acetylcholinesterase activity in antennal receptor neurons of the sphinx moth <i>Manduca sexta</i> . <i>Cell and Tissue Research</i> , 1990 , 262, 245-52	4-2	26

15	A new peptide in the FMRFamide family isolated from the CNS of the hawkmoth, <i>Manduca sexta</i> . <i>Peptides</i> , 1990 , 11, 849-56	3.8	129
14	Serotonin-immunoreactive neurons in the median protocerebrum and suboesophageal ganglion of the sphinx moth <i>Manduca sexta</i> . <i>Cell and Tissue Research</i> , 1989 , 258, 1-24	4.2	79
13	Serotonin immunoreactivity in the optic lobes of the sphinx moth <i>Manduca sexta</i> and colocalization with FMRFamide and SCPB immunoreactivity. <i>Journal of Comparative Neurology</i> , 1989 , 288, 243-53	3.4	52
12	Serotonin-immunoreactive neurons in the brain of <i>Manduca sexta</i> during larval development and larval-pupal metamorphosis. <i>International Journal of Developmental Neuroscience</i> , 1989 , 7, 55-72	2.7	33
11	Structure and function of the deutocerebrum in insects. <i>Annual Review of Entomology</i> , 1989 , 34, 477-501	2.8	306
10	Anatomy of antenno-cerebral pathways in the brain of the sphinx moth <i>Manduca sexta</i> . <i>Cell and Tissue Research</i> , 1988 , 254, 255-81	4.2	209
9	Immunocytochemistry of GABA in the brain and suboesophageal ganglion of <i>Manduca sexta</i> . <i>Cell and Tissue Research</i> , 1987 , 248, 1-24	4.2	132
8	Neural Signal Processing in the Median Protocerebrum of the Bee 1987 , 253-264		
7	Immunocytochemistry of GABA in the antennal lobes of the sphinx moth <i>Manduca sexta</i> . <i>Cell and Tissue Research</i> , 1986 , 244, 243-52	4.2	161
6	Neurotransmitters and Neuropeptides in the Olfactory Pathway of the Sphinx Moth <i>Manduca sexta</i> 1986 , 255-258		
5	Interneurons of the central complex in the bee brain (<i>Apis mellifera</i> , L.). <i>Journal of Insect Physiology</i> , 1985 , 31, 251-264	2.4	86
4	Processing of antennal information in extrinsic mushroom body neurons of the bee brain. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1984 , 154, 825-836	2.3	99
3	Ocellar interneurons in the honeybee. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1984 , 155, 151-160	2.3	18
2	Response Characteristics and Identification of Extrinsic Mushroom Body Neurons of the Bee. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1979 , 34, 612-615	1.7	36
1	InsectBrainDatabase - A unified platform to manage, share, and archive morphological and functional data		1