

Hermann Wagner

List of Publications by Year in descending order

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136
papers

5,271
citations

117625

34
h-index

98798

67
g-index

138
all docs

138
docs citations

138
times ranked

3149
citing authors

#	ARTICLE	IF	CITATIONS
1	A neuronal learning rule for sub-millisecond temporal coding. <i>Nature</i> , 1996, 383, 76-78.	27.8	1,038
2	Flow-field variables trigger landing in flies. <i>Nature</i> , 1982, 297, 147-148.	27.8	360
3	Neural encoding of binocular disparity: Energy models, position shifts and phase shifts. <i>Vision Research</i> , 1996, 36, 1839-1857.	1.4	318
4	Flight performance and visual control of flight of the free-flying housefly (<i>Musca domestica</i> L.) II. Pursuit of targets. <i>Philosophical Transactions of the Royal Society of London Series B, Biological Sciences</i> , 1986, 312, 553-579.	2.3	203
5	A cortex-like canonical circuit in the avian forebrain. <i>Science</i> , 2020, 369, .	12.6	133
6	Morphometric characterisation of wing feathers of the barn owl <i>Tyto alba pratincola</i> and the pigeon <i>Columba livia</i> . <i>Frontiers in Zoology</i> , 2007, 4, 23.	2.0	110
7	Perception and neuronal coding of subjective contours in the owl. <i>Nature Neuroscience</i> , 1999, 2, 660-663.	14.8	101
8	Flight performance and visual control of flight of the free-flying housefly (<i>Musca domestica</i> L.) I. Organization of the flight motor. <i>Philosophical Transactions of the Royal Society of London Series B, Biological Sciences</i> , 1986, 312, 527-551.	2.3	96
9	Extracting Oscillations: Neuronal Coincidence Detection with Noisy Periodic Spike Input. <i>Neural Computation</i> , 1998, 10, 1987-2017.	2.2	92
10	Features of owl wings that promote silent flight. <i>Interface Focus</i> , 2017, 7, 20160078.	3.0	81
11	Flexural stiffness of feather shafts: geometry rules over material properties. <i>Journal of Experimental Biology</i> , 2012, 215, 405-415.	1.7	80
12	Stereoscopic depth perception in the owl. <i>NeuroReport</i> , 1998, 9, 1233-1237.	1.2	67
13	Role of commissural projections in the representation of bilateral auditory space in the barn owl's inferior colliculus. <i>Journal of Comparative Neurology</i> , 1989, 281, 545-554.	1.6	65
14	Experimental analysis of the flow field over a novel owl based airfoil. <i>Experiments in Fluids</i> , 2009, 46, 975-989.	2.4	62
15	Flight performance and visual control of flight of the free-flying housefly (<i>Musca domestica</i> L.) III. Interactions between angular movement induced by wide- and smallfield stimuli. <i>Philosophical Transactions of the Royal Society of London Series B, Biological Sciences</i> , 1986, 312, 581-595.	2.3	61
16	Disparity-sensitive cells in the owl have a characteristic disparity. <i>Nature</i> , 1993, 364, 796-798.	27.8	61
17	The three-dimensional shape of serrations at barn owl wings: towards a typical natural serration as a role model for biomimetic applications. <i>Journal of Anatomy</i> , 2011, 219, 192-202.	1.5	60
18	Formation of temporal-feature maps by axonal propagation of synaptic learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 4166-4171.	7.1	59

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19	Influence of the facial ruff on the sound-receiving characteristics of the barn owl's ears. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2006, 192, 1073-1082.	1.6	58
20	Spatial contrast sensitivity and grating acuity of barn owls. <i>Journal of Vision</i> , 2009, 9, 13-13.	0.3	57
21	Maternal corticosterone is transferred into the egg yolk. <i>General and Comparative Endocrinology</i> , 2012, 178, 139-144.	1.8	55
22	Horizontal-Disparity Tuning of Neurons in the Visual Forebrain of the Behaving Barn Owl. <i>Journal of Neurophysiology</i> , 2000, 83, 2967-2979.	1.8	52
23	Distribution of Interaural Time Difference in the Barn Owl's Inferior Colliculus in the Low- and High-Frequency Ranges. <i>Journal of Neuroscience</i> , 2007, 27, 4191-4200.	3.6	52
24	Sound-Localization Experiments with Barn Owls in Virtual Space: Influence of Interaural Time Difference on Head-Turning Behavior. , 2001, 2, 1-21.		51
25	Improvements of Sound Localization Abilities by the Facial Ruff of the Barn Owl (<i>Tyto alba</i>) as Demonstrated by Virtual Ruff Removal. <i>PLoS ONE</i> , 2009, 4, e7721.	2.5	51
26	Hierarchical Processing of Horizontal Disparity Information in the Visual Forebrain of Behaving Owls. <i>Journal of Neuroscience</i> , 2001, 21, 4514-4522.	3.6	50
27	Depth generalization from stereo to motion parallax in the owl. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2002, 187, 997-1007.	1.6	45
28	Microsecond Precision of Phase Delay in the Auditory System of the Barn Owl. <i>Journal of Neurophysiology</i> , 2005, 94, 1655-1658.	1.8	43
29	Receptive Fields of Neurons in the Owl's Auditory Brainstem Change Dynamically. <i>European Journal of Neuroscience</i> , 1990, 2, 949-959.	2.6	42
30	Development of calretinin immunoreactivity in the brainstem auditory nuclei of the barn owl (<i>Tyto alba</i>). <i>Journal of Neurocytology</i> , 1991, 20, 10-21.		42
31	Night vision in barn owls: Visual acuity and contrast sensitivity under dark adaptation. <i>Journal of Vision</i> , 2012, 12, 4-4.	0.3	42
32	Anatomical markers for the subdivisions of the barn owl's inferior collicular complex and adjacent periaqueductal and subventricular structures. <i>Journal of Comparative Neurology</i> , 2003, 465, 145-159.	1.6	38
33	The Cervical Spine of the American Barn Owl (<i>Tyto furcata pratincola</i>): I. Anatomy of the Vertebrae and Regionalization in Their S-Shaped Arrangement. <i>PLoS ONE</i> , 2014, 9, e91653.	2.5	38
34	Detecting interaural time differences and remodeling their representation. <i>Trends in Neurosciences</i> , 2014, 37, 289-300.	8.6	38
35	Embryonic and posthatching development of the barn owl (<i>Tyto alba</i>): Reference data for age determination. <i>Developmental Dynamics</i> , 2005, 233, 1248-1260.	1.8	37
36	On the Origin of the Extracellular Field Potential in the Nucleus Laminaris of the Barn Owl (<i>Tyto alba</i>). <i>Journal of Neurophysiology</i> , 1991, 25, 10-21.	1.8	37

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37	Sound-localization experiments with barn owls in virtual space: influence of broadband interaural level difference on head-turning behavior. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2001, 187, 225-233.	1.6	36
38	On the barn owl's visual pre-attack behavior: I. Structure of head movements and motion patterns. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2006, 192, 927-940.	1.6	36
39	Tuning to Interaural Time Difference and Frequency Differs Between the Auditory Arcopallium and the External Nucleus of the Inferior Colliculus. <i>Journal of Neurophysiology</i> , 2009, 101, 2348-2361.	1.8	34
40	Response properties of neurons in the core of the central nucleus of the inferior colliculus of the barn owl. <i>European Journal of Neuroscience</i> , 2002, 15, 1343-1352.	2.6	33
41	Through a barn owl's eyes: interactions between scene content and visual attention. <i>Biological Cybernetics</i> , 2008, 98, 115-132.	1.3	32
42	Disparity sensitivity in man and owl: Psychophysical evidence for equivalent perception of shape-from-stereo. <i>Journal of Vision</i> , 2011, 10, 10-10.	0.3	32
43	Neuroethology of prey capture in the barn owl (<i>Tyto alba</i> L.). <i>Journal of Physiology (Paris)</i> , 2013, 107, 51-61.	2.1	32
44	A Candidate Pathway for a Visual Instructional Signal to the Barn Owl's Auditory System. <i>Journal of Neuroscience</i> , 2000, 20, RC70-RC70.	3.6	29
45	A threshold explains modulation of neural responses to opposite-contrast stereograms. <i>NeuroReport</i> , 2001, 12, 3205-3208.	1.2	29
46	In-flight corrections in free-flying barn owls (<i>Tyto alba</i>) during sound localization tasks. <i>Journal of Experimental Biology</i> , 2008, 211, 2976-2988.	1.7	29
47	Overt attention toward oriented objects in free-viewing barn owls. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8461-8466.	7.1	29
48	Inner vane fringes of barn owl feathers reconsidered: morphometric data and functional aspects. <i>Journal of Anatomy</i> , 2012, 221, 1-8.	1.5	29
49	Encoding of both vertical and horizontal disparity in random-dot stereograms by Wulst neurons of awake barn owls. <i>Visual Neuroscience</i> , 2001, 18, 541-547.	1.0	28
50	Visual search in barn owls: Task difficulty and saccadic behavior. <i>Journal of Vision</i> , 2018, 18, 4.	0.3	28
51	From optics to attention: visual perception in barn owls. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2011, 197, 1031-1042.	1.6	27
52	Neurons in the midbrain of the barn owl are sensitive to the direction of apparent acoustic motion. <i>Die Naturwissenschaften</i> , 1990, 77, 439-442.	1.6	26
53	Spatial Attention Modulates Sound Localization in Barn Owls. <i>Journal of Neurophysiology</i> , 2001, 85, 1009-1012.	1.8	26
54	Morphological Variations of Leading-Edge Serrations in Owls (Strigiformes). <i>PLoS ONE</i> , 2016, 11, e0149236.	2.5	26

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55	Barn owls maximize head rotations by a combination of yawing and rolling in functionally diverse regions of the neck. <i>Journal of Anatomy</i> , 2017, 231, 12-22.	1.5	25
56	How owls structure visual information. <i>Animal Cognition</i> , 2003, 6, 39-55.	1.8	24
57	Auditory Responses in the Barn Owl's Nucleus Laminaris to Clicks: Impulse Response and Signal Analysis of Neurophonic Potential. <i>Journal of Neurophysiology</i> , 2009, 102, 1227-1240.	1.8	24
58	Barn owls have symmetrical accommodation in both eyes, but independent pupillary responses to light. <i>Vision Research</i> , 1992, 32, 1149-1155.	1.4	23
59	Transformation from a Pure Time Delay to a Mixed Time and Phase Delay Representation in the Auditory Forebrain Pathway. <i>Journal of Neuroscience</i> , 2012, 32, 5911-5923.	3.6	23
60	Dipolar extracellular potentials generated by axonal projections. <i>ELife</i> , 2017, 6, .	6.0	23
61	Principles of acoustic motion detection in animals and man. <i>Trends in Neurosciences</i> , 1997, 20, 583-588.	8.6	22
62	Azimuthal sound localization using coincidence of timing across frequency on a robotic platform. <i>Journal of the Acoustical Society of America</i> , 2007, 121, 2034-2048.	1.1	22
63	Maps of interaural delay in the owl's nucleus laminaris. <i>Journal of Neurophysiology</i> , 2015, 114, 1862-1873.	1.8	22
64	GABAergic Inhibition Influences Auditory Motion-Direction Sensitivity in Barn Owls. <i>Journal of Neurophysiology</i> , 1998, 80, 172-185.	1.8	21
65	The representation of sound localization cues in the barn owl's inferior colliculus. <i>Frontiers in Neural Circuits</i> , 2012, 6, 45.	2.8	21
66	Low frequency eardrum directionality in the barn owl induced by sound transmission through the interaural canal. <i>Biological Cybernetics</i> , 2016, 110, 333-343.	1.3	21
67	<i>Kocuria tytonis</i> sp. nov., isolated from the uropygial gland of an American barn owl (<i>Tyto furcata</i>). <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 447-451.	1.7	21
68	A temporal window for lateralization of interaural time difference by barn owls. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1991, 169, 281-9.	1.6	20
69	Barn owls (<i>Tyto alba</i>) use accommodation as a distance cue. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1991, 169, 515.	1.6	19
70	Ocular aberrations in barn owl eyes. <i>Vision Research</i> , 2007, 47, 2934-2942.	1.4	19
71	Linear summation in the barn owl's brainstem underlies responses to interaural time differences. <i>Journal of Neurophysiology</i> , 2013, 110, 117-130.	1.8	19
72	Inhibitory properties underlying non-monotonic input-output relationship in low-frequency spherical bushy neurons of the gerbil. <i>Frontiers in Neural Circuits</i> , 2015, 9, 14.	2.8	18

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73	>A Highly Rudimentary Circadian Melatonin Profile in a Nocturnal Bird, the Barn Owl (<i>Tyto alba</i>). <i>Die Naturwissenschaften</i> , 1998, 85, 402-404.	1.6	17
74	Vernier acuity in barn owls. <i>Vision Research</i> , 2007, 47, 1020-1026.	1.4	17
75	Processing of Phase-Locked Spikes and Periodic Signals. , 2010, , 59-74.		17
76	Visual pop-out in barn owls: Human-like behavior in the avian brain. <i>Journal of Vision</i> , 2015, 15, 4.	0.3	17
77	Responses of Tectal Neurons to Contrasting Stimuli: An Electrophysiological Study in the Barn Owl. <i>PLoS ONE</i> , 2012, 7, e39559.	2.5	16
78	Properties of low-frequency head-related transfer functions in the barn owl (<i>Tyto alba</i>). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2010, 196, 601-612.	1.6	15
79	A functional circuit model of interaural time difference processing. <i>Journal of Neurophysiology</i> , 2014, 112, 2850-2864.	1.8	15
80	On the ability of neurons in the barn owl's inferior colliculus to sense brief appearances of interaural time difference. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 1992, 170, 3-11.	1.6	14
81	Adaptation in the auditory midbrain of the barn owl (<i>Tyto alba</i>) induced by tonal double stimulation. <i>European Journal of Neuroscience</i> , 2012, 35, 445-456.	2.6	14
82	Morphometry of Auricular Feathers of Barn Owls (<i>Tyto alba</i>). <i>European Journal of Morphology</i> , 2002, 40, 15-21.	0.8	14
83	Visual-auditory integration for visual search: a behavioral study in barn owls. <i>Frontiers in Integrative Neuroscience</i> , 2015, 9, 11.	2.1	13
84	Contribution of action potentials to the extracellular field potential in the nucleus laminaris of barn owl. <i>Journal of Neurophysiology</i> , 2018, 119, 1422-1436.	1.8	13
85	Visual depth encoding in populations of neurons with localized receptive fields. <i>Biological Cybernetics</i> , 2002, 87, 249-261.	1.3	12
86	Development of output connections from the inferior colliculus to the optic tectum in barn owls. <i>Journal of Comparative Neurology</i> , 2003, 464, 511-524.	1.6	12
87	Target-approaching behavior of barn owls (<i>Tyto alba</i>): influence of sound frequency. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2010, 196, 227-240.	1.6	12
88	Behavioral Evidence and Neural Correlates of Perceptual Grouping by Motion in the Barn Owl. <i>Journal of Neuroscience</i> , 2018, 38, 6653-6664.	3.6	12
89	Disparity tuning as simulated by a neural net. <i>Biological Cybernetics</i> , 2000, 83, 61-72.	1.3	11
90	Sensitivity to interaural time difference and representation of azimuth in central nucleus of inferior colliculus in the barn owl. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2007, 193, 99-112.	1.6	11

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91	Estimated Cochlear Delays in Low Best-Frequency Neurons in the Barn Owl Cannot Explain Coding of Interaural Time Difference. <i>Journal of Neurophysiology</i> , 2010, 104, 1946-1954.	1.8	11
92	Maps of ITD in the Nucleus Laminaris of the Barn Owl. <i>Advances in Experimental Medicine and Biology</i> , 2013, 787, 215-222.	1.6	11
93	Combination of Interaural Level and Time Difference in Azimuthal Sound Localization in Owls. <i>ENeuro</i> , 2017, 4, ENEURO.0238-17.2017.	1.9	11
94	Muscular Arrangement and Muscle Attachment Sites in the Cervical Region of the American Barn Owl (<i>Tyto furcata pratincola</i>). <i>PLoS ONE</i> , 2015, 10, e0134272.	2.5	11
95	Neural correlates of binaural masking level difference in the inferior colliculus of the barn owl (<i>Tyto alba</i>). <i>European Journal of Neuroscience</i> , 2010, 32, 606-618.	2.6	10
96	The barn owl wing: an inspiration for silent flight in the aviation industry?. <i>Proceedings of SPIE</i> , 2011, , .	0.8	10
97	Development of ear asymmetry in the American barn owl (<i>Tyto furcata pratincola</i>). <i>Zoology</i> , 2018, 126, 82-88.	1.2	10
98	<i>Kocuria tytonicola</i> , new bacteria from the preen glands of American barn owls (<i>Tyto furcata</i>). <i>Systematic and Applied Microbiology</i> , 2019, 42, 198-204.	2.8	10
99	Distribution of auditory motion-direction sensitive neurons in the barn owl's midbrain. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2002, 188, 705-713.	1.6	9
100	A comparison of neural computations underlying stereo vision and sound localization. <i>Journal of Physiology (Paris)</i> , 2004, 98, 135-145.	2.1	9
101	Neuronal differentiation of the early embryonic auditory hindbrain of the chicken in primary culture. <i>European Journal of Neuroscience</i> , 2007, 25, 974-984.	2.6	9
102	Increase of Kv3.1b expression in avian auditory brainstem neurons correlates with synaptogenesis in vivo and in vitro. <i>Brain Research</i> , 2009, 1302, 64-75.	2.2	9
103	Responses to Pop-Out Stimuli in the Barn Owl's Optic Tectum Can Emerge through Stimulus-Specific Adaptation. <i>Journal of Neuroscience</i> , 2016, 36, 4876-4887.	3.6	8
104	Distribution of the characteristics of barbs and barbules on barn owl wing feathers. <i>Journal of Anatomy</i> , 2017, 230, 734-742.	1.5	8
105	Flow turning effect and laminar control by the 3D curvature of leading edge serrations from owl wing. <i>Bioinspiration and Biomimetics</i> , 2021, 16, 026010.	2.9	8
106	Precognitive and cognitive elements in sound localization. <i>Zoology</i> , 2002, 105, 329-339.	1.2	7
107	From biokinematics to a robotic active vision system. <i>Bioinspiration and Biomimetics</i> , 2017, 12, 056004.	2.9	7
108	Response adaptation in the barn owl's auditory space map. <i>Journal of Neurophysiology</i> , 2018, 119, 1235-1247.	1.8	7

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109	Influence of double stimulation on sound-localization behavior in barn owls. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2014, 200, 1033-1044.	1.6	6
110	Identification of auditory neurons by retrograde labelling for patch-clamp recordings in a mixed culture of chick brainstem. <i>Journal of Neuroscience Methods</i> , 2008, 169, 55-64.	2.5	4
111	Embryonic development of the Little Owl (<i>Athene noctua</i>) and Tengmalm's Owl (<i>Aegolius funereus</i>) compared to the American Barn Owl (<i>Tyto furcata</i>): reference data for staging. <i>Journal of Ornithology</i> , 2020, 161, 267-273.	1.1	4
112	Optocollic responses in adult barn owls (<i>Tyto furcata</i>). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2022, 208, 239-251.	1.6	4
113	Effect of Ecological Pressures on Brains: Examples from Avian Neuroethology and General Meanings. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1998, 53, 560-581.	1.4	3
114	EvoDevo in owl ear asymmetry – The little owl (<i>Athene noctua</i>). <i>Zoology</i> , 2019, 132, 1-5.	1.2	3
115	Sound localization in barn owls studied with manipulated head-related transfer functions: beyond broadband interaural time and level differences. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2020, 206, 477-498.	1.6	3
116	A Developmental Learning Rule for Coincidence Tuning in the Barn Owl Auditory System. , 1997, , 665-669.		3
117	The Role of Conduction Delay in Creating Sensitivity to Interaural Time Differences. <i>Advances in Experimental Medicine and Biology</i> , 2016, 894, 189-196.	1.6	3
118	Side peak suppression in responses of an across-frequency integration model to stimuli of varying bandwidth as demonstrated analytically and by implementation. <i>Journal of Computational Neuroscience</i> , 2014, 36, 1-17.	1.0	2
119	Cholinergic top-down influences on the auditory brainstem. <i>E-Neuroforum</i> , 2017, 23, .	0.1	2
120	Size discrimination in barn owls as compared to humans. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2018, 204, 305-318.	1.6	2
121	Personal View: The barn owl – a specialist for studying sensory systems. <i>Neuroforum</i> , 2019, 25, 213-219.	0.3	2
122	Integrity of and damage to wings, feather vanes and serrations in barn owls. <i>Zoology</i> , 2021, 147, 125930.	1.2	2
123	An interaural time difference map resulting from axonal selection through non-specific learning. <i>Neurocomputing</i> , 2001, 38-40, 1401-1407.	5.9	1
124	WHY ARE BARN OWLS A MODEL SYSTEM FOR SOUND LOCALIZATION?. <i>Journal of Experimental Biology</i> , 2010, 213, 2355-2356.	1.7	1
125	Evolutionary Conservation of Kv3.1 in the Barn Owl <i>Tyto alba</i> . <i>Brain, Behavior and Evolution</i> , 2013, 81, 187-193.	1.7	1
126	Envelope contributions to the representation of interaural time difference in the forebrain of barn owls. <i>Journal of Neurophysiology</i> , 2017, 118, 1871-1887.	1.8	1

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127	Expression patterns of chloride transporters in the auditory brainstem of developing chicken. <i>Hearing Research</i> , 2020, 393, 108013.	2.0	1
128	Ear asymmetry in Tengmalm's owl (<i>Aegolius funereus</i>): Two phases of asymmetrical development of the squamoso-occipital wing. <i>Zoology</i> , 2020, 141, 125814.	1.2	1
129	Silent Owl Wings. , 2016, , 3659-3669.		1
130	QUALITY OF COINCIDENCE DETECTION AND ITD TUNING: A THEORETICAL FRAMEWORK. , 1999, , 185-194.		1
131	Signal-to-noise ratio of the neurophonic potential in the laminar nucleus of the barn owl. <i>BMC Neuroscience</i> , 2009, 10, .	1.9	0
132	Using Virtual Acoustic Space to Investigate Sound Localisation. , 0, , .		0
133	Estimating characteristic phase and delay from broadband interaural time difference tuning curves. <i>Journal of Computational Neuroscience</i> , 2015, 38, 143-166.	1.0	0
134	NEURAL COMPUTATIONS IN BINAURAL HEARING. , 1999, , 169-178.		0
135	A brain for numbers. The biology of the number instinct.. <i>Neuroforum</i> , 2020, 26, 121-121.	0.3	0
136	Development of the horizontal optocollic reflex in juvenile barn owls (<i>Tyto furcata pratincola</i>). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 0, , .	1.6	0