

Douglas L Oliver

List of Publications by Year in descending order

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76
papers

5,482
citations

101384

36
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102304

66
g-index

77
all docs

77
docs citations

77
times ranked

1508
citing authors

#	ARTICLE	IF	CITATIONS
1	The neuronal architecture of the inferior colliculus in the cat: Defining the functional anatomy of the auditory midbrain. <i>Journal of Comparative Neurology</i> , 1984, 222, 209-236.	0.9	355
2	The central nucleus of the inferior colliculus in the cat. <i>Journal of Comparative Neurology</i> , 1984, 222, 237-264.	0.9	317
3	Connections of the dorsal nucleus of the lateral lemniscus: An inhibitory parallel pathway in the ascending auditory system?. <i>Journal of Comparative Neurology</i> , 1988, 276, 188-208.	0.9	212
4	A Monosynaptic GABAergic Input from the Inferior Colliculus to the Medial Geniculate Body in Rat. <i>Journal of Neuroscience</i> , 1997, 17, 3766-3777.	1.7	202
5	Morphology of GABAergic neurons in the inferior colliculus of the cat. <i>Journal of Comparative Neurology</i> , 1994, 340, 27-42.	0.9	189
6	Projections to the inferior colliculus from the anteroventral cochlear nucleus in the cat: Possible substrates for binaural interaction. <i>Journal of Comparative Neurology</i> , 1987, 264, 24-46.	0.9	184
7	Dorsal cochlear nucleus projections to the inferior colliculus in the cat: A light and electron microscopic study. <i>Journal of Comparative Neurology</i> , 1984, 224, 155-172.	0.9	182
8	Distinct K Currents Result in Physiologically Distinct Cell Types in the Inferior Colliculus of the Rat. <i>Journal of Neuroscience</i> , 2001, 21, 2861-2877.	1.7	173
9	GABAergic feedforward projections from the inferior colliculus to the medial geniculate body.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 8005-8010.	3.3	165
10	Dendritic and axonal morphology of HRP-injected neurons in the inferior colliculus of the cat. <i>Journal of Comparative Neurology</i> , 1991, 303, 75-100.	0.9	160
11	Intracellular Recordings in Response to Monaural and Binaural Stimulation of Neurons in the Inferior Colliculus of the Cat. <i>Journal of Neuroscience</i> , 1997, 17, 7565-7581.	1.7	152
12	A Discontinuous Tonotopic Organization in the Inferior Colliculus of the Rat. <i>Journal of Neuroscience</i> , 2008, 28, 4767-4776.	1.7	140
13	Acoustic environment determines phosphorylation state of the Kv3.1 potassium channel in auditory neurons. <i>Nature Neuroscience</i> , 2005, 8, 1335-1342.	7.1	127
14	Inferior and Superior Colliculi. <i>Springer Handbook of Auditory Research</i> , 1992, , 168-221.	0.3	124
15	Direct Projections from Cochlear Nuclear Complex to Auditory Thalamus in the Rat. <i>Journal of Neuroscience</i> , 2002, 22, 10891-10897.	1.7	123
16	The medial geniculate body of the tree shrew, <i>Tupaia glis</i> I. Cytoarchitecture and midbrain connections. <i>Journal of Comparative Neurology</i> , 1978, 182, 423-458.	0.9	117
17	Simultaneous anterograde labeling of axonal layers from lateral superior olive and dorsal cochlear nucleus in the inferior colliculus of cat. , 1997, 382, 215-229.		117
18	The cytoarchitecture of the inferior colliculus revisited: A common organization of the lateral cortex in rat and cat. <i>Neuroscience</i> , 2008, 154, 196-205.	1.1	115

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19	Identification of cell types in brain slices of the inferior colliculus. <i>Neuroscience</i> , 2000, 101, 403-416.	1.1	113
20	EM autoradiographic study of the projections from the dorsal nucleus of the lateral lemniscus: A possible source of inhibitory inputs to the inferior colliculus. <i>Journal of Comparative Neurology</i> , 1989, 286, 28-47.	0.9	109
21	Two Classes of GABAergic Neurons in the Inferior Colliculus. <i>Journal of Neuroscience</i> , 2009, 29, 13860-13869.	1.7	109
22	Expression of glutamate and inhibitory amino acid vesicular transporters in the rodent auditory brainstem. <i>Journal of Comparative Neurology</i> , 2011, 519, 316-340.	0.9	102
23	Neuron types in the central nucleus of the inferior colliculus that project to the medial geniculate body. <i>Neuroscience</i> , 1984, 11, 409-424.	1.1	96
24	Organization of binaural excitatory and inhibitory inputs to the inferior colliculus from the superior olive. <i>Journal of Comparative Neurology</i> , 2004, 472, 330-344.	0.9	96
25	Neuronal Organization in the Inferior Colliculus. , 2005, , 69-114.		95
26	The medial geniculate body of the tree shrew, <i>Tupaia glis</i> II. Connections with the neocortex. <i>Journal of Comparative Neurology</i> , 1978, 182, 459-493.	0.9	92
27	Axons from Anteroventral Cochlear Nucleus that Terminate in Medial Superior Olive of Cat: Observations Related to Delay Lines. <i>Journal of Neuroscience</i> , 1999, 19, 3146-3161.	1.7	91
28	Laminar inputs from dorsal cochlear nucleus and ventral cochlear nucleus to the central nucleus of the inferior colliculus: Two patterns of convergence. <i>Neuroscience</i> , 2005, 136, 883-894.	1.1	89
29	Axonal projections from the lateral and medial superior olive to the inferior colliculus of the cat: A study using electron microscopic autoradiography. <i>Journal of Comparative Neurology</i> , 1995, 360, 17-32.	0.9	88
30	Ascending efferent projections of the superior olivary complex. <i>Microscopy Research and Technique</i> , 2000, 51, 355-363.	1.2	85
31	Differential Patterns of Inputs Create Functional Zones in Central Nucleus of Inferior Colliculus. <i>Journal of Neuroscience</i> , 2010, 30, 13396-13408.	1.7	75
32	GABA _A Synapses Shape Neuronal Responses to Sound Intensity in the Inferior Colliculus. <i>Journal of Neuroscience</i> , 2004, 24, 5031-5043.	1.7	69
33	Origins of Glutamatergic Terminals in the Inferior Colliculus Identified by Retrograde Transport and Expression of VGLUT1 and VGLUT2 Genes. <i>Frontiers in Neuroanatomy</i> , 2010, 4, 135.	0.9	59
34	The basic circuit of the IC: tectothalamic neurons with different patterns of synaptic organization send different messages to the thalamus. <i>Frontiers in Neural Circuits</i> , 2012, 6, 48.	1.4	58
35	Quantitative analyses of axonal endings in the central nucleus of the inferior colliculus and distribution of ³ H-labeling after injections in the dorsal cochlear nucleus. <i>Journal of Comparative Neurology</i> , 1985, 237, 343-359.	0.9	57
36	Direct innervation of identified tectothalamic neurons in the inferior colliculus by axons from the cochlear nucleus. <i>Neuroscience</i> , 1999, 93, 643-658.	1.1	54

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37	Concurrent loss and proliferation of astrocytes following lateral fluid percussion brain injury in the adult rat. <i>Journal of Neuroscience Research</i> , 1999, 57, 271-279.	1.3	47
38	Identified GABAergic and Glutamatergic Neurons in the Mouse Inferior Colliculus Share Similar Response Properties. <i>Journal of Neuroscience</i> , 2017, 37, 8952-8964.	1.7	46
39	Persistent effects of early augmented acoustic environment on the auditory brainstem. <i>Neuroscience</i> , 2011, 184, 75-87.	1.1	44
40	Differences in the strength of cortical and brainstem inputs to SSA and non-SSA neurons in the inferior colliculus. <i>Scientific Reports</i> , 2015, 5, 10383.	1.6	41
41	Differential distribution of GABA and glycine terminals in the inferior colliculus of rat and mouse. <i>Journal of Comparative Neurology</i> , 2015, 523, 2683-2697.	0.9	37
42	Synaptic modification in neurons of the central nucleus of the inferior colliculus. <i>Hearing Research</i> , 2002, 168, 43-54.	0.9	36
43	Topography of Interaural Temporal Disparity Coding in Projections of Medial Superior Olive to Inferior Colliculus. <i>Journal of Neuroscience</i> , 2003, 23, 7438-7449.	1.7	35
44	Neuronal Responses to Lemniscal Stimulation in Laminar Brain Slices of the Inferior Colliculus. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2006, 7, 1-14.	0.9	35
45	Subdivisions of the medial geniculate body in the tree shrew (<i>Tupaia glis</i>). <i>Brain Research</i> , 1975, 86, 217-227.	1.1	31
46	Frequency-Specific Effects on Cochlear Responses During Activation of the Inferior Colliculus in the Guinea Pig. <i>Journal of Neurophysiology</i> , 2004, 91, 2185-2193.	0.9	30
47	Gene Expression Identifies Distinct Ascending Glutamatergic Pathways to Frequency-Organized Auditory Cortex in the Rat Brain. <i>Journal of Neuroscience</i> , 2012, 32, 15759-15768.	1.7	29
48	Local and commissural IC neurons make axosomatic inputs on large GABAergic tectothalamic neurons. <i>Journal of Comparative Neurology</i> , 2014, 522, 3539-3554.	0.9	29
49	Fine structure of GABA-labeled axonal endings in the inferior colliculus of the cat: Immunocytochemistry on deplasticized ultrathin sections. <i>Neuroscience</i> , 1992, 46, 455-463.	1.1	28
50	The Balance of Excitatory and Inhibitory Synaptic Inputs for Coding Sound Location. <i>Journal of Neuroscience</i> , 2014, 34, 3779-3792.	1.7	28
51	Functional organization of the local circuit in the inferior colliculus. <i>Anatomical Science International</i> , 2016, 91, 22-34.	0.5	28
52	Regulation of Kv channel expression and neuronal excitability in rat medial nucleus of the trapezoid body maintained in organotypic culture. <i>Journal of Physiology</i> , 2010, 588, 1451-1468.	1.3	26
53	Immunolocalization of vesicular glutamate transporters 1 and 2 in the rat inferior colliculus. <i>Neuroscience</i> , 2008, 154, 226-232.	1.1	23
54	A golgi study of the medial geniculate body in the tree shrew (<i>Tupaia glis</i>). <i>Journal of Comparative Neurology</i> , 1982, 209, 1-16.	0.9	21

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55	Convergence of lemniscal and local excitatory inputs on large GABAergic tectothalamic neurons. <i>Journal of Comparative Neurology</i> , 2015, 523, 2277-2296.	0.9	20
56	Visualization of neurons filled with biotinylated-Lucifer yellow following identification of efferent connectivity with retrograde transport. <i>Journal of Neuroscience Methods</i> , 1993, 46, 59-68.	1.3	19
57	Intravenously-injected gold nanoparticles (AuNPs) access intracerebral F98 rat gliomas better than AuNPs infused directly into the tumor site by convection enhanced delivery. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 3937-3948.	3.3	19
58	Connectivity of neurons in identified auditory circuits studied with transport of dextran and microspheres plus intracellular injection of Lucifer Yellow. <i>Journal of Neuroscience Methods</i> , 1994, 53, 23-27.	1.3	17
59	Asymmetric temporal interactions of sound-evoked excitatory and inhibitory inputs in the mouse auditory midbrain. <i>Journal of Physiology</i> , 2014, 592, 3647-3669.	1.3	15
60	Long-Lasting Sound-Evoked Afterdischarge in the Auditory Midbrain. <i>Scientific Reports</i> , 2016, 6, 20757.	1.6	15
61	Overview of Auditory Projection Pathways and Intrinsic Microcircuits. <i>Springer Handbook of Auditory Research</i> , 2018, , 7-39.	0.3	15
62	Transganglionic transport of D-aspartate from cochlear nucleus to cochlea a quantitative autoradiographic study. <i>Hearing Research</i> , 1984, 15, 197-213.	0.9	14
63	Mice heterozygous for the Cdh23/Ahl1 mutation show age-related deficits in auditory temporal processing. <i>Neurobiology of Aging</i> , 2019, 81, 47-57.	1.5	13
64	Granule cells in the cochlear nucleus sensitive to sound activation detected by Fos protein expression. <i>Neuroscience</i> , 2005, 136, 865-882.	1.1	10
65	Expression of GABAA receptor subunits in the rat central nucleus of the inferior colliculus. <i>Molecular Brain Research</i> , 2001, 96, 122-132.	2.5	8
66	Neuronal sensitivity to the interaural time difference of the sound envelope in the mouse inferior colliculus. <i>Hearing Research</i> , 2020, 385, 107844.	0.9	6
67	C1ql1 is expressed in adult outer hair cells of the cochlea in a tonotopic gradient. <i>PLoS ONE</i> , 2021, 16, e0251412.	1.1	6
68	Concurrent loss and proliferation of astrocytes following lateral fluid percussion brain injury in the adult rat. , 1999, 57, 271.		4
69	Midbrain. , 2002, , 43-68.		3
70	Introduction to Mammalian Auditory Pathways. <i>Springer Handbook of Auditory Research</i> , 2018, , 1-6.	0.3	2
71	Long-Duration Sound-Induced Facilitation Changes Population Activity in the Inferior Colliculus. <i>Frontiers in Systems Neuroscience</i> , 0, 16, .	1.2	2
72	Ascending efferent projections of the superior olivary complex. , 2000, 51, 355.		1

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73	Origins of glutamatergic terminals in the inferior colliculus identified by retrograde transport and expression of VGLUT1 and VGLUT2 genes. <i>Neuroscience Research</i> , 2010, 68, e275.	1.0	0
74	Auditory neuroanatomy: a sound foundation for sound processing. <i>Frontiers in Neuroanatomy</i> , 2012, 6, 48.	0.9	0
75	Class warfare resolved in the auditory midbrain. <i>Journal of Physiology</i> , 2013, 591, 3807-3808.	1.3	0
76	Anatomy of the Central Auditory Nervous System. , 0, , 1381-1388.		0