

Fernando R Nodal

List of Publications by Year in descending order

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43
papers

2,455
citations

236612

25
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276539

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docs citations

45
times ranked

1555
citing authors

#	ARTICLE	IF	CITATIONS
1	Physiological and Anatomical Evidence for Multisensory Interactions in Auditory Cortex. <i>Cerebral Cortex</i> , 2007, 17, 2172-2189.	1.6	317
2	The descending corticocollicular pathway mediates learning-induced auditory plasticity. <i>Nature Neuroscience</i> , 2010, 13, 253-260.	7.1	290
3	Functional Organization of Ferret Auditory Cortex. <i>Cerebral Cortex</i> , 2005, 15, 1637-1653.	1.6	189
4	Adaptation to Stimulus Statistics in the Perception and Neural Representation of Auditory Space. <i>Neuron</i> , 2010, 66, 937-948.	3.8	154
5	Training-Induced Plasticity of Auditory Localization in Adult Mammals. <i>PLoS Biology</i> , 2006, 4, e71.	2.6	145
6	The Ferret Auditory Cortex: Descending Projections to the Inferior Colliculus. <i>Cerebral Cortex</i> , 2006, 17, 475-491.	1.6	123
7	Auditory Cortex Represents Both Pitch Judgments and the Corresponding Acoustic Cues. <i>Current Biology</i> , 2013, 23, 620-625.	1.8	104
8	Physiological and behavioral studies of spatial coding in the auditory cortex. <i>Hearing Research</i> , 2007, 229, 106-115.	0.9	74
9	Large-Scale Organization of Ferret Auditory Cortex Revealed Using Continuous Acquisition of Intrinsic Optical Signals. <i>Journal of Neurophysiology</i> , 2004, 92, 2574-2588.	0.9	73
10	Do auditory responses recorded from awake animals reflect the anatomical parcellation of the auditory thalamus?. <i>Hearing Research</i> , 1999, 131, 135-152.	0.9	67
11	Lesions of the Auditory Cortex Impair Azimuthal Sound Localization and Its Recalibration in Ferrets. <i>Journal of Neurophysiology</i> , 2010, 103, 1209-1225.	0.9	61
12	Responses of Auditory Cortex to Complex Stimuli: Functional Organization Revealed Using Intrinsic Optical Signals. <i>Journal of Neurophysiology</i> , 2008, 99, 1928-1941.	0.9	60
13	Projections of cochlear root neurons, sentinels of the rat auditory pathway. , 1999, 415, 160-174.		59
14	Sound localization behavior in ferrets: Comparison of acoustic orientation and approach-to-target responses. <i>Neuroscience</i> , 2008, 154, 397-408.	1.1	56
15	Topographic organization of the dorsal nucleus of the lateral lemniscus in the cat. <i>Journal of Comparative Neurology</i> , 1999, 407, 349-366.	0.9	45
16	A Role for Auditory Corticothalamic Feedback in the Perception of Complex Sounds. <i>Journal of Neuroscience</i> , 2017, 37, 6149-6161.	1.7	44
17	Cortical Cholinergic Input Is Required for Normal Auditory Perception and Experience-Dependent Plasticity in Adult Ferrets. <i>Journal of Neuroscience</i> , 2013, 33, 6659-6671.	1.7	43
18	Functional Topography of Converging Visual and Auditory Inputs to Neurons in the Rat Superior Colliculus. <i>Journal of Neurophysiology</i> , 2004, 92, 2933-2946.	0.9	41

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19	The projection from auditory cortex to cochlear nucleus in guinea pigs: an in vivo anatomical and in vitro electrophysiological study. <i>Experimental Brain Research</i> , 2003, 153, 467-476.	0.7	39
20	Direct input from cochlear root neurons to pontine reticulospinal neurons in albino rat. <i>Journal of Comparative Neurology</i> , 2003, 460, 80-93.	0.9	38
21	Neural circuits underlying adaptation and learning in the perception of auditory space. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 2129-2139.	2.9	37
22	Plasticity of spatial hearing: behavioural effects of cortical inactivation. <i>Journal of Physiology</i> , 2012, 590, 3965-3986.	1.3	37
23	Interaural Timing Cues Do Not Contribute to the Map of Space in the Ferret Superior Colliculus: A Virtual Acoustic Space Study. <i>Journal of Neurophysiology</i> , 2006, 95, 242-254.	0.9	35
24	Behavioural sensitivity to binaural spatial cues in ferrets: evidence for plasticity in the duplex theory of sound localization. <i>European Journal of Neuroscience</i> , 2014, 39, 197-206.	1.2	28
25	Role of Auditory Cortex in Sound Localization in the Midsagittal Plane. <i>Journal of Neurophysiology</i> , 2007, 98, 1763-1774.	0.9	26
26	Virtual Adult Ears Reveal the Roles of Acoustical Factors and Experience in Auditory Space Map Development. <i>Journal of Neuroscience</i> , 2008, 28, 11557-11570.	1.7	26
27	The non-lemniscal auditory cortex in ferrets: convergence of corticotectal inputs in the superior colliculus. <i>Frontiers in Neuroanatomy</i> , 2010, 4, 18.	0.9	26
28	Cortico-cortical connectivity within ferret auditory cortex. <i>Journal of Comparative Neurology</i> , 2015, 523, 2187-2210.	0.9	26
29	Silencing cortical activity during sound-localization training impairs auditory perceptual learning. <i>Nature Communications</i> , 2019, 10, 3075.	5.8	26
30	Behavioral Sensitivity to Broadband Binaural Localization Cues in the Ferret. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2013, 14, 561-572.	0.9	25
31	Development of the projection from the nucleus of the brachium of the inferior colliculus to the superior colliculus in the ferret. <i>Journal of Comparative Neurology</i> , 2005, 485, 202-217.	0.9	22
32	Platelet-Activating Factor Mediates Pancreatic Function Derangement in Caerulein-Induced Pancreatitis in Rats. <i>Clinical Science</i> , 1994, 87, 85-90.	1.8	20
33	The cholinergic basal forebrain in the ferret and its inputs to the auditory cortex. <i>European Journal of Neuroscience</i> , 2014, 40, 2922-2940.	1.2	20
34	Behavioural benefits of multisensory processing in ferrets. <i>European Journal of Neuroscience</i> , 2017, 45, 278-289.	1.2	18
35	When and How Does the Auditory Cortex Influence Subcortical Auditory Structures? New Insights About the Roles of Descending Cortical Projections. <i>Frontiers in Neuroscience</i> , 2021, 15, 690223.	1.4	12
36	Cholinergic Pathways Are Involved in Secretin and VIP Release and the Exocrine Pancreatic Response After Intraduodenally Perfused Acetic and Lactic Acids in the Rat. <i>Pancreas</i> , 1995, 10, 93-99.	0.5	7

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37	Chronic detachable headphones for acoustic stimulation in freely moving animals. <i>Journal of Neuroscience Methods</i> , 2010, 189, 44-50.	1.3	7
38	Multisensory Processing in the Auditory Cortex. <i>Springer Handbook of Auditory Research</i> , 2019, , 105-133.	0.3	6
39	Effect of adenosine and adenosine agonists on amylase release from rat pancreatic lobules. <i>Life Sciences</i> , 1995, 57, PL253-PL258.	2.0	5
40	Mistuning detection performance of ferrets in a go/no-go task. <i>Journal of the Acoustical Society of America</i> , 2016, 139, EL246-EL251.	0.5	5
41	Tinnitus: at a crossroad between phantom perception and sleep. <i>Brain Communications</i> , 2022, 4, .	1.5	5
42	Auditory gap-in-noise detection behavior in ferrets and humans.. <i>Behavioral Neuroscience</i> , 2015, 129, 473-490.	0.6	4
43	Role of Primary Auditory Cortex in Acoustic Orientation and Approach-to-Target Responses. , 2010, , 581-593.		1