Fernando R Nodal

List of Publications by Year
in descending order

43 papers	2,455 citations	236925 25 h-index	276875 41 g-index
45 all docs	45 docs citations	45 times ranked	1555 citing authors

#	Article	IF	Citations
1	Physiological and Anatomical Evidence for Multisensory Interactions in Auditory Cortex. Cerebral Cortex, 2007, 17, 2172-2189.	2.9	317
2	The descending corticocollicular pathway mediates learning-induced auditory plasticity. Nature Neuroscience, 2010, 13, 253-260.	14.8	290
3	Functional Organization of Ferret Auditory Cortex. Cerebral Cortex, 2005, 15, 1637-1653.	2.9	189
4	Adaptation to Stimulus Statistics in the Perception and Neural Representation of Auditory Space. Neuron, 2010, 66, 937-948.	8.1	154
5	Training-Induced Plasticity of Auditory Localization in Adult Mammals. PLoS Biology, 2006, 4, e71.	5.6	145
6	The Ferret Auditory Cortex: Descending Projections to the Inferior Colliculus. Cerebral Cortex, 2006, 17, 475-491.	2.9	123
7	Auditory Cortex Represents Both Pitch Judgments and the Corresponding Acoustic Cues. Current Biology, 2013, 23, 620-625.	3.9	104
8	Physiological and behavioral studies of spatial coding in the auditory cortex. Hearing Research, 2007, 229, 106-115.	2.0	74
9	Large-Scale Organization of Ferret Auditory Cortex Revealed Using Continuous Acquisition of Intrinsic Optical Signals. Journal of Neurophysiology, 2004, 92, 2574-2588.	1.8	73
10	Do auditory responses recorded from awake animals reflect the anatomical parcellation of the auditory thalamus?. Hearing Research, 1999, 131, 135-152.	2.0	67
11	Lesions of the Auditory Cortex Impair Azimuthal Sound Localization and Its Recalibration in Ferrets. Journal of Neurophysiology, 2010, 103, 1209-1225.	1.8	61
12	Responses of Auditory Cortex to Complex Stimuli: Functional Organization Revealed Using Intrinsic Optical Signals. Journal of Neurophysiology, 2008, 99, 1928-1941.	1.8	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. Neuroscience, 2008, 154, 397-408.	2.3	56
15	Topographic organization of the dorsal nucleus of the lateral lemniscus in the cat. Journal of Comparative Neurology, 1999, 407, 349-366.	1.6	45
16	A Role for Auditory Corticothalamic Feedback in the Perception of Complex Sounds. Journal of Neuroscience, 2017, 37, 6149-6161.	3.6	44
17	Cortical Cholinergic Input Is Required for Normal Auditory Perception and Experience-Dependent Plasticity in Adult Ferrets. Journal of Neuroscience, 2013, 33, 6659-6671.	3.6	43
18	Functional Topography of Converging Visual and Auditory Inputs to Neurons in the Rat Superior Colliculus. Journal of Neurophysiology, 2004, 92, 2933-2946.	1.8	41

#	Article	IF	Citations
19	The projection from auditory cortex to cochlear nucleus in guinea pigs: an in vivo anatomical and in vitro electrophysiological study. Experimental Brain Research, 2003, 153, 467-476.	1.5	39
20	Direct input from cochlear root neurons to pontine reticulospinal neurons in albino rat. Journal of Comparative Neurology, 2003, 460, 80-93.	1.6	38
21	Neural circuits underlying adaptation and learning in the perception of auditory space. Neuroscience and Biobehavioral Reviews, 2011, 35, 2129-2139.	6.1	37
22	Plasticity of spatial hearing: behavioural effects of cortical inactivation. Journal of Physiology, 2012, 590, 3965-3986.	2.9	37
23	Interaural Timing Cues Do Not Contribute to the Map of Space in the Ferret Superior Colliculus: A Virtual Acoustic Space Study. Journal of Neurophysiology, 2006, 95, 242-254.	1.8	35
24	Behavioural sensitivity to binaural spatial cues in ferrets: evidence for plasticity in the duplex theory of sound localization. European Journal of Neuroscience, 2014, 39, 197-206.	2.6	28
25	Role of Auditory Cortex in Sound Localization in the Midsagittal Plane. Journal of Neurophysiology, 2007, 98, 1763-1774.	1.8	26
26	Virtual Adult Ears Reveal the Roles of Acoustical Factors and Experience in Auditory Space Map Development. Journal of Neuroscience, 2008, 28, 11557-11570.	3.6	26
27	The non-lemniscal auditory cortex in ferrets: convergence of corticotectal inputs in the superior colliculus. Frontiers in Neuroanatomy, 2010, 4, 18.	1.7	26
28	Corticoâ€cortical connectivity within ferret auditory cortex. Journal of Comparative Neurology, 2015, 523, 2187-2210.	1.6	26
29	Silencing cortical activity during sound-localization training impairs auditory perceptual learning. Nature Communications, 2019, 10, 3075.	12.8	26
30	Behavioral Sensitivity to Broadband Binaural Localization Cues in the Ferret. JARO - Journal of the Association for Research in Otolaryngology, 2013, 14, 561-572.	1.8	25
31	Development of the projection from the nucleus of the brachium of the inferior colliculus to the superior colliculus in the ferret. Journal of Comparative Neurology, 2005, 485, 202-217.	1.6	22
32	Platelet-Activating Factor Mediates Pancreatic Function Derangement in Caerulein-Induced Pancreatitis in Rats. Clinical Science, 1994, 87, 85-90.	4.3	20
33	The cholinergic basal forebrain in the ferret and its inputs to the auditory cortex. European Journal of Neuroscience, 2014, 40, 2922-2940.	2.6	20
34	Behavioural benefits of multisensory processing in ferrets. European Journal of Neuroscience, 2017, 45, 278-289.	2.6	18
35	When and How Does the Auditory Cortex Influence Subcortical Auditory Structures? New Insights About the Roles of Descending Cortical Projections. Frontiers in Neuroscience, 2021, 15, 690223.	2.8	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. Pancreas, 1995, 10, 93-99.	1.1	7

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37	Chronic detachable headphones for acoustic stimulation in freely moving animals. Journal of Neuroscience Methods, 2010, 189, 44-50.	2.5	7
38	Multisensory Processing in the Auditory Cortex. Springer Handbook of Auditory Research, 2019, , 105-133.	0.7	6
39	Effect of adenosine and adenosine agonists on amylase release from rat pancreatic lobules. Life Sciences, 1995, 57, PL253-PL258.	4.3	5
40	Mistuning detection performance of ferrets in a go/no-go task. Journal of the Acoustical Society of America, 2016, 139, EL246-EL251.	1.1	5
41	Tinnitus: at a crossroad between phantom perception and sleep. Brain Communications, 2022, 4, .	3.3	5
42	Auditory gap-in-noise detection behavior in ferrets and humans.. Behavioral Neuroscience, 2015, 129, 473-490.	1.2	4
43	Role of Primary Auditory Cortex in Acoustic Orientation and Approach-to-Target Responses. , 2010, , 581-593.		1