Mark N Wallace

List of Publications by Year
in descending order

33 papers	1,240 citations	430874 18 h-index	414414 32 g-index
33 all docs	33 docs citations	33 times ranked	893 citing authors

#	Article	IF	Citations
1	Identification and localisation of auditory areas in guinea pig cortex. Experimental Brain Research, 2000, 132, 445-456.	1.5	167
2	Histochemical identification of cortical areas in the auditory region of the human brain. Experimental Brain Research, 2002, 143, 499-508.	1.5	158
3	Phase-Locked Responses to Pure Tones in the Inferior Colliculus. Journal of Neurophysiology, 2006, 95, 1926-1935.	1.8	107
4	Neural changes accompanying tinnitus following unilateral acoustic trauma in the guinea pig. European Journal of Neuroscience, 2014, 40, 2427-2441.	2.6	75
5	Onset Neurones in the Anteroventral Cochlear Nucleus Project to the Dorsal Cochlear Nucleus. JARO - Journal of the Association for Research in Otolaryngology, 2004, 5, 153-70.	1.8	70
6	A novel behavioural approach to detecting tinnitus in the guinea pig. Journal of Neuroscience Methods, 2013, 213, 188-195.	2.5	59
7	Organisation of binaural interactions in the primary and dorsocaudal fields of the guinea pig auditory cortex. Hearing Research, 2000, 145, 177-189.	2.0	51
8	Phase-locked responses to pure tones in the primary auditory cortex. Hearing Research, 2002, 172, 160-171.	2.0	50
9	Processing of Communication Calls in Guinea Pig Auditory Cortex. PLoS ONE, 2012, 7, e51646.	2.5	50
10	Spectrotemporal Receptive Field Properties of Single Units in the Primary, Dorsocaudal and Ventrorostral Auditory Cortex of the Guinea Pig. Audiology and Neuro-Otology, 2002, 7, 214-227.	1.3	41
11	Representation of the purr call in the guinea pig primary auditory cortex. Hearing Research, 2005, 204, 115-126.	2.0	37
12	Morphological and Physiological Characteristics of Laminar Cells in the Central Nucleus of the Inferior Colliculus. Frontiers in Neural Circuits, 2012, 6, 55.	2.8	36
13	Phase-locked responses to pure tones in guinea pig auditory cortex. NeuroReport, 2000, 11, 3989-3993.	1.2	35
14	Interconnections of auditory areas in the guinea pig neocortex. Experimental Brain Research, 2002, 143, 106-119.	1.5	34
15	Phase-Locked Responses to Pure Tones in the Auditory Thalamus. Journal of Neurophysiology, 2007, 98, 1941-1952.	1.8	34
16	Cortical Inactivation by Cooling in Small Animals. Frontiers in Systems Neuroscience, 2011, 5, 53.	2.5	32
17	Patchy intrinsic connections of the ferret primary auditory cortex. NeuroReport, 1991, 2, 417-420.	1.2	25
18	Histological Basis of Laminar MRI Patterns in High Resolution Images of Fixed Human Auditory Cortex. Frontiers in Neuroscience, 2016, 10, 455.	2.8	21

#	Article	IF	Citations
19	Effects of the cannabinoid CB 1 agonist ACEA on salicylate ototoxicity, hyperacusis and tinnitus in guinea pigs. Hearing Research, 2017, 356, 51-62.	2.0	21
20	Changes in the Response Properties of Inferior Colliculus Neurons Relating to Tinnitus. Frontiers in Neurology, 2014, 5, 203.	2.4	19
21	A ventrorostral belt is adjacent to the guinea pig primary auditory cortex. NeuroReport, 1999, 10, 2095-2099.	1.2	18
22	Gap-induced reductions of evoked potentials in the auditory cortex: A possible objective marker for the presence of tinnitus in animals. Brain Research, 2018, 1679, 101-108.	2.2	13
23	NADPH diaphorase activity in activated astrocytes representing inducible nitric oxide synthase. Methods in Enzymology, 1996, 268, 497-503.	1.0	11
24	Reductions in cortical alpha activity, enhancements in neural responses and impaired gap detection caused by sodium salicylate in awake guinea pigs. European Journal of Neuroscience, 2017, 45, 398-409.	2.6	11
25	Communication calls produced by electrical stimulation of four structures in the guinea pig brain. PLoS ONE, 2018, 13, e0194091.	2.5	10
26	Gap-induced inhibition of the post-auricular muscle response in humans and guinea pigs. Hearing Research, 2019, 374, 13-23.	2.0	10
27	Responses to the purr call in three areas of the guinea pig auditory cortex. NeuroReport, 2005, 16, 2001-2005.	1.2	9
28	Nitric oxide regulates the firing rate of neuronal subtypes in the guinea pig ventral cochlear nucleus. European Journal of Neuroscience, 2020, 51, 963-983.	2.6	9
29	Nitric oxide increases gain in the ventral cochlear nucleus of guinea pigs with tinnitus. European Journal of Neuroscience, 2020, 52, 4057-4080.	2.6	7
30	Intrinsic Connections of the Auditory Cortex. , 2011, , 133-145.		7
31	Representation of individual elements of a complex call sequence in primary auditory cortex. Frontiers in Systems Neuroscience, 2013, 7, 72.	2.5	5
32	Salicylate decreases the spontaneous firing rate of guinea pig auditory nerve fibres. Neuroscience Letters, 2021, 747, 135705.	2.1	4
33	Juxtacellular Labeling of Stellate, Disk and Basket Neurons in the Central Nucleus of the Guinea Pig Inferior Colliculus. Frontiers in Neural Circuits, 2021, 15, 721015.	2.8	4