

David PÃ©rez-GonzÃ¡lez

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,458
citations

567281

15
h-index

677142

22
g-index

39
all docs

39
docs citations

39
times ranked

934
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulus-Specific Adaptation in the Inferior Colliculus of the Anesthetized Rat. <i>Journal of Neuroscience</i> , 2009, 29, 5483-5493.	3.6	320
2	Novelty detector neurons in the mammalian auditory midbrain. <i>European Journal of Neuroscience</i> , 2005, 22, 2879-2885.	2.6	214
3	A Discontinuous Tonotopic Organization in the Inferior Colliculus of the Rat. <i>Journal of Neuroscience</i> , 2008, 28, 4767-4776.	3.6	140
4	Adaptation in the auditory system: an overview. <i>Frontiers in Integrative Neuroscience</i> , 2014, 8, 19.	2.1	135
5	Duration Selective Neurons in the Inferior Colliculus of the Rat: Topographic Distribution and Relation of Duration Sensitivity to Other Response Properties. <i>Journal of Neurophysiology</i> , 2006, 95, 823-836.	1.8	89
6	Topographic Distribution, Frequency, and Intensity Dependence of Stimulus-Specific Adaptation in the Inferior Colliculus of the Rat. <i>Journal of Neuroscience</i> , 2012, 32, 17762-17774.	3.6	88
7	GABAA-Mediated Inhibition Modulates Stimulus-Specific Adaptation in the Inferior Colliculus. <i>PLoS ONE</i> , 2012, 7, e34297.	2.5	81
8	The inferior colliculus of the rat: A quantitative analysis of monaural frequency response areas. <i>Neuroscience</i> , 2005, 132, 203-217.	2.3	70
9	Frequency discrimination and stimulus deviance in the inferior colliculus and cochlear nucleus. <i>Frontiers in Neural Circuits</i> , 2012, 6, 119.	2.8	62
10	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. <i>PLoS Biology</i> , 2020, 18, e3001019.	5.6	49
11	Stimulus-specific adaptation in the inferior colliculus: The role of excitatory, inhibitory and modulatory inputs. <i>Biological Psychology</i> , 2016, 116, 10-22.	2.2	48
12	Variability of the time course of stimulus-specific adaptation in the inferior colliculus. <i>Frontiers in Neural Circuits</i> , 2012, 6, 107.	2.8	36
13	Dopamine modulates subcortical responses to surprising sounds. <i>PLoS Biology</i> , 2020, 18, e3000744.	5.6	28
14	A biologically inspired spiking neural network model of the auditory midbrain for sound source localisation. <i>Neurocomputing</i> , 2010, 74, 129-139.	5.9	22
15	Pattern-sensitive neurons reveal encoding of complex auditory regularities in the rat inferior colliculus. <i>NeuroImage</i> , 2019, 184, 889-900.	4.2	18
16	Extracellular Recording of Neuronal Activity Combined with Microiontophoretic Application of Neuroactive Substances in Awake Mice. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	13
17	Deviance detection in physiologically identified cell types in the rat auditory cortex. <i>Hearing Research</i> , 2021, 399, 107997.	2.0	13
18	Reversible Functional Changes Evoked by Anodal Epidural Direct Current Electrical Stimulation of the Rat Auditory Cortex. <i>Frontiers in Neuroscience</i> , 2019, 13, 356.	2.8	9

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19	Alzheimer's Disease, Hearing Loss, and Deviance Detection. <i>Frontiers in Neuroscience</i> , 2022, 16, .	2.8	7
20	Multiple Sound Source Localisation in Reverberant Environments Inspired by the Auditory Midbrain. <i>Lecture Notes in Computer Science</i> , 2009, , 208-217.	1.3	3
21	Effects of Multisession Anodal Electrical Stimulation of the Auditory Cortex on Temporary Noise-Induced Hearing Loss in the Rat. <i>Frontiers in Neuroscience</i> , 2021, 15, 642047.	2.8	2
22	A biomimetic spiking neural network of the auditory midbrain for mobile robot sound localisation in reverberant environments. , 2009, , .		1
23	Modeling Neurons of the Inferior Colliculus. , 2008, , 59-62.		0
24	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
25	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
26	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
27	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
28	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
29	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
30	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0
31	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0
32	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0
33	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0
34	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0
35	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0