David PÃ©rez-GonzÃ¡lez

List of Publications by Year
in descending order

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	Alzheimerâ€™s Disease, Hearing Loss, and Deviance Detection. Frontiers in Neuroscience, 2022, 16, .	2.8	7
2	Deviance detection in physiologically identified cell types in the rat auditory cortex. Hearing Research, 2021, 399, 107997.	2.0	13
3	Effects of Multisession Anodal Electrical Stimulation of the Auditory Cortex on Temporary Noise-Induced Hearing Loss in the Rat. Frontiers in Neuroscience, 2021, 15, 642047.	2.8	2
4	Dopamine modulates subcortical responses to surprising sounds. PLoS Biology, 2020, 18, e3000744.	5.6	28
5	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. PLoS Biology, 2020, 18, e3001019.	5.6	49
6	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
7	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
8	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
9	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
10	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
11	Dopamine modulates subcortical responses to surprising sounds. , 2020, 18, e3000744.		0
12	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0
13	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0
14	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0
15	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0
16	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0
17	Prediction error signaling explains neuronal mismatch responses in the medial prefrontal cortex. , 2020, 18, e3001019.		0
18	Reversible Functional Changes Evoked by Anodal Epidural Direct Current Electrical Stimulation of the Rat Auditory Cortex. Frontiers in Neuroscience, 2019, 13, 356.	2.8	9

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19	Pattern-sensitive neurons reveal encoding of complex auditory regularities in the rat inferior colliculus. NeuroImage, 2019, 184, 889-900.	4.2	18
20	Extracellular Recording of Neuronal Activity Combined with Microiontophoretic Application of Neuroactive Substances in Awake Mice. Journal of Visualized Experiments, 2016, , .	0.3	13
21	Stimulus-specific adaptation in the inferior colliculus: The role of excitatory, inhibitory and modulatory inputs. Biological Psychology, 2016, 116, 10-22.	2.2	48
22	Adaptation in the auditory system: an overview. Frontiers in Integrative Neuroscience, 2014, 8, 19.	2.1	135
23	Topographic Distribution, Frequency, and Intensity Dependence of Stimulus-Specific Adaptation in the Inferior Colliculus of the Rat. Journal of Neuroscience, 2012, 32, 17762-17774.	3.6	88
24	Variability of the time course of stimulus-specific adaptation in the inferior colliculus. Frontiers in Neural Circuits, 2012, 6, 107.	2.8	36
25	Frequency discrimination and stimulus deviance in the inferior colliculus and cochlear nucleus. Frontiers in Neural Circuits, 2012, 6, 119.	2.8	62
26	GABAA-Mediated Inhibition Modulates Stimulus-Specific Adaptation in the Inferior Colliculus. PLoS ONE, 2012, 7, e34297.	2.5	81
27	A biologically inspired spiking neural network model of the auditory midbrain for sound source localisation. Neurocomputing, 2010, 74, 129-139.	5.9	22
28	Stimulus-Specific Adaptation in the Inferior Colliculus of the Anesthetized Rat. Journal of Neuroscience, 2009, 29, 5483-5493.	3.6	320
29	A biomimetic spiking neural network of the auditory midbrain for mobile robot sound localisation in reverberant environments. , 2009, , .		1
30	Multiple Sound Source Localisation in Reverberant Environments Inspired by the Auditory Midbrain. Lecture Notes in Computer Science, 2009, , 208-217.	1.3	3
31	A Discontinuous Tonotopic Organization in the Inferior Colliculus of the Rat. Journal of Neuroscience, 2008, 28, 4767-4776.	3.6	140
32	Modeling Neurons of the Inferior Colliculus. , 2008, , 59-62.		0
33	Duration Selective Neurons in the Inferior Colliculus of the Rat: Topographic Distribution and Relation of Duration Sensitivity to Other Response Properties. Journal of Neurophysiology, 2006, 95, 823-836.	1.8	89
34	Novelty detector neurons in the mammalian auditory midbrain. European Journal of Neuroscience, 2005, 22, 2879-2885.	2.6	214
35	The inferior colliculus of the rat: A quantitative analysis of monaural frequency response areas. Neuroscience, 2005, 132, 203-217.	2.3	70