

Victor de Lafuente

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,858
citations

361413

20
h-index

361022

35
g-index

45
all docs

45
docs citations

45
times ranked

2125
citing authors

#	ARTICLE	IF	CITATIONS
1	Purkinje Cells are Key for Rhythmic Predictions in the Cerebellum. <i>Neuroscience</i> , 2022, 482, 159-160.	2.3	0
2	Memory Consolidation during Sleep Might be Regulated by the Locus Coeruleus. <i>Neuroscience</i> , 2021, 453, 266-267.	2.3	1
3	Discrimination of Regular and Irregular Rhythms Explained by a Time Difference Accumulation Model. <i>Neuroscience</i> , 2021, 459, 16-26.	2.3	9
4	Integrating Somatosensory Information Over Time. <i>Neuroscience</i> , 2020, 433, 72-80.	2.3	5
5	Regaining the senses of touch and movement. <i>ELife</i> , 2018, 7, .	6.0	55
6	Entrainment and maintenance of an internal metronome in supplementary motor area. <i>ELife</i> , 2018, 7, .	6.0	38
7	Sucrose intensity coding and decision-making in rat gustatory cortices. <i>ELife</i> , 2018, 7, .	6.0	42
8	Tactile object categories can be decoded from the parietal and lateral-occipital cortices. <i>Neuroscience</i> , 2017, 352, 226-235.	2.3	14
9	Dopamine reward prediction error signal codes the temporal evaluation of a perceptual decision report. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10494-E10503.	7.1	29
10	Monkeys Share the Human Ability to Internally Maintain a Temporal Rhythm. <i>Frontiers in Psychology</i> , 2016, 7, 1971.	2.1	58
11	Comment on "Single-trial spike trains in parietal cortex reveal discrete steps during decision-making". <i>Science</i> , 2016, 351, 1406-1406.	12.6	26
12	The Müller-Lyer illusion as seen by an artificial neural network. <i>Frontiers in Computational Neuroscience</i> , 2015, 9, 21.	2.1	2
13	Representation of Accumulating Evidence for a Decision in Two Parietal Areas. <i>Journal of Neuroscience</i> , 2015, 35, 4306-4318.	3.6	150
14	Dynamic Control of Response Criterion in Premotor Cortex during Perceptual Detection under Temporal Uncertainty. <i>Neuron</i> , 2015, 86, 1067-1077.	8.1	118
15	The parietal cortices participate in encoding, short-term memory, and decision-making related to tactile shape. <i>Journal of Neurophysiology</i> , 2014, 112, 1894-1902.	1.8	10
16	How Confident Do You Feel?. <i>Neuron</i> , 2014, 83, 751-753.	8.1	1
17	Neural dynamics of perceptual detection under temporal uncertainty. <i>BMC Neuroscience</i> , 2014, 15, .	1.9	0
18	The dopamine signal in decision-making tasks with stimulus and timing uncertainty. <i>BMC Neuroscience</i> , 2014, 15, .	1.9	0

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19	Introduction to the Neurobiology of Interval Timing. <i>Advances in Experimental Medicine and Biology</i> , 2014, 829, 1-13.	1.6	55
20	The role of neural correlations in a decision-making task. <i>BMC Neuroscience</i> , 2013, 14, .	1.9	1
21	An Optimal Decision Population Code that Accounts for Correlated Variability Unambiguously Predicts a Subject's Choice. <i>Neuron</i> , 2013, 80, 1532-1543.	8.1	17
22	Conversion of sensory signals into perceptual decisions. <i>Progress in Neurobiology</i> , 2013, 103, 41-75.	5.7	149
23	Internal signal correlates neural populations and biases perceptual decision reports. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 18938-18943.	7.1	34
24	Sense, memory, and decision-making in the somatosensory cortical network. <i>Current Opinion in Neurobiology</i> , 2012, 22, 914-919.	4.2	51
25	Dopaminergic activity coincides with stimulus detection by the frontal lobe. <i>Neuroscience</i> , 2012, 218, 181-184.	2.3	18
26	Functional impact of interneuronal inhibition in the cerebral cortex of behaving animals. <i>Progress in Neurobiology</i> , 2012, 99, 163-178.	5.7	53
27	Flexible Decisions and Chess Expertise. <i>Frontiers in Neuroscience</i> , 2011, 5, 4.	2.8	2
28	Dopamine neurons code subjective sensory experience and uncertainty of perceptual decisions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19767-19771.	7.1	100
29	Perceptual detection as a dynamical bistability phenomenon: A neurocomputational correlate of sensation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20073-20077.	7.1	36
30	Biomimetic Brain Machine Interfaces for the Control of Movement. <i>Journal of Neuroscience</i> , 2007, 27, 11842-11846.	3.6	67
31	Neural correlate of subjective sensory experience gradually builds up across cortical areas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 14266-14271.	7.1	245
32	Decoding the temporal evolution of a simple perceptual act. <i>Novartis Foundation Symposium</i> , 2006, 270, 170-86; discussion 186-90, 232-7.	1.1	4
33	Neuronal correlates of subjective sensory experience. <i>Nature Neuroscience</i> , 2005, 8, 1698-1703.	14.8	335
34	The orientation dependence of the Hermann grid illusion. <i>Experimental Brain Research</i> , 2004, 154, 255-260.	1.5	15
35	Language Abilities of Motor Cortex. <i>Neuron</i> , 2004, 41, 178-180.	8.1	51
36	Decisions arising from opposing views. <i>Nature Neuroscience</i> , 2003, 6, 792-793.	14.8	7

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37	A Hidden Sensory Function for Motor Cortex. Neuron, 2002, 36, 785-786.	8.1	8
38	From sensation to action. Behavioural Brain Research, 2002, 135, 105-118.	2.2	36
39	Decoding the Temporal Evolution of a Simple Perceptual Act. Novartis Foundation Symposium, 0, , 170-190.	1.1	7