

# 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	Neuronal correlates of subjective sensory experience. <i>Nature Neuroscience</i> , 2005, 8, 1698-1703.	14.8	335
2	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
3	Representation of Accumulating Evidence for a Decision in Two Parietal Areas. <i>Journal of Neuroscience</i> , 2015, 35, 4306-4318.	3.6	150
4	Conversion of sensory signals into perceptual decisions. <i>Progress in Neurobiology</i> , 2013, 103, 41-75.	5.7	149
5	Dynamic Control of Response Criterion in Premotor Cortex during Perceptual Detection under Temporal Uncertainty. <i>Neuron</i> , 2015, 86, 1067-1077.	8.1	118
6	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
7	Biomimetic Brain Machine Interfaces for the Control of Movement. <i>Journal of Neuroscience</i> , 2007, 27, 11842-11846.	3.6	67
8	Monkeys Share the Human Ability to Internally Maintain a Temporal Rhythm. <i>Frontiers in Psychology</i> , 2016, 7, 1971.	2.1	58
9	Regaining the senses of touch and movement. <i>ELife</i> , 2018, 7, .	6.0	55
10	Introduction to the Neurobiology of Interval Timing. <i>Advances in Experimental Medicine and Biology</i> , 2014, 829, 1-13.	1.6	55
11	Functional impact of interneuronal inhibition in the cerebral cortex of behaving animals. <i>Progress in Neurobiology</i> , 2012, 99, 163-178.	5.7	53
12	Language Abilities of Motor Cortex. <i>Neuron</i> , 2004, 41, 178-180.	8.1	51
13	Sense, memory, and decision-making in the somatosensory cortical network. <i>Current Opinion in Neurobiology</i> , 2012, 22, 914-919.	4.2	51
14	Sucrose intensity coding and decision-making in rat gustatory cortices. <i>ELife</i> , 2018, 7, .	6.0	42
15	Entrainment and maintenance of an internal metronome in supplementary motor area. <i>ELife</i> , 2018, 7, .	6.0	38
16	From sensation to action. <i>Behavioural Brain Research</i> , 2002, 135, 105-118.	2.2	36
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Dopamine reward prediction error signal codes the temporal evaluation of a perceptual decision report. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10494-E10503.	7.1	29
20	Comment on "Single-trial spike trains in parietal cortex reveal discrete steps during decision-making". Science, 2016, 351, 1406-1406.	12.6	26
21	Dopaminergic activity coincides with stimulus detection by the frontal lobe. Neuroscience, 2012, 218, 181-184.	2.3	18
22	An Optimal Decision Population Code that Accounts for Correlated Variability Unambiguously Predicts a Subject's Choice. Neuron, 2013, 80, 1532-1543.	8.1	17
23	The orientation dependence of the Hermann grid illusion. Experimental Brain Research, 2004, 154, 255-260.	1.5	15
24	Tactile object categories can be decoded from the parietal and lateral-occipital cortices. Neuroscience, 2017, 352, 226-235.	2.3	14
25	The parietal cortices participate in encoding, short-term memory, and decision-making related to tactile shape. Journal of Neurophysiology, 2014, 112, 1894-1902.	1.8	10
26	Discrimination of Regular and Irregular Rhythms Explained by a Time Difference Accumulation Model. Neuroscience, 2021, 459, 16-26.	2.3	9
27	A Hidden Sensory Function for Motor Cortex. Neuron, 2002, 36, 785-786.	8.1	8
28	Decisions arising from opposing views. Nature Neuroscience, 2003, 6, 792-793.	14.8	7
29	Decoding the Temporal Evolution of a Simple Perceptual Act. Novartis Foundation Symposium, 0, , 170-190.	1.1	7
30	Integrating Somatosensory Information Over Time. Neuroscience, 2020, 433, 72-80.	2.3	5
31	Decoding the temporal evolution of a simple perceptual act. Novartis Foundation Symposium, 2006, 270, 170-86; discussion 186-90, 232-7.	1.1	4
32	Flexible Decisions and Chess Expertise. Frontiers in Neuroscience, 2011, 5, 4.	2.8	2
33	The Müller-Lyer illusion as seen by an artificial neural network. Frontiers in Computational Neuroscience, 2015, 9, 21.	2.1	2
34	The role of neural correlations in a decision-making task. BMC Neuroscience, 2013, 14, .	1.9	1
35	How Confident Do You Feel?. Neuron, 2014, 83, 751-753.	8.1	1
36	Memory Consolidation during Sleep Might be Regulated by the Locus Coeruleus. Neuroscience, 2021, 453, 266-267.	2.3	1

#	ARTICLE	IF	CITATIONS
37	Neural dynamics of perceptual detection under temporal uncertainty. BMC Neuroscience, 2014, 15, .	1.9	0
38	The dopamine signal in decision-making tasks with stimulus and timing uncertainty. BMC Neuroscience, 2014, 15, .	1.9	0
39	Purkinje Cells are Key for Rhythmic Predictions in the Cerebellum. Neuroscience, 2022, 482, 159-160.	2.3	0