

# Ramon Bartolo

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,264  
citations

430442

18  
h-index

642321

23  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1086  
citing authors

#	ARTICLE	IF	CITATIONS
1	Differential coding of goals and actions in ventral and dorsal corticostriatal circuits during goal-directed behavior. <i>Cell Reports</i> , 2022, 38, 110198.	2.9	12
2	Inference as a fundamental process in behavior. <i>Current Opinion in Behavioral Sciences</i> , 2021, 38, 8-13.	2.0	11
3	Reward-related choices determine information timing and flow across macaque lateral prefrontal cortex. <i>Nature Communications</i> , 2021, 12, 894.	5.8	13
4	A convolutional neural network for estimating synaptic connectivity from spike trains. <i>Scientific Reports</i> , 2021, 11, 12087.	1.6	7
5	Information-Limiting Correlations in Large Neural Populations. <i>Journal of Neuroscience</i> , 2020, 40, 1668-1678.	1.7	62
6	Dimensionality, information and learning in prefrontal cortex. <i>PLoS Computational Biology</i> , 2020, 16, e1007514.	1.5	29
7	Prefrontal Cortex Predicts State Switches during Reversal Learning. <i>Neuron</i> , 2020, 106, 1044-1054.e4.	3.8	78
8	Dimensionality, information and learning in prefrontal cortex. , 2020, 16, e1007514.		0
9	Dimensionality, information and learning in prefrontal cortex. , 2020, 16, e1007514.		0
10	Dimensionality, information and learning in prefrontal cortex. , 2020, 16, e1007514.		0
11	Dimensionality, information and learning in prefrontal cortex. , 2020, 16, e1007514.		0
12	Primate beta oscillations and rhythmic behaviors. <i>Journal of Neural Transmission</i> , 2018, 125, 461-470.	1.4	34
13	Neurons of the prefrontal cortex encode a representation of a Bayesian belief during reinforcement learning. , 2018, , .		0
14	Effects of Ventral Striatum Lesions on Stimulus-Based versus Action-Based Reinforcement Learning. <i>Journal of Neuroscience</i> , 2017, 37, 6902-6914.	1.7	43
15	High channel count single-unit recordings from nonhuman primate frontal cortex. <i>Journal of Neuroscience Methods</i> , 2017, 289, 39-47.	1.3	38
16	$\beta$ Oscillations Are Linked to the Initiation of Sensory-Cued Movement Sequences and the Internal Guidance of Regular Tapping in the Monkey. <i>Journal of Neuroscience</i> , 2015, 35, 4635-4640.	1.7	99
17	Sensorimotor neural dynamics during isochronous tapping in the medial premotor cortex of the macaque. <i>European Journal of Neuroscience</i> , 2015, 41, 586-602.	1.2	64
18	Information Processing in the Primate Basal Ganglia during Sensory-Guided and Internally Driven Rhythmic Tapping. <i>Journal of Neuroscience</i> , 2014, 34, 3910-3923.	1.7	155

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19	Monkeys time their pauses of movement and not their movement-kinematics during a synchronization-continuation rhythmic task. <i>Journal of Neurophysiology</i> , 2014, 111, 2138-2149.	0.9	29
20	Dynamic Representation of the Temporal and Sequential Structure of Rhythmic Movements in the Primate Medial Premotor Cortex. <i>Journal of Neuroscience</i> , 2014, 34, 11972-11983.	1.7	117
21	Neurophysiology of Timing in the Hundreds of Milliseconds: Multiple Layers of Neuronal Clocks in the Medial Premotor Areas. <i>Advances in Experimental Medicine and Biology</i> , 2014, 829, 143-154.	0.8	27
22	Rhesus Monkeys ( <i>Macaca mulatta</i> ) Detect Rhythmic Groups in Music, but Not the Beat. <i>PLoS ONE</i> , 2012, 7, e51369.	1.1	108
23	Measuring time with different neural chronometers during a synchronization-continuation task. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19784-19789.	3.3	172
24	What Can Be Inferred from Multiple-task Psychophysical Studies about the Mechanisms for Temporal Processing?. <i>Lecture Notes in Computer Science</i> , 2011, , 207-229.	1.0	4
25	Temporal discrimination learning for treatment of gait dysfunction in Parkinson's disease: a feasibility study using single subject design. <i>Journal of Parkinsonism and Restless Leg Syndrome</i> , 2011, 1, 8-11.	0.0	1
26	Learning and generalization of time production in humans: rules of transfer across modalities and interval durations. <i>Experimental Brain Research</i> , 2009, 197, 91-100.	0.7	45
27	Crayfish <i>Procambarus clarkii</i> Retina and Nervous System Exhibit Antioxidant Circadian Rhythms Coupled with Metabolic and Luminous Daily Cycles. <i>Photochemistry and Photobiology</i> , 2009, 85, 78-87.	1.3	25
28	The Context of Temporal Processing Is Represented in the Multidimensional Relationships between Timing Tasks. <i>PLoS ONE</i> , 2008, 3, e3169.	1.1	63
29	Functional Architecture of Directional Tuning in the Primate Motor Cortex During 3D Reaching. , 2008, , 243-264.		0
30	Contrasting Effects of Cd <sup>2+</sup> and Co <sup>2+</sup> on the Blocking/Unblocking of Human Cav3 Channels. <i>Journal of Membrane Biology</i> , 2005, 207, 91-105.	1.0	25