# Ramon Bartolo

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8217928/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 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 | Measuring time with different neural chronometers during a synchronization-continuation task. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19784-19789. | 3.3 | 172 |
| 2 | Information Processing in the Primate Basal Ganglia during Sensory-Guided and Internally Driven Rhythmic Tapping. Journal of Neuroscience, 2014, 34, 3910-3923. | 1.7 | 155 |
| 3 | Dynamic Representation of the Temporal and Sequential Structure of Rhythmic Movements in the Primate Medial Premotor Cortex. Journal of Neuroscience, 2014, 34, 11972-11983. | 1.7 | 117 |
| 4 | Rhesus Monkeys (Macaca mulatta) Detect Rhythmic Groups in Music, but Not the Beat. PLoS ONE, 2012, 7, e51369. | 1.1 | 108 |
| 5 | Î² Oscillations Are Linked to the Initiation of Sensory-Cued Movement Sequences and the Internal Guidance of Regular Tapping in the Monkey. Journal of Neuroscience, 2015, 35, 4635-4640. | 1.7 | 99 |
| 6 | Prefrontal Cortex Predicts State Switches during Reversal Learning. Neuron, 2020, 106, 1044-1054.e4. | 3.8 | 78 |
| 7 | Sensorimotor neural dynamics during isochronous tapping in the medial premotor cortex of the macaque. European Journal of Neuroscience, 2015, 41, 586-602. | 1.2 | 64 |
| 8 | The Context of Temporal Processing Is Represented in the Multidimensional Relationships between Timing Tasks. PLoS ONE, 2008, 3, e3169. | 1.1 | 63 |
| 9 | Information-Limiting Correlations in Large Neural Populations. Journal of Neuroscience, 2020, 40, 1668-1678. | 1.7 | 62 |
| 10 | Learning and generalization of time production in humans: rules of transfer across modalities and interval durations. Experimental Brain Research, 2009, 197, 91-100. | 0.7 | 45 |
| 11 | Effects of Ventral Striatum Lesions on Stimulus-Based versus Action-Based Reinforcement Learning. Journal of Neuroscience, 2017, 37, 6902-6914. | 1.7 | 43 |
| 12 | High channel count single-unit recordings from nonhuman primate frontal cortex. Journal of Neuroscience Methods, 2017, 289, 39-47. | 1.3 | 38 |
| 13 | Primate beta oscillations and rhythmic behaviors. Journal of Neural Transmission, 2018, 125, 461-470. | 1.4 | 34 |
| 14 | Monkeys time their pauses of movement and not their movement-kinematics during a synchronization-continuation rhythmic task. Journal of Neurophysiology, 2014, 111, 2138-2149. | 0.9 | 29 |
| 15 | Dimensionality, information and learning in prefrontal cortex. PLoS Computational Biology, 2020, 16, e1007514. | 1.5 | 29 |
| 16 | Neurophysiology of Timing in the Hundreds of Milliseconds: Multiple Layers of Neuronal Clocks in the Medial Premotor Areas. Advances in Experimental Medicine and Biology, 2014, 829, 143-154. | 0.8 | 27 |
| 17 | Contrasting Effects of Cd2+ and Co2+ on the Blocking/Unblocking of Human Cav3 Channels. Journal of Membrane Biology, 2005, 207, 91-105. | 1.0 | 25 |
| 18 | Crayfish Procambarus clarkii Retina and Nervous System Exhibit Antioxidant Circadian Rhythms Coupled with Metabolic and Luminous Daily Cycles. Photochemistry and Photobiology, 2009, 85, 78-87. | 1.3 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Reward-related choices determine information timing and flow across macaque lateral prefrontal cortex. Nature Communications, 2021, 12, 894. | 5.8 | 13 |
| 20 | Differential coding of goals and actions in ventral and dorsal corticostriatal circuits during goal-directed behavior. Cell Reports, 2022, 38, 110198. | 2.9 | 12 |
| 21 | Inference as a fundamental process in behavior. Current Opinion in Behavioral Sciences, 2021, 38, 8-13. | 2.0 | 11 |
| 22 | A convolutional neural network for estimating synaptic connectivity from spike trains. Scientific Reports, 2021, 11, 12087. | 1.6 | 7 |
| 23 | What Can Be Inferred from Multiple-task Psychophysical Studies about the Mechanisms for Temporal Processing?. Lecture Notes in Computer Science, 2011, , 207-229. | 1.0 | 4 |
| 24 | Temporal discrimination learning for treatment of gait dysfunction in Parkinsonâ€™s disease: a feasibility study using single subject design. Journal of Parkinsonism and Restless Leg Syndrome, 2011, 1, 8-11. | 0.0 | 1 |
| 25 | Functional Architecture of Directional Tuning in the Primate Motor Cortex During 3D Reaching. , 2008, , 243-264. | | 0 |
| 26 | Neurons of the prefrontal cortex encode a representation of a Bayesian belief during reinforcement learning. , 2018, , . | | 0 |
| 27 | Dimensionality, information and learning in prefrontal cortex. , 2020, 16, e1007514. | | 0 |
| 28 | Dimensionality, information and learning in prefrontal cortex. , 2020, 16, e1007514. | | 0 |
| 29 | Dimensionality, information and learning in prefrontal cortex. , 2020, 16, e1007514. | | 0 |
| 30 | Dimensionality, information and learning in prefrontal cortex. , 2020, 16, e1007514. | | 0 |