

# Francisco Naveros Arrabal

## List of Publications by Year in descending order

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Version: 2024-02-01

14  
papers

281  
citations

1039880

9  
h-index

1058333

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

292  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Spiking Neural Network With Distributed Plasticity Reproduces Cerebellar Learning in Eye Blink Conditioning Paradigms. IEEE Transactions on Biomedical Engineering, 2016, 63, 210-219.                                      | 2.5 | 47        |
| 2  | A Spiking Neural Simulator Integrating Event-Driven and Time-Driven Computation Schemes Using Parallel CPU-GPU Co-Processing: A Case Study. IEEE Transactions on Neural Networks and Learning Systems, 2015, 26, 1567-1574. | 7.2 | 46        |
| 3  | Distributed Cerebellar Motor Learning: A Spike-Timing-Dependent Plasticity Model. Frontiers in Computational Neuroscience, 2016, 10, 17.  | 1.2 | 37        |
| 4  | VOR Adaptation on a Humanoid iCub Robot Using a Spiking Cerebellar Model. IEEE Transactions on Cybernetics, 2020, 50, 4744-4757.  | 6.2 | 24        |
| 5  | Event- and Time-Driven Techniques Using Parallel CPU-GPU Co-processing for Spiking Neural Networks. Frontiers in Neuroinformatics, 2017, 11, 7.   | 1.3 | 23        |
| 6  | On Robot Compliance: A Cerebellar Control Approach. IEEE Transactions on Cybernetics, 2021, 51, 2476-2489.  | 6.2 | 23        |
| 7  | A cerebellar-based solution to the nondeterministic time delay problem in robotic control. Science Robotics, 2021, 6, eabf2756.   | 9.9 | 22        |
| 8  | Spike burst-pause dynamics of Purkinje cells regulate sensorimotor adaptation. PLoS Computational Biology, 2019, 15, e1006298.  | 1.5 | 20        |
| 9  | Integrated neural and robotic simulations. Simulation of cerebellar neurobiological substrate for an object-oriented dynamic model abstraction process. Robotics and Autonomous Systems, 2014, 62, 1702-1716.               | 3.0 | 13        |
| 10 | 26th Annual Computational Neuroscience Meeting (CNS*2017): Part 2. BMC Neuroscience, 2017, 18, .  | 0.8 | 7         |
| 11 | A Metric for Evaluating Neural Input Representation in Supervised Learning Networks. Frontiers in Neuroscience, 2018, 12, 913.  | 1.4 | 5         |
| 12 | Computational epidemiology study of homeostatic compensation during sensorimotor aging. Neural Networks, 2022, 146, 316-333.  | 3.3 | 3         |
| 13 | A Basal Ganglia Computational Model to Explain the Paradoxical Sensorial Improvement in the Presence of Huntington's Disease. International Journal of Neural Systems, 2020, 30, 2050057.                                   | 3.2 | 2         |
| 14 | Exploring Vestibulo-Ocular Adaptation in a Closed-Loop Neuro-Robotic Experiment Using STDP. A Simulation Study. , 2018, , .   |     | 1         |