Bruno Delord

List of Publications by Year
in descending order

17 papers	978 citations	687363 13 h-index	940533 16 g-index
19 all docs	19 docs citations	19 times ranked	1640 citing authors

#	Article	IF	Citations
1	A biologically constrained spiking neural network model of the primate basal ganglia with overlapping pathways exhibits action selection. European Journal of Neuroscience, 2021, 53, 2254-2277.	2.6	20
2	Online Learning and Memory of Neural Trajectory Replays for Prefrontal Persistent and Dynamic Representations in the Irregular Asynchronous State. Frontiers in Neural Circuits, 2021, 15, 648538.	2.8	2
3	Augmented Reticular Thalamic Bursting and Seizures in Scn1a-Dravet Syndrome. Cell Reports, 2019, 26, 54-64.e6.	6.4	44
4	Conditional Bistability, a Generic Cellular Mnemonic Mechanism for Robust and Flexible Working Memory Computations. Journal of Neuroscience, 2018, 38, 5209-5219.	3.6	11
5	Endocannabinoid dynamics gate spike-timing dependent depression and potentiation. ELife, 2016, 5, e13185.	6.0	54
6	Endocannabinoids mediate bidirectional striatal spike‐timing‐dependent plasticity. Journal of Physiology, 2015, 593, 2833-2849.	2.9	63
7	Effects of Cellular Homeostatic Intrinsic Plasticity on Dynamical and Computational Properties of Biological Recurrent Neural Networks. Journal of Neuroscience, 2013, 33, 15032-15043.	3.6	26
8	Closed-loop optogenetic control of thalamus as a tool for interrupting seizures after cortical injury. Nature Neuroscience, 2013, 16, 64-70.	14.8	491
9	Dendritic Signals Command Firing Dynamics in a Mathematical Model of Cerebellar Purkinje Cells. Biophysical Journal, 2010, 99, 427-436.	0.5	9
10	Multiple forms of activity‐dependent intrinsic plasticity in layer V cortical neurones *in vivo*. Journal of Physiology, 2009, 587, 3189-3205.	2.9	55
11	A Mathematical Analysis of the Effects of Hebbian Learning Rules on the Dynamics and Structure of Discrete-Time Random Recurrent Neural Networks. Neural Computation, 2008, 20, 2937-2966.	2.2	23
12	A New Principle for Information Storage in an Enzymatic Pathway Model. PLoS Computational Biology, 2007, 3, e124.	3.2	18
13	Effects of Hebbian learning on the dynamics and structure of random networks with inhibitory and excitatory neurons. Journal of Physiology (Paris), 2007, 101, 136-148.	2.1	50
14	A Biophysical Model of Nonlinear Dynamics Underlying Plateau Potentials and Calcium Spikes in Purkinje Cell Dendrites. Journal of Neurophysiology, 2002, 88, 2430-2444.	1.8	20
15	Intrinsic properties of rat striatal output neurones and time‐dependent facilitation of cortical inputs in vivo. Journal of Physiology, 2000, 527, 345-354.	2.9	39
16	Role of a Striatal Slowly Inactivating Potassium Current in Short-Term Facilitation of Corticostriatal Inputs: A Computer Simulation Study. Learning and Memory, 2000, 7, 357-362.	1.3	33
17	Bistable behaviour in a neocortical neurone model. NeuroReport, 1997, 8, 1019-1023.	1.2	17