

# Bruno Delord

## List of Publications by Year in descending order

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