

Marco Ap Idiart

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,656
citations

471477

17
h-index

276858

41
g-index

51
all docs

51
docs citations

51
times ranked

2352
citing authors

#	ARTICLE	IF	CITATIONS
1	Effective recommendations towards healthy routines to preserve mental health during the COVID-19 pandemic. <i>Revista Brasileira De Psiquiatria</i> , 2022, 44, 136-146.	1.7	5
2	Handling missing data in rest-activity time series measured by actimetry. <i>Chronobiology International</i> , 2022, 39, 964-975.	2.0	5
3	Maturation of pyramidal cells in anterior piriform cortex may be sufficient to explain the end of early olfactory learning in rats. <i>Learning and Memory</i> , 2020, 27, 20-32.	1.3	5
4	The maturational characteristics of the GABA input in the anterior piriform cortex may also contribute to the rapid learning of the maternal odor during the sensitive period. <i>Learning and Memory</i> , 2020, 27, 493-502.	1.3	2
5	Discovering multiword expressions. <i>Natural Language Engineering</i> , 2019, 25, 715-733.	2.5	2
6	Unsupervised Compositionality Prediction of Nominal Compounds. <i>Computational Linguistics</i> , 2019, 45, 1-57.	3.3	23
7	John Lisman (1944–2017). <i>Neuron</i> , 2017, 96, 961-963.	8.1	1
8	Internal Cholinergic Regulation of Learning and Recall in a Model of Olfactory Processing. <i>Frontiers in Cellular Neuroscience</i> , 2016, 10, 256.	3.7	10
9	Predicting the Compositionality of Nominal Compounds: Giving Word Embeddings a Hard Time. , 2016, , .		27
10	How Naked is the Naked Truth? A Multilingual Lexicon of Nominal Compound Compositionality. , 2016, , .		18
11	Matrix Factorization using Window Sampling and Negative Sampling for Improved Word Representations. , 2016, , .		41
12	Crawling by Readability Level. <i>Lecture Notes in Computer Science</i> , 2016, , 306-318.	1.3	3
13	Grid Cells and Place Cells: An Integrated View of their Navigational and Memory Function. <i>Trends in Neurosciences</i> , 2015, 38, 763-775.	8.6	84
14	Nothing like Good Old Frequency: Studying Context Filters for Distributional Thesauri. , 2014, , .		11
15	A model of cholinergic modulation in olfactory bulb and piriform cortex. <i>Journal of Neurophysiology</i> , 2013, 109, 1360-1377.	1.8	60
16	Locally oriented potential field for controlling multi-robots. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012, 17, 4664-4671.	3.3	9
17	Alternating predictive and short-term memory modes of entorhinal grid cells. <i>Hippocampus</i> , 2012, 22, 1647-1651.	1.9	31
18	The single place fields of CA3 cells: A two-stage transformation from grid cells. <i>Hippocampus</i> , 2012, 22, 200-208.	1.9	27

#	ARTICLE	IF	CITATIONS
19	Computing navigational routes in inhomogeneous environments using BVP Path Planner. , 2010, , .		2
20	A Second Function of Gamma Frequency Oscillations: An E%-Max Winner-Take-All Mechanism Selects Which Cells Fire. Journal of Neuroscience, 2009, 29, 7497-7503.	3.6	135
21	The Input-Output Transformation of the Hippocampal Granule Cells: From Grid Cells to Place Fields. Journal of Neuroscience, 2009, 29, 7504-7512.	3.6	143
22	Sculpting potential fields in the BVP Path Planner. , 2009, , .		2
23	Memory retrieval time and memory capacity of the CA3 network: Role of gamma frequency oscillations. Learning and Memory, 2007, 14, 795-806.	1.3	68
24	Coupled map model for spatio-temporal processing in the olfactory bulb. AIP Conference Proceedings, 2007, , .	0.4	0
25	Exploratory Navigation Based on Dynamical Boundary Value Problems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2006, 45, 101-114.	3.4	31
26	Concatenated retrieval of correlated stored information in neural networks. Physical Review E, 2006, 74, 041912.	2.1	2
27	Multi Robot System based on Boundary Value Problems. , 2006, , .		7
28	Rounding of aggregates of biological cells: Experiments and simulations. Physica A: Statistical Mechanics and Its Applications, 2005, 352, 525-534.	2.6	67
29	Random walk to freedom: The time of effusion. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 95-100.	2.6	6
30	Simulations of viscous shape relaxation in shuffled foam clusters. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 263, 90-94.	4.7	2
31	Bubbles in sheared two-dimensional foams. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2005, 263, 95-100.	4.7	12
32	Retrieval-time properties of the Little-Hopfield model and their physiological relevance. Physical Review E, 2005, 72, 041913.	2.1	3
33	Rupture of a liposomal vesicle. Physical Review E, 2004, 69, 061922.	2.1	44
34	Autonomous Learning Architecture for Environmental Mapping. Journal of Intelligent and Robotic Systems: Theory and Applications, 2004, 39, 243-263.	3.4	22
35	Pore dynamics of osmotically stressed vesicles. Physica A: Statistical Mechanics and Its Applications, 2004, 331, 571-578.	2.6	41
36	Solute diffusion out of a vesicle. Physica A: Statistical Mechanics and Its Applications, 2004, 344, 543-546.	2.6	7

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37	Information space dynamics for neural networks. <i>Physical Review E</i> , 2002, 65, 061908.	2.1	5
38	A mean-field theory of cellular growth. <i>Europhysics Letters</i> , 2002, 59, 923-928.	2.0	49
39	Directing a random walker with optimal potentials. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 307, 52-62.	2.6	5
40	Exploration method using harmonic functions. <i>Robotics and Autonomous Systems</i> , 2002, 40, 25-42.	5.1	67
41	Performances in supervised learning. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 285, 566-578.	2.6	2
42	SELECTION EXPERIMENTS IN THE PENNA MODEL FOR BIOLOGICAL AGING. <i>International Journal of Modern Physics C</i> , 2000, 11, 1283-1295.	1.7	5
43	Optimal supervised learning with two teachers. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 253, 333-346.	2.6	1
44	Helping supervised learning with an educated teacher. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 257, 395-400.	2.6	0
45	Physiologically realistic formation of autoassociative memory in networks with theta/gamma oscillations: role of fast NMDA channels.. <i>Learning and Memory</i> , 1996, 3, 243-256.	1.3	163
46	Storage of 7 +/- 2 short-term memories in oscillatory subcycles. <i>Science</i> , 1995, 267, 1512-1515.	12.6	1,354
47	Reduced Representation by Neural Networks with Restricted Receptive Fields. <i>Neural Computation</i> , 1995, 7, 507-517.	2.2	3
48	A theoretical framework for quantal analysis and its application to long-term potentiation. <i>Journal of Neurophysiology</i> , 1994, 72, 1395-1401.	1.8	5
49	Propagation of excitation in neural network models. <i>Network: Computation in Neural Systems</i> , 1993, 4, 285-294.	3.6	36
50	The space of interactions in neural networks with hierarchical cluster organization. <i>Journal of Physics A</i> , 1992, 25, 5911-5918.	1.6	0
51	Self-consistent localization theory in magnetic fields and the upper critical field of disordered superconductors. <i>Journal of Physics Condensed Matter</i> , 1991, 3, 3765-3775.	1.8	3