Salva Ardid

List of Publications by Year
in descending order

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Version: 2024-02-01

34 papers	749 citations	687363 13 h-index	677142 22 g-index
40 all docs	40 docs citations	40 times ranked	858 citing authors

#	Article	IF	Citations
1	An Integrated Microcircuit Model of Attentional Processing in the Neocortex. Journal of Neuroscience, 2007, 27, 8486-8495.	3.6	103
2	Burst Firing Synchronizes Prefrontal and Anterior Cingulate Cortex during Attentional Control. Current Biology, 2014, 24, 2613-2621.	3.9	101
3	Mapping of Functionally Characterized Cell Classes onto Canonical Circuit Operations in Primate Prefrontal Cortex. Journal of Neuroscience, 2015, 35, 2975-2991.	3.6	88
4	Reconciling Coherent Oscillation with Modulationof Irregular Spiking Activity in Selective Attention:Gamma-Range Synchronization between Sensoryand Executive Cortical Areas. Journal of Neuroscience, 2010, 30, 2856-2870.	3.6	66
5	Anterior Cingulate Cortex Cells Identify Process-Specific Errors of Attentional Control Prior to Transient Prefrontal-Cingulate Inhibition. Cerebral Cortex, 2015, 25, 2213-2228.	2.9	53
6	DynaSim: A MATLAB Toolbox for Neural Modeling and Simulation. Frontiers in Neuroinformatics, 2018, 12, 10.	2.5	52
7	Feature-specific prediction errors and surprise across macaque fronto-striatal circuits. Nature Communications, 2019, 10, 176.	12.8	50
8	A Tweaking Principle for Executive Control: Neuronal Circuit Mechanism for Rule-Based Task Switching and Conflict Resolution. Journal of Neuroscience, 2013, 33, 19504-19517.	3.6	36
9	Determining the neutrino mass ordering and oscillation parameters with KM3NeT/ORCA. European Physical Journal C, 2022, 82, 1.	3.9	27
10	A computational psychiatry approach identifies how alpha-2A noradrenergic agonist Guanfacine affects feature-based reinforcement learning in the macaque. Scientific Reports, 2017, 7, 40606.	3.3	25
11	Flexible resonance in prefrontal networks with strong feedback inhibition. PLoS Computational Biology, 2018, 14, e1006357.	3.2	24
12	Prefrontal oscillations modulate the propagation of neuronal activity required for working memory. Neurobiology of Learning and Memory, 2020, 173, 107228.	1.9	23
13	Attentional Selection Can Be Predicted by Reinforcement Learning of Task-relevant Stimulus Features Weighted by Value-independent Stickiness. Journal of Cognitive Neuroscience, 2016, 28, 333-349.	2.3	21
14	The KM3NeT potential for the next core-collapse supernova observation with neutrinos. European Physical Journal C, 2021, 81, 1.	3.9	21
15	Biased competition in the absence of input bias revealed through corticostriatal computation. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8564-8569.	7.1	14
16	First neutrino oscillation measurement in KM3NeT/ORCA. , 2021, , .		5
17	Deep learning reconstruction in ANTARES. Journal of Instrumentation, 2021, 16, C09018.	1.2	5
18	Sensitivity estimates for diffuse, point-like and extended neutrino sources with KM3NeT/ARCA. , 2021, , .		4

#	Article	IF	Citations
19	Sensitivity to light sterile neutrino mixing parameters with KM3NeT/ORCA. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
20	Subnetwork selection in deep cortical layers is mediated by beta-oscillation dependent firing. Frontiers in Systems Neuroscience, 2013, 7, 25.	2.5	3
21	Constraints on persistent activity in a biologically detailed network model of the prefrontal cortex with heterogeneities. Progress in Neurobiology, 2022, 215, 102287.	5.7	3
22	Real-time Multi-Messenger Analysis Framework of KM3NeT. , 2021, , .		2
23	Neutrino non-standard interactions with theKM3NeT/ORCA detector. , 2021, , .		2
24	What Can Tracking Fluctuations in Dozens of Sensory Neurons Tell about Selective Attention?. Frontiers in Systems Neuroscience, 2011, 5, 35.	2.5	1
25	â€œAdaptive learningâ€•as a mechanistic candidate for reaching optimal task-set representations flexibly. BMC Neuroscience, 2014, 15, .	1.9	1
26	KM3NeT Detection Unit Line Fit reconstruction using positioning sensors data. , 2021, , .		1
27	The Calibration Units of KM3NeT. , 2021, , .		1
28	PMT gain calibration and monitoring based on highly compressed hit information in KM3NeT. , 2021, , .		1
29	Indirect dark matter searches with neutrinos from the Galactic Centre region with the ANTARES and KM3NeT telescopes. , 2021, , .		1
30	The â€œtweaking principleâ€•for task switching. BMC Neuroscience, 2014, 15, .	1.9	0
31	Unraveling action selection and inhibitory control mechanisms in a striatal microcircuit model. International Journal of Psychophysiology, 2016, 108, 18.	1.0	0
32	USE OF SOUND RECORDINGS AND ANALYSIS FOR PHYSICS LAB PRACTICES. , 2021, , .		0
33	Comparison of the measured atmospheric muon rate with Monte Carlo simulations and sensitivity study for detection of prompt atmospheric muons with KM3NeT. , 2021, , .		0
34	AnÃ¡lisis del cambio repentino a docencia remota por la COVID-19 en los resultados de aprendizaje: caso de dos asignaturas anuales bÃ¡sicas en Grados de IngenierÃa. , 0, , .		0