

Riccardo Zucca

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

935
citations

687363

13
h-index

610901

24
g-index

45
all docs

45
docs citations

45
times ranked

1244
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus Paper: Towards a Systems-Level View of Cerebellar Function: the Interplay Between Cerebellum, Basal Ganglia, and Cortex. <i>Cerebellum</i> , 2017, 16, 203-229.	2.5	321
2	Memory trace and timing mechanism localized to cerebellar Purkinje cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 14930-14934.	7.1	132
3	Number of Spikes in Climbing Fibers Determines the Direction of Cerebellar Learning. <i>Journal of Neuroscience</i> , 2013, 33, 13436-13440.	3.6	66
4	Network dynamics with BrainX3: a large-scale simulation of the human brain network with real-time interaction. <i>Frontiers in Neuroinformatics</i> , 2015, 9, 02.	2.5	48
5	Volitional learning promotes theta phase coding in the human hippocampus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	30
6	Inference of human affective states from psychophysiological measurements extracted under ecologically valid conditions. <i>Frontiers in Neuroscience</i> , 2014, 8, 286.	2.8	28
7	The Impact of Cortical Lesions on Thalamo-Cortical Network Dynamics after Acute Ischaemic Stroke: A Combined Experimental and Theoretical Study. <i>PLoS Computational Biology</i> , 2016, 12, e1005048.	3.2	26
8	Non-Invasive Estimation of Intracranial Pressure by Diffuse Optics: A Proof-of-Concept Study. <i>Journal of Neurotrauma</i> , 2020, 37, 2569-2579.	3.4	22
9	Understanding large network datasets through embodied interaction in virtual reality. , 2014, , .		19
10	Purkinje cell activity during classical conditioning with different conditional stimuli explains central tenet of Rescorla-Wagner model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14060-14065.	7.1	19
11	Climbing Fiber Regulation of Spontaneous Purkinje Cell Activity and Cerebellum-Dependent Blink Responses. <i>ENeuro</i> , 2016, 3, ENEURO.0067-15.2015.	1.9	19
12	A computational analysis of dynamic, multi-organ inflammatory crosstalk induced by endotoxin in mice. <i>PLoS Computational Biology</i> , 2018, 14, e1006582.	3.2	18
13	Connectomics to Semantomics: Addressing the Brain's Big Data Challenge1. <i>Procedia Computer Science</i> , 2015, 53, 48-55.	2.0	17
14	The EASEL Project: Towards Educational Human-Robot Symbiotic Interaction. <i>Lecture Notes in Computer Science</i> , 2016, , 297-306.	1.3	16
15	Absence of Parallel Fibre to Purkinje Cell LTD During Eyeblink Conditioning. <i>Scientific Reports</i> , 2018, 8, 14777.	3.3	16
16	BrainX 3. , 2014, , .		14
17	The Dynamic Connectome: A Tool For Large-Scale 3D Reconstruction Of Brain Activity In Real-Time. , 2013, , .		14
18	Advanced interfaces to stem the data deluge in mixed reality. , 2013, , .		13

#	ARTICLE	IF	CITATIONS
19	Size Matters: How Scaling Affects the Interaction between Grid and Border Cells. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 65.	2.1	13
20	Accepted Abstracts from the International Brain Injury Association's 12 th World Congress on Brain Injury. <i>Brain Injury</i> , 2017, 31, 719-1017.	1.2	12
21	XIM-engine. , 2014, , .		11
22	Towards a Synthetic Tutor Assistant: The EASEL Project and its Architecture. <i>Lecture Notes in Computer Science</i> , 2016, , 353-364.	1.3	11
23	A sensing architecture for empathetic data systems. , 2013, , .		10
24	Analyzing children's expectations from robotic companions in educational settings. , 2017, , .		9
25	Mood Disturbances, Anxiety, and Impact on Quality of Life in Patients Admitted to Epilepsy Monitoring Units. <i>Frontiers in Neurology</i> , 2021, 12, 761239.	2.4	8
26	Navigate the Unknown: Implications of Grid-Cells "Mental Travel" in Vicarious Trial and Error. <i>Lecture Notes in Computer Science</i> , 2016, , 251-262.	1.3	4
27	Validation of direct cortical stimulation in presurgical evaluation of epilepsy. <i>Clinical Neurophysiology</i> , 2022, 137, 38-45.	1.5	4
28	The dynamic connectome: towards large-scale 3D reconstruction of brain activity in real-time. <i>BMC Neuroscience</i> , 2013, 14, .	1.9	2
29	Golgi Cell Activity During Eyeblink Conditioning in Decerebrate Ferrets. <i>Cerebellum</i> , 2014, 13, 42-45.	2.5	2
30	Scaling Properties of Human Brain Functional Networks. <i>Lecture Notes in Computer Science</i> , 2016, , 107-114.	1.3	2
31	Modulating grid cell scale and intrinsic frequencies via slow high-threshold conductances: A simplified model. <i>Neural Networks</i> , 2019, 119, 66-73.	5.9	2
32	Symbiotic Adaptive Interfaces: A Case Study Using BrainX3. <i>Lecture Notes in Computer Science</i> , 2015, , 33-44.	1.3	1
33	How you type is what you type: Keystroke dynamics correlate with affective content. , 2019, , .		1
34	Prefrontal cortical modulation of information flow in a large-scale model of the cortico-thalamic circuit. <i>BMC Neuroscience</i> , 2013, 14, .	1.9	0
35	Non-invasive estimation of intracranial pressure by fast diffuse correlation spectroscopy: a multi-center study. , 2021, , .		0
36	Cerebellar Memory Transfer and Partial Savings during Motor Learning: A Robotic Study. <i>Lecture Notes in Computer Science</i> , 2012, , 321-332.	1.3	0

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37	Tracing Neural Circuits by Dynamically Simulating Whole-Brain Activity Patterns in the Human Connectome. <i>Frontiers in Neuroinformatics</i> , 0, 7, .	2.5	0
38	Modulating Learning Through Expectation in a Simulated Robotic Setup. <i>Lecture Notes in Computer Science</i> , 2016, , 400-408.	1.3	0
39	Oscillatory dynamics of active learning in the human brain. , 2019, , .		0
40	Non-invasive estimation of intracranial pressure by diffuse correlation spectroscopy. , 2020, , .		0