Riccardo Zucca

List of Publications by Year
in descending order

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	Validation of direct cortical stimulation in presurgical evaluation of epilepsy. Clinical Neurophysiology, 2022, 137, 38-45.	1.5	4
2	Volitional learning promotes theta phase coding in the human hippocampus. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	30
3	Non-invasive estimation of intracranial pressure by fast diffuse correlation spectroscopy: a multi-center study. , 2021, , .		0
4	Mood Disturbances, Anxiety, and Impact on Quality of Life in Patients Admitted to Epilepsy Monitoring Units. Frontiers in Neurology, 2021, 12, 761239.	2.4	8
5	Non-Invasive Estimation of Intracranial Pressure by Diffuse Optics: A Proof-of-Concept Study. Journal of Neurotrauma, 2020, 37, 2569-2579.	3.4	22
6	Non-invasive estimation of intracranial pressure by diffuse correlation spectroscopy. , 2020, , .		0
7	Modulating grid cell scale and intrinsic frequencies via slow high-threshold conductances: A simplified model. Neural Networks, 2019, 119, 66-73.	5.9	2
8	How you type is what you type: Keystroke dynamics correlate with affective content. , 2019, , .		1
9	Oscillatory dynamics of active learning in the human brain. , 2019, , .		0
10	A computational analysis of dynamic, multi-organ inflammatory crosstalk induced by endotoxin in mice. PLoS Computational Biology, 2018, 14, e1006582.	3.2	18
11	Absence of Parallel Fibre to Purkinje Cell LTD During Eyeblink Conditioning. Scientific Reports, 2018, 8, 14777.	3.3	16
12	Consensus Paper: Towards a Systems-Level View of Cerebellar Function: the Interplay Between Cerebellum, Basal Ganglia, and Cortex. Cerebellum, 2017, 16, 203-229.	2.5	321
13	Accepted Abstracts from the International Brain Injury Association's 12th World Congress on Brain Injury. Brain Injury, 2017, 31, 719-1017.	1.2	12
14	Analyzing children's expectations from robotic companions in educational settings. , 2017, , .		9
15	Size Matters: How Scaling Affects the Interaction between Grid and Border Cells. Frontiers in Computational Neuroscience, 2017, 11, 65.	2.1	13
16	The Impact of Cortical Lesions on Thalamo-Cortical Network Dynamics after Acute Ischaemic Stroke: A Combined Experimental and Theoretical Study. PLoS Computational Biology, 2016, 12, e1005048.	3.2	26
17	Scaling Properties of Human Brain Functional Networks. Lecture Notes in Computer Science, 2016, , 107-114.	1.3	2
18	The EASEL Project: Towards Educational Human-Robot Symbiotic Interaction. Lecture Notes in Computer Science, 2016, , 297-306.	1.3	16

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19	Towards a Synthetic Tutor Assistant: The EASEL Project and its Architecture. Lecture Notes in Computer Science, 2016, , 353-364.	1.3	11
20	Navigate the Unknown: Implications of Grid-Cells "Mental Travel" in Vicarious Trial and Error. Lecture Notes in Computer Science, 2016, , 251-262.	1.3	4
21	Climbing Fiber Regulation of Spontaneous Purkinje Cell Activity and Cerebellum-Dependent Blink Responses. ENeuro, 2016, 3, ENEURO.0067-15.2015.	1.9	19
22	Modulating Learning Through Expectation in a Simulated Robotic Setup. Lecture Notes in Computer Science, 2016, , 400-408.	1.3	0
23	Connectomics to Semantomics: Addressing the Brain's Big Data Challenge1. Procedia Computer Science, 2015, 53, 48-55.	2.0	17
24	Network dynamics with BrainX3: a large-scale simulation of the human brain network with real-time interaction. Frontiers in Neuroinformatics, 2015, 9, 02.	2.5	48
25	Purkinje cell activity during classical conditioning with different conditional stimuli explains central tenet of Rescorla–Wagner model. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 14060-14065.	7.1	19
26	Symbiotic Adaptive Interfaces: A Case Study Using BrainX3. Lecture Notes in Computer Science, 2015, , 33-44.	1.3	1
27	Inference of human affective states from psychophysiological measurements extracted under ecologically valid conditions. Frontiers in Neuroscience, 2014, 8, 286.	2.8	28
28	XIM-engine. , 2014, , .		11
29	Golgi Cell Activity During Eyeblink Conditioning in Decerebrate Ferrets. Cerebellum, 2014, 13, 42-45.	2.5	2
30	Memory trace and timing mechanism localized to cerebellar Purkinje cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14930-14934.	7.1	132
31	BrainX 3. , 2014, , .		14
32	Understanding large network datasets through embodied interaction in virtual reality. , 2014, , .		19
33	Prefrontal cortical modulation of information flow in a large-scale model of the cortico-thalamic circuit. BMC Neuroscience, 2013, 14, .	1.9	0
34	The dynamic connectome: towards large-scale 3D reconstruction of brain activity in real-time. BMC Neuroscience, 2013, 14, .	1.9	2
35	Number of Spikes in Climbing Fibers Determines the Direction of Cerebellar Learning. Journal of Neuroscience, 2013, 33, 13436-13440.	3.6	66
36	Advanced interfaces to stem the data deluge in mixed reality. , 2013, , .		13

#	Article	IF	Citations
37	A sensing architecture for empathetic data systems. , 2013, , .		10
38	The Dynamic Connectome: A Tool For Large-Scale 3D Reconstruction Of Brain Activity In Real-Time. , 2013, , .		14
39	Cerebellar Memory Transfer and Partial Savings during Motor Learning: A Robotic Study. Lecture Notes in Computer Science, 2012, , 321-332.	1.3	0
40	Tracing Neural Circuits by Dynamically Simulating Whole-Brain Activity Patterns in the Human Connectome. Frontiers in Neuroinformatics, 0, 7, .	2.5	0