

Luca Tonin

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

982
citations

932766

10
h-index

794141

19
g-index

30
all docs

30
docs citations

30
times ranked

935
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards Independence: A BCI Telepresence Robot for People With Severe Motor Disabilities. Proceedings of the IEEE, 2015, 103, 969-982.	16.4	150
2	Transferring brain-computer interfaces beyond the laboratory: Successful application control for motor-disabled users. Artificial Intelligence in Medicine, 2013, 59, 121-132.	3.8	131
3	Tools for brain-computer interaction: a general concept for a hybrid BCI. Frontiers in Neuroinformatics, 2011, 5, 30.	1.3	121
4	The Cybathlon BCI race: Successful longitudinal mutual learning with two tetraplegic users. PLoS Biology, 2018, 16, e2003787.	2.6	111
5	The role of shared-control in BCI-based telepresence. , 2010, , .		85
6	Brain-controlled telepresence robot by motor-disabled people. , 2011, 2011, 4227-30.		85
7	Hybrid Human-Machine Interface for Gait Decoding Through Bayesian Fusion of EEG and EMG Classifiers. Frontiers in Neurorobotics, 2020, 14, 582728.	1.6	36
8	The Role of the Control Framework for Continuous Teleoperation of a Brain-Machine Interface-Driven Mobile Robot. IEEE Transactions on Robotics, 2020, 36, 78-91.	7.3	30
9	Noninvasive Brain-Machine Interfaces for Robotic Devices. Annual Review of Control, Robotics, and Autonomous Systems, 2021, 4, 191-214.	7.5	30
10	A hybrid BCI for enhanced control of a telepresence robot. , 2013, 2013, 3097-100.		24
11	Brain-Computer Interface Meets ROS: A Robotic Approach to Mentally Drive Telepresence Robots. , 2018, , .		24
12	A BCI Teleoperated Museum Robotic Guide. , 2009, , .		23
13	Uncovering EEG Correlates of Covert Attention in Soccer Goalkeepers: Towards Innovative Sport Training Procedures. Scientific Reports, 2020, 10, 1705.	1.6	16
14	GMM-Based Single-Joint Angle Estimation Using EMG Signals. Advances in Intelligent Systems and Computing, 2016, , 1173-1184.	0.5	13
15	Brain racers. IEEE Spectrum, 2017, 54, 44-51.	0.5	13
16	Behavioral and Cortical Effects during Attention Driven Brain-Computer Interface Operations in Spatial Neglect: A Feasibility Case Study. Frontiers in Human Neuroscience, 2017, 11, 336.	1.0	10
17	Experimental Protocol to Assess Neuromuscular Plasticity Induced by an Exoskeleton Training Session. Methods and Protocols, 2021, 4, 48.	0.9	10
18	ROS-health: An open-source framework for neurorobotics. , 2018, , .		9

#	ARTICLE	IF	CITATIONS
19	ROS-Neuro: A common middleware for BMI and robotics. The acquisition and recorder packages. , 2019, , .		9
20	Real-time EEG Feedback on Alpha Power Lateralization Leads to Behavioral Improvements in a Covert Attention Task. Brain Topography, 2020, 33, 48-59.	0.8	9
21	Shared Intelligence for Robot Teleoperation via BMI. IEEE Transactions on Human-Machine Systems, 2022, 52, 400-409.	2.5	9
22	Neural correlates of user learning during long-term BCI training for the Cybathlon competition. Journal of NeuroEngineering and Rehabilitation, 2022, 19, .	2.4	9
23	Entropy-based Motion Intention Identification for Brain-Computer Interface. , 2019, , .		7
24	ROS-Neuro: An Open-Source Platform for Neurorobotics. Frontiers in Neurorobotics, 2022, 16, .	1.6	5
25	ROS-Neuro: implementation of a closed-loop BMI based on motor imagery. , 2020, , .		4
26	Editorial: Advances in the Integration of Brain-Machine Interfaces and Robotic Devices. Frontiers in Robotics and AI, 2021, 8, 653615.	2.0	3
27	Shared Intelligence for User-Supervised Robots: From Userâ€™s Commands toâ€™Robotâ€™s Actions. Lecture Notes in Computer Science, 2021, , 457-465.	1.0	2
28	Brain-Computer Interface for children: state-of-the-art and challenges*. , 2020, , .		2
29	Looking around with your brain in a virtual world. , 2011, , .		1
30	Brain-Driven Telepresence Robots: A Fusion of Userâ€™s Commands withâ€™Robotâ€™s Intelligence. Lecture Notes in Computer Science, 2021, , 235-248.	1.0	1