Rosaria Rucco

List of Publications by Year
in descending order

28	741	623734	610901
papers	citations	14 h-index	24 g-index

39	39	39	905
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A night of sleep deprivation alters brain connectivity and affects specific executive functions. Neurological Sciences, 2022, 43, 1025-1034.	1.9	13
2	Brain Networks and Cognitive Impairment in Parkinson's Disease. Brain Connectivity, 2022, 12, 465-475.	1.7	15
3	Detection of Cross-Frequency Coupling Between Brain Areas: An Extension of Phase Linearity Measurement. Frontiers in Neuroscience, 2022, 16, 846623.	2.8	2
4	Flexible brain dynamics underpins complex behaviours as observed in Parkinsonâ€™s disease. Scientific Reports, 2021, 11, 4051.	3.3	48
5	A synthetic kinematic index of trunk displacement conveying the overall motor condition in Parkinsonâ€™s disease. Scientific Reports, 2021, 11, 2736.	3.3	8
6	Functional brain network topology across the menstrual cycle is estradiol dependent and correlates with individual wellâ€being. Journal of Neuroscience Research, 2021, 99, 2271-2286.	2.9	18
7	The structural connectome constrains fast brain dynamics. ELife, 2021, 10, .	6.0	46
8	Clinical connectome fingerprints of cognitive decline. NeuroImage, 2021, 238, 118253.	4.2	31
9	The effects of different frequencies of rhythmic acoustic stimulation on gait stability in healthy elderly individuals: a pilot study. Scientific Reports, 2021, 11, 19530.	3.3	9
10	Neuronal Avalanches to Study the Coordination of Large-Scale Brain Activity: Application to Rett Syndrome. Frontiers in Psychology, 2020, 11, 550749.	2.1	9
11	In Amyotrophic Lateral Sclerosis Blood Cytokines Are Altered, but Do Not Correlate with Changes in Brain Topology. Brain Connectivity, 2020, 10, 411-421.	1.7	13
12	Brain connectivity study by multichannel system based on superconducting quantum magnetic sensors. Engineering Research Express, 2020, 2, 015038.	1.6	4
13	An automated magnetoencephalographic data cleaning algorithm. Computer Methods in Biomechanics and Biomedical Engineering, 2019, 22, 1116-1125.	1.6	9
14	An extension of Phase Linearity Measurement for revealing cross frequency coupling among brain areas. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 135.	4.6	6
15	Gait abnormalities in minimally disabled people with Multiple Sclerosis: A 3D-motion analysis study. Multiple Sclerosis and Related Disorders, 2019, 29, 100-107.	2.0	42
16	Mutations in the SPAST gene causing hereditary spastic paraplegia are related to global topological alterations in brain functional networks. Neurological Sciences, 2019, 40, 979-984.	1.9	26
17	Phase Linearity Measurement: A Novel Index for Brain Functional Connectivity. IEEE Transactions on Medical Imaging, 2019, 38, 873-882.	8.9	32
18	A Novel Brain Functional Connectivity Measurement Based on Phase Similarity. Biosystems and Biorobotics, 2019, , 564-568.	0.3	0

#	Article	IF	Citations
19	Magnetoencephalography System Based on Quantum Magnetic Sensors for Clinical Applications. Lecture Notes in Electrical Engineering, 2019, , 203-209.	0.4	0
20	Mindfulness Meditation Is Related to Long-Lasting Changes in Hippocampal Functional Topology during Resting State: A Magnetoencephalography Study. Neural Plasticity, 2018, 2018, 1-9.	2.2	44
21	Amnestic Mild Cognitive Impairment Is Associated With Frequency-Specific Brain Network Alterations in Temporal Poles. Frontiers in Aging Neuroscience, 2018, 10, 400.	3.4	29
22	Brain functional networks become more connected as amyotrophic lateral sclerosis progresses: a source level magnetoencephalographic study. NeuroImage: Clinical, 2018, 20, 564-571.	2.7	58
23	Type and Location of Wearable Sensors for Monitoring Falls during Static and Dynamic Tasks in Healthy Elderly: A Review. Sensors, 2018, 18, 1613.	3.8	90
24	Step length predicts executive dysfunction in Parkinsonâ€™s disease: a 3-year prospective study. Journal of Neurology, 2018, 265, 2211-2220.	3.6	32
25	Spatio-temporal and kinematic gait analysis in patients with Frontotemporal dementia and Alzheimerâ€™s disease through 3D motion capture. Gait and Posture, 2017, 52, 312-317.	1.4	66
26	Impaired gait kinematics in type 1 Gaucherâ€™s Disease. Journal of Parkinson's Disease, 2016, 6, 191-195.	2.8	20
27	Effects of Global Postural Reeducation on gait kinematics in parkinsonian patients: a pilot randomized three-dimensional motion analysis study. Neurological Sciences, 2016, 37, 515-522.	1.9	22
28	Effect of Global Postural Rehabilitation program on spatiotemporal gait parameters of parkinsonian patients: a three-dimensional motion analysis study. Neurological Sciences, 2012, 33, 1337-1343.	1.9	23