

Rosaria Rucco

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

741
citations

623734

14
h-index

610901

24
g-index

39
all docs

39
docs citations

39
times ranked

905
citing authors

#	ARTICLE	IF	CITATIONS
1	Type and Location of Wearable Sensors for Monitoring Falls during Static and Dynamic Tasks in Healthy Elderly: A Review. <i>Sensors</i> , 2018, 18, 1613.	3.8	90
2	Spatio-temporal and kinematic gait analysis in patients with Frontotemporal dementia and Alzheimer's disease through 3D motion capture. <i>Gait and Posture</i> , 2017, 52, 312-317.	1.4	66
3	Brain functional networks become more connected as amyotrophic lateral sclerosis progresses: a source level magnetoencephalographic study. <i>NeuroImage: Clinical</i> , 2018, 20, 564-571.	2.7	58
4	Flexible brain dynamics underpins complex behaviours as observed in Parkinson's disease. <i>Scientific Reports</i> , 2021, 11, 4051.	3.3	48
5	The structural connectome constrains fast brain dynamics. <i>ELife</i> , 2021, 10, .	6.0	46
6	Mindfulness Meditation Is Related to Long-Lasting Changes in Hippocampal Functional Topology during Resting State: A Magnetoencephalography Study. <i>Neural Plasticity</i> , 2018, 2018, 1-9.	2.2	44
7	Gait abnormalities in minimally disabled people with Multiple Sclerosis: A 3D-motion analysis study. <i>Multiple Sclerosis and Related Disorders</i> , 2019, 29, 100-107.	2.0	42
8	Step length predicts executive dysfunction in Parkinson's disease: a 3-year prospective study. <i>Journal of Neurology</i> , 2018, 265, 2211-2220.	3.6	32
9	Phase Linearity Measurement: A Novel Index for Brain Functional Connectivity. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 873-882.	8.9	32
10	Clinical connectome fingerprints of cognitive decline. <i>NeuroImage</i> , 2021, 238, 118253.	4.2	31
11	Amnesic Mild Cognitive Impairment Is Associated With Frequency-Specific Brain Network Alterations in Temporal Poles. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 400.	3.4	29
12	Mutations in the SPAST gene causing hereditary spastic paraplegia are related to global topological alterations in brain functional networks. <i>Neurological Sciences</i> , 2019, 40, 979-984.	1.9	26
13	Effect of Global Postural Rehabilitation program on spatiotemporal gait parameters of parkinsonian patients: a three-dimensional motion analysis study. <i>Neurological Sciences</i> , 2012, 33, 1337-1343.	1.9	23
14	Effects of Global Postural Reeducation on gait kinematics in parkinsonian patients: a pilot randomized three-dimensional motion analysis study. <i>Neurological Sciences</i> , 2016, 37, 515-522.	1.9	22
15	Impaired gait kinematics in type 1 Gaucher's Disease. <i>Journal of Parkinson's Disease</i> , 2016, 6, 191-195.	2.8	20
16	Functional brain network topology across the menstrual cycle is estradiol dependent and correlates with individual well-being. <i>Journal of Neuroscience Research</i> , 2021, 99, 2271-2286.	2.9	18
17	Brain Networks and Cognitive Impairment in Parkinson's Disease. <i>Brain Connectivity</i> , 2022, 12, 465-475.	1.7	15
18	In Amyotrophic Lateral Sclerosis Blood Cytokines Are Altered, but Do Not Correlate with Changes in Brain Topology. <i>Brain Connectivity</i> , 2020, 10, 411-421.	1.7	13

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19	A night of sleep deprivation alters brain connectivity and affects specific executive functions. <i>Neurological Sciences</i> , 2022, 43, 1025-1034.	1.9	13
20	An automated magnetoencephalographic data cleaning algorithm. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2019, 22, 1116-1125.	1.6	9
21	Neuronal Avalanches to Study the Coordination of Large-Scale Brain Activity: Application to Rett Syndrome. <i>Frontiers in Psychology</i> , 2020, 11, 550749.	2.1	9
22	The effects of different frequencies of rhythmic acoustic stimulation on gait stability in healthy elderly individuals: a pilot study. <i>Scientific Reports</i> , 2021, 11, 19530.	3.3	9
23	A synthetic kinematic index of trunk displacement conveying the overall motor condition in Parkinson's disease. <i>Scientific Reports</i> , 2021, 11, 2736.	3.3	8
24	An extension of Phase Linearity Measurement for revealing cross frequency coupling among brain areas. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2019, 16, 135.	4.6	6
25	Brain connectivity study by multichannel system based on superconducting quantum magnetic sensors. <i>Engineering Research Express</i> , 2020, 2, 015038.	1.6	4
26	Detection of Cross-Frequency Coupling Between Brain Areas: An Extension of Phase Linearity Measurement. <i>Frontiers in Neuroscience</i> , 2022, 16, 846623.	2.8	2
27	A Novel Brain Functional Connectivity Measurement Based on Phase Similarity. <i>Biosystems and Biorobotics</i> , 2019, , 564-568.	0.3	0
28	Magnetoencephalography System Based on Quantum Magnetic Sensors for Clinical Applications. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 203-209.	0.4	0