

Pierpaolo Sorrentino

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,868
citations

430874

18
h-index

302126

39
g-index

74
all docs

74
docs citations

74
times ranked

2717
citing authors

#	ARTICLE	IF	CITATIONS
1	A night of sleep deprivation alters brain connectivity and affects specific executive functions. <i>Neurological Sciences</i> , 2022, 43, 1025-1034.	1.9	13
2	Brain Networks and Cognitive Impairment in Parkinson's Disease. <i>Brain Connectivity</i> , 2022, 12, 465-475.	1.7	15
3	Topological changes of brain network during mindfulness meditation: an exploratory source level magnetoencephalographic study. <i>AIMS Neuroscience</i> , 2022, 9, 250-263.	2.3	5
4	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
5	Sensitivity to gait improvement after levodopa intake in Parkinson's disease: A comparison study among synthetic kinematic indices. <i>PLoS ONE</i> , 2022, 17, e0268392.	2.5	5
6	The progressive loss of brain network fingerprints in Amyotrophic Lateral Sclerosis predicts clinical impairment. <i>NeuroImage: Clinical</i> , 2022, 35, 103095.	2.7	14
7	Brain network topology and personality traits: A source level magnetoencephalographic study. <i>Scandinavian Journal of Psychology</i> , 2022, 63, 495-503.	1.5	0
8	The kinectome: A comprehensive kinematic map of human motion in health and disease. <i>Annals of the New York Academy of Sciences</i> , 2022, 1516, 247-261.	3.8	6
9	The beneficial effects of physical exercise on visuospatial working memory in preadolescent children. <i>AIMS Neuroscience</i> , 2021, 8, 496-509.	2.3	14
10	Flexible brain dynamics underpins complex behaviours as observed in Parkinson's disease. <i>Scientific Reports</i> , 2021, 11, 4051.	3.3	48
11	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
12	Behavioral Restriction Determines Left Attentional Bias: Preliminary Evidences From COVID-19 Lockdown. <i>Frontiers in Psychology</i> , 2021, 12, 650715.	2.1	8
13	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
14	The structural connectome constrains fast brain dynamics. <i>ELife</i> , 2021, 10, .	6.0	46
15	Clinical connectome fingerprints of cognitive decline. <i>NeuroImage</i> , 2021, 238, 118253.	4.2	31
16	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
17	Nutrition and cognition across the lifetime: an overview on epigenetic mechanisms. <i>AIMS Neuroscience</i> , 2021, 8, 448-476.	2.3	13
18	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

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19	Peripersonal Visuospatial Abilities in Williams Syndrome Analyzed by a Table Radial Arm Maze Task. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 254.	2.0	8
20	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
21	Brain Network Integration in Patients with Migraine: A Magnetoencephalography Study. <i>Brain Connectivity</i> , 2020, 10, 224-235.	1.7	6
22	Brain connectivity study by multichannel system based on superconducting quantum magnetic sensors. <i>Engineering Research Express</i> , 2020, 2, 015038.	1.6	4
23	Psychosocial variables and quality of life during the COVID-19 lockdown: a correlational study on a convenience sample of young Italians. <i>PeerJ</i> , 2020, 8, e10611.	2.0	27
24	An automated magnetoencephalographic data cleaning algorithm. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2019, 22, 1116-1125.	1.6	9
25	The Development of Spatial Memory Analyzed by Means of Ecological Walking Task. <i>Frontiers in Psychology</i> , 2019, 10, 728.	2.1	14
26	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
27	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
28	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
29	Phase Linearity Measurement: A Novel Index for Brain Functional Connectivity. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 873-882.	8.9	32
30	Executive functioning profiles in elite volleyball athletes: Preliminary results by a sport-specific task switching protocol. <i>Human Movement Science</i> , 2019, 63, 73-81.	1.4	35
31	Neurodegeneration of brain networks in the amyotrophic lateral sclerosisâ€“frontotemporal lobar degeneration (ALSâ€“FTLD) continuum: evidence from MRI and MEG studies. <i>CNS Spectrums</i> , 2018, 23, 378-387.	1.2	16
32	Effects of Acetylcholine on β -Amyloid-Induced cPLA2 Activation in the TB Neuroectodermal Cell Line: Implications for the Pathogenesis of Alzheimerâ€™s Disease. <i>Cellular and Molecular Neurobiology</i> , 2018, 38, 817-826.	3.3	8
33	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
34	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
35	Reversible Valproate-Induced Subacute Encephalopathy Associated With a MT-ATP8 Variant in the Mitochondrial Genome. <i>Frontiers in Neurology</i> , 2018, 9, 728.	2.4	13
36	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

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37	Functional Role of Internal and External Visual Imagery: Preliminary Evidences from Pilates. <i>Neural Plasticity</i> , 2018, 2018, 1-8.	2.2	14
38	Effects of Physical Exercise on Cognitive Functioning and Wellbeing: Biological and Psychological Benefits. <i>Frontiers in Psychology</i> , 2018, 9, 509.	2.1	462
39	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
40	Reduced Cancer Incidence in Huntington's Disease: Analysis in the Registry Study. <i>Journal of Huntington's Disease</i> , 2018, 7, 209-222.	1.9	14
41	Motor Patterns Recognition in Parkinson's Disease. , 2018, , 1237-1252.		0
42	The Hierarchy of Brain Networks Is Related to Insulin Growth Factor-1 in a Large, Middle-Aged, Healthy Cohort: An Exploratory Magnetoencephalography Study. <i>Brain Connectivity</i> , 2017, 7, 321-330.	1.7	13
43	Identification of genetic variants associated with Huntington's disease progression: a genome-wide association study. <i>Lancet Neurology</i> , The, 2017, 16, 701-711.	10.2	248
44	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
45	Cognitive decline in Huntington's disease expansion gene carriers. <i>Cortex</i> , 2017, 95, 51-62.	2.4	50
46	Reversible valproate-induced subacute encephalopathy caused by a mitochondrial DNA variant. <i>Journal of the Neurological Sciences</i> , 2017, 381, 696-697.	0.6	1
47	Impaired gait kinematics in type 1 Gaucher's Disease. <i>Journal of Parkinson's Disease</i> , 2016, 6, 191-195.	2.8	20
48	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
49	Motor Patterns Recognition in Parkinson's Disease. , 2016, , 1-16.		0
50	Opinion & Special Articles: Professionalism in neurology. <i>Neurology</i> , 2014, 83, e12-5.	1.1	4
51	The dark sides of amyloid in Alzheimer's disease pathogenesis. <i>FEBS Letters</i> , 2014, 588, 641-652.	2.8	53
52	Insulin Sensitivity and Early-Phase Insulin Secretion in Normoglycemic Huntington's Disease Patients. <i>Journal of Huntington's Disease</i> , 2013, 2, 501-507.	1.9	18
53	β -Defensin Genomic Copy Number Does Not Influence the Age of Onset in Huntington's Disease. <i>Journal of Huntington's Disease</i> , 2013, 2, 107-124.	1.9	1
54	Role of Cytosolic Calcium-Dependent Phospholipase A2 in Alzheimer's Disease Pathogenesis. <i>Molecular Neurobiology</i> , 2012, 45, 596-604.	4.0	44

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55	A Combined Nucleic Acid and Protein Analysis in Friedreich Ataxia: Implications for Diagnosis, Pathogenesis and Clinical Trial Design. PLoS ONE, 2011, 6, e17627.	2.5	55
56	PRICKLE1 progressive myoclonus epilepsy in Southern Italy. Movement Disorders, 2010, 25, 2686-2687.	3.9	5