Matteo Fraschini

List of Publications by Year
in descending order

38 papers	1,038 citations	566801 15 h-index	454577 30 g-index
45 all docs	45 docs citations	45 times ranked	1391 citing authors

#	Article	IF	Citations
1	The effect of epoch length on estimated EEG functional connectivity and brain network organisation. Journal of Neural Engineering, 2016, 13, 036015.	1.8	199
2	An EEG-Based Biometric System Using Eigenvector Centrality in Resting State Brain Networks. IEEE Signal Processing Letters, 2015, 22, 666-670.	2.1	117
3	A comparison between scalp- and source-reconstructed EEG networks. Scientific Reports, 2018, 8, 12269.	1.6	101
4	VNS induced desynchronization in gamma bands correlates with positive clinical outcome in temporal lobe pharmacoresistant epilepsy. Neuroscience Letters, 2013, 536, 14-18.	1.0	62
5	EEG fingerprinting: Subject-specific signature based on the aperiodic component of power spectrum. Computers in Biology and Medicine, 2020, 120, 103748.	3.9	52
6	The re-organization of functional brain networks in pharmaco-resistant epileptic patients who respond to VNS. Neuroscience Letters, 2014, 580, 153-157.	1.0	45
7	Robustness of functional connectivity metrics for EEG-based personal identification over task-induced intra-class and inter-class variations. Pattern Recognition Letters, 2019, 125, 49-54.	2.6	41
8	Brain network analysis of EEG functional connectivity during imagery hand movements. Journal of Integrative Neuroscience, 2013, 12, 441-447.	0.8	36
9	A comparison between power spectral density and network metrics: An EEG study. Biomedical Signal Processing and Control, 2020, 57, 101760.	3.5	35
10	EEG functional network topology is associated with disability in patients with amyotrophic lateral sclerosis. Scientific Reports, 2016, 6, 38653.	1.6	30
11	Fusion of physiological measures for multimodal biometric systems. Multimedia Tools and Applications, 2017, 76, 4835-4847.	2.6	30
12	"Physiological" renal regenerating medicine in VLBW preterm infants: could a dream come true?. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 41-48.	0.7	29
13	Minimum spanning tree and k-core decomposition as measure of subject-specific EEG traits. Biomedical Physics and Engineering Express, 2016, 2, 017001.	0.6	29
14	CINtec PLUS Immunocytochemistry as a Tool for the Cytologic Diagnosis of Glandular Lesions of the Cervix Uteri. American Journal of Clinical Pathology, 2012, 138, 652-656.	0.4	24
15	Exploring the Correlation Between M/EEG Source–Space and fMRI Networks at Rest. Brain Topography, 2020, 33, 151-160.	0.8	22
16	Changes in MEG resting-state networks are related to cognitive decline in type 1 diabetes mellitus patients. NeuroImage: Clinical, 2014, 5, 69-76.	1.4	19
17	Resting-state MEG measurement of functional activation as a biomarker for cognitive decline in MS. Multiple Sclerosis Journal, 2019, 25, 1896-1906.	1.4	19
18	Sleep‐related hypermotor epilepsy and non‐rapid eye movement parasomnias: Differences in the periodic and aperiodic component of the electroencephalographic power spectra. Journal of Sleep Research, 2021, 30, e13339.	1.7	18

#	Article	IF	Citations
19	Performance Evaluation in Image Processing. Eurasip Journal on Advances in Signal Processing, 2006, 2006, 1.	1.0	14
20	Mammographic masses classification: novel and simple signal analysis method. Electronics Letters, 2011, 47, 14.	0.5	13
21	Functional brain connectivity analysis in amyotrophic lateral sclerosis: an EEG source-space study. Biomedical Physics and Engineering Express, 2018, 4, 037004.	0.6	12
22	Enhancement of shortening velocity, power, and acto–myosin crossbridge (CB) kinetics following long–term treatment with propionyl–L–carnitine, coenzyme Q_{10}, and omega–3 fatty acids in BIO TO–2 cardiomyopathic Syrian hamsters papillary muscle. BioFactors, 2010, 36, 229-239.	2.6	11
23	Subject, session and task effects on power, connectivity and network centrality: A source-based EEG study. Biomedical Signal Processing and Control, 2020, 59, 101891.	3.5	11
24	Experimental results on multi-modal fusion of EEG-based personal verification algorithms. , 2016, , .		10
25	EEG/ECG Signal Fusion Aimed at Biometric Recognition. Lecture Notes in Computer Science, 2015, , 35-42.	1.0	8
26	On the Variability of Functional Connectivity and Network Measures in Source-Reconstructed EEG Time-Series. Entropy, 2021, 23, 5.	1.1	7
27	Multiple organ failure syndrome in the newborn: morphological and immunohistochemical data. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 68-71.	0.7	6
28	PhysioUnicaDB: a dataset of EEG and ECG simultaneously acquired. Pattern Recognition Letters, 2019, 126, 119-122.	2.6	6
29	A metabolic approach to the treatment of dilated cardiomyopathy in BIO T0–2 cardiomyopathic Syrian hamsters. BioFactors, 2005, 25, 127-135.	2.6	5
30	EEG Fingerprints under Naturalistic Viewing Using a Portable Device. Sensors, 2020, 20, 6565.	2.1	4
31	Cortical and subcortical changes in resting-state neuronal activity and connectivity in early symptomatic ALS and advanced frontotemporal dementia. NeuroImage: Clinical, 2022, 34, 102965.	1.4	3
32	A wearable electronic system for EEG recording. , 2022, , .		3
33	Vasopressin excitatory action on smooth muscle from human renal calyx and pelvis. Pharmacological Research, 2004, 50, 617-622.	3.1	2
34	Equilibrium and dissipative structures role on images. Pattern Recognition Letters, 2007, 28, 1865-1872.	2.6	2
35	Scorepochs: A Computer-Aided Scoring Tool for Resting-State M/EEG Epochs. Sensors, 2022, 22, 2853.	2.1	2
36	Content image retrieval based on topological information. Journal of Visual Languages and Computing, 2004, 15, 347-359.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Reshaping cortical connectivity in traumatic spinal cord injury: a novel effect of hyperbaric oxygen therapy. Spinal Cord Series and Cases, 2021, 7, 80.	0.3	1
38	Personal Identity Verification by EEG-Based Network Representation on a Portable Device. Lecture Notes in Computer Science, 2019, , 164-171.	1.0	1