

Mario Tombini

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

4,292
citations

126907

33
h-index

123424

61
g-index

104
all docs

104
docs citations

104
times ranked

5487
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of brain plasticity in stroke: a novel model for neurorehabilitation. <i>Nature Reviews Neurology</i> , 2014, 10, 597-608.	10.1	644
2	Double nerve intraneural interface implant on a human amputee for robotic hand control. <i>Clinical Neurophysiology</i> , 2010, 121, 777-783.	1.5	367
3	Conversion from mild cognitive impairment to Alzheimer's disease is predicted by sources and coherence of brain electroencephalography rhythms. <i>Neuroscience</i> , 2006, 143, 793-803.	2.3	242
4	Slow Repetitive TMS for Drug-Resistant Epilepsy: Clinical and EEG Findings of a Placebo-Controlled Trial. <i>Epilepsia</i> , 2007, 48, 366-374.	5.1	150
5	Epilepsy Care in the Time of COVID-19 Pandemic in Italy: Risk Factors for Seizure Worsening. <i>Frontiers in Neurology</i> , 2020, 11, 737.	2.4	107
6	Anodal Transcranial Direct Current Stimulation Enhances Procedural Consolidation. <i>Journal of Neurophysiology</i> , 2010, 104, 1134-1140.	1.8	106
7	Resting EEG sources correlate with attentional span in mild cognitive impairment and Alzheimer's disease. <i>European Journal of Neuroscience</i> , 2007, 25, 3742-3757.	2.6	101
8	Inter-hemispheric coupling changes associate with motor improvements after robotic stroke rehabilitation. <i>Restorative Neurology and Neuroscience</i> , 2012, 30, 497-510.	0.7	90
9	Decoding of grasping information from neural signals recorded using peripheral intrafascicular interfaces. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2011, 8, 53.	4.6	89
10	Brain plasticity in recovery from stroke: An MEG assessment. <i>NeuroImage</i> , 2006, 32, 1326-1334.	4.2	84
11	Quantitative Analysis of Bradykinesia and Rigidity in Parkinson's Disease. <i>Frontiers in Neurology</i> , 2018, 9, 121.	2.4	75
12	Increasing Cortical Excitability: A Possible Explanation For The Proconvulsant Role Of Sleep Deprivation. <i>Sleep</i> , 2006, 29, 1595-1598.	1.1	73
13	Brain activity preceding a 2D manual catching task. <i>NeuroImage</i> , 2009, 47, 1735-1746.	4.2	72
14	Rhythmic brain activity at rest from rolandic areas in acute mono-hemispheric stroke: A magnetoencephalographic study. <i>NeuroImage</i> , 2005, 28, 72-83.	4.2	69
15	Oscillatory Activities in Neurological Disorders of Elderly: Biomarkers to Target for Neuromodulation. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 189.	3.4	65
16	Sleep-related changes in baroreflex sensitivity and cardiovascular autonomic modulation. <i>Journal of Hypertension</i> , 2003, 21, 1555-1561.	0.5	63
17	Alpha and beta EEG power reflects L-dopa acute administration in parkinsonian patients. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 302.	3.4	62
18	Baroreflex Buffering of Sympathetic Activation During Sleep. <i>Hypertension</i> , 2004, 43, 814-819.	2.7	61

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19	Free copper and resting temporal EEG rhythms correlate across healthy, mild cognitive impairment, and Alzheimer's disease subjects. <i>Clinical Neurophysiology</i> , 2007, 118, 1244-1260.	1.5	58
20	Outcome prediction in acute monohemispheric stroke via magnetoencephalography. <i>Journal of Neurology</i> , 2007, 254, 296-305.	3.6	53
21	Motor cortex excitability in Alzheimer's disease: a transcranial magnetic stimulation follow-up study. <i>Neuroscience Letters</i> , 2011, 492, 94-98.	2.1	52
22	Wakefulness delta waves increase after cortical plasticity induction. <i>Clinical Neurophysiology</i> , 2015, 126, 1221-1227.	1.5	48
23	Depressive symptoms and difficulties in emotion regulation in adult patients with epilepsy: Association with quality of life and stigma. <i>Epilepsy and Behavior</i> , 2020, 107, 107073.	1.7	48
24	Interhemispheric asymmetry of primary hand representation and recovery after stroke: A MEG study. <i>NeuroImage</i> , 2007, 36, 1057-1064.	4.2	47
25	Hyperhomocysteinemia, intima-media thickness and C677T MTHFR gene polymorphism: A correlation study in patients with cognitive impairment. <i>Atherosclerosis</i> , 2009, 206, 309-313.	0.8	46
26	Cathodal transcranial direct current stimulation reduces seizure frequency in adults with drug-resistant temporal lobe epilepsy: A sham controlled study. <i>Brain Stimulation</i> , 2017, 10, 333-335.	1.6	46
27	Hand cortical representation at rest and during activation: Gender and age effects in the two hemispheres. <i>Clinical Neurophysiology</i> , 2006, 117, 1518-1528.	1.5	43
28	Epilepsy-associated stigma from the perspective of people with epilepsy and the community in Italy. <i>Epilepsy and Behavior</i> , 2019, 98, 66-72.	1.7	40
29	Transcranial Magnetic Stimulation Studies in Alzheimer's Disease. <i>International Journal of Alzheimer's Disease</i> , 2011, 2011, 1-9.	2.0	38
30	Measuring the effects of first antiepileptic medication in Temporal Lobe Epilepsy: Predictive value of quantitative-EEG analysis. <i>Clinical Neurophysiology</i> , 2021, 132, 25-35.	1.5	38
31	Combined Analysis of Cortical (EEG) and Nerve Stump Signals Improves Robotic Hand Control. <i>Neurorehabilitation and Neural Repair</i> , 2012, 26, 275-281.	2.9	37
32	Slow Activity in Focal Epilepsy During Sleep and Wakefulness. <i>Clinical EEG and Neuroscience</i> , 2017, 48, 200-208.	1.7	37
33	Electroencephalography at the time of Covid-19 pandemic in Italy. <i>Neurological Sciences</i> , 2020, 41, 1999-2004.	1.9	36
34	Primary headache and epilepsy: A multicenter cross-sectional study. <i>Epilepsy and Behavior</i> , 2012, 23, 342-347.	1.7	35
35	The detection of neural autoantibodies in patients with antiepileptic drug-resistant epilepsy predicts response to immunotherapy. <i>European Journal of Neurology</i> , 2015, 22, 70-78.	3.3	35
36	Eslicarbazepine Acetate Modulates EEG Activity and Connectivity in Focal Epilepsy. <i>Frontiers in Neurology</i> , 2018, 9, 1054.	2.4	35

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37	Homocysteine and electroencephalographic rhythms in Alzheimer disease: A multicentric study. Neuroscience, 2007, 145, 942-954.	2.3	34
38	A neurally-interfaced hand prosthesis tuned inter-hemispheric communication. Restorative Neurology and Neuroscience, 2012, 30, 407-418.	0.7	34
39	Topiramate: effect on EEG interictal abnormalities and background activity in patients affected by focal epilepsy. Epilepsy Research, 2004, 58, 43-52.	1.6	33
40	Long-term effects of stroke on neuronal rest activity in rolandic cortical areas. Journal of Neuroscience Research, 2006, 83, 1077-1087.	2.9	33
41	Mobile phone emission increases inter-hemispheric functional coupling of electroencephalographic alpha rhythms in epileptic patients. International Journal of Psychophysiology, 2012, 84, 164-171.	1.0	33
42	Epilepsy and quality of life: what does really matter?. Neurological Sciences, 2021, 42, 3757-3765.	1.9	33
43	Inflammation and iron metabolism in adult patients with epilepsy: Does a link exist?. Epilepsy Research, 2013, 107, 244-252.	1.6	32
44	Transient epileptic and global amnesia: Real-life differential diagnosis. Epilepsy and Behavior, 2018, 88, 205-211.	1.7	30
45	Extrauterine maturation of somatosensory pathways in preterm infants: A somatosensory evoked potential study. Clinical Neurophysiology, 2009, 120, 783-789.	1.5	29
46	Temporal Lobe Epilepsy and Alzheimer's Disease: From Preclinical to Clinical Evidence of a Strong Association. Journal of Alzheimer's Disease Reports, 2021, 5, 243-261.	2.2	29
47	Mobile Phone Emissions Modulate Brain Excitability in Patients with Focal Epilepsy. Brain Stimulation, 2013, 6, 448-454.	1.6	28
48	Prospects of brain-machine interfaces for space system control. Acta Astronautica, 2009, 64, 448-456.	3.2	27
49	Invasive neural interfaces: the perspective of the surgeon. Journal of Surgical Research, 2014, 188, 77-87.	1.6	27
50	Transcutaneous and invasive vagal nerve stimulations engage the same neural pathways: In-vivo human evidence. Brain Stimulation, 2017, 10, 853-854.	1.6	27
51	Increased Alpha Band Functional Connectivity Following the Quadrato Motor Training: A Longitudinal Study. Frontiers in Human Neuroscience, 2017, 11, 282.	2.0	27
52	Temporal lobe epileptic activity mimicking dementia: a case report. European Journal of Neurology, 2005, 12, 805-806.	3.3	25
53	PDMeter: A Wrist Wearable Device for an at-Home Assessment of the Parkinson's Disease Rigidity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2020, 28, 1325-1333.	4.9	24
54	Transcutaneous Vagus Nerve Stimulation Modulates EEG Microstates and Delta Activity in Healthy Subjects. Brain Sciences, 2020, 10, 668.	2.3	24

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55	Delta dipole density and strength in acute monohemispheric stroke. <i>Neuroscience Letters</i> , 2007, 416, 310-314.	2.1	23
56	Nutritional Status of Patients with Alzheimer's Disease and Their Caregivers. <i>Journal of Alzheimer's Disease</i> , 2016, 54, 1619-1627.	2.6	23
57	Calcium metabolism serum markers in adult patients with epilepsy and the effect of vitamin D supplementation on seizure control. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2018, 58, 75-81.	2.0	20
58	Clinical utility of home videos for diagnosing epileptic seizures: a systematic review and practical recommendations for optimal and safe recording. <i>Neurological Sciences</i> , 2021, 42, 1301-1309.	1.9	20
59	Bilateral frontal polymicrogyria and epilepsy in a patient with Turner mosaicism: a case report. <i>Journal of the Neurological Sciences</i> , 2003, 213, 83-86.	0.6	19
60	Does an intraneural interface short-term implant for robotic hand control modulate sensorimotor cortical integration? An EEG-TMS co-registration study on a human amputee. <i>Restorative Neurology and Neuroscience</i> , 2014, 32, 281-292.	0.7	19
61	The effects of antiepileptic drugs on high-frequency oscillations in somatosensory evoked potentials. <i>Clinical Neurophysiology</i> , 2020, 131, 1917-1924.	1.5	18
62	Thalamic and cortical hyperexcitability in juvenile myoclonic epilepsy. <i>Clinical Neurophysiology</i> , 2020, 131, 2041-2046.	1.5	18
63	Perampanel Improves Cortical Myoclonus and Disability in Progressive Myoclonic Epilepsies: A Case Series and a Systematic Review of the Literature. <i>Frontiers in Neurology</i> , 2021, 12, 630366.	2.4	17
64	The effect of Perampanel on EEG spectral power and connectivity in patients with focal epilepsy. <i>Clinical Neurophysiology</i> , 2021, 132, 2176-2183.	1.5	17
65	Thalamo-cortical network dysfunction in temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2020, 131, 548-554.	1.5	16
66	Machine learning for predicting levetiracetam treatment response in temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2021, 132, 3035-3042.	1.5	15
67	Hyperventilation induces sympathetic overactivation in mesial temporal epilepsy. <i>Epilepsy Research</i> , 2015, 110, 221-227.	1.6	14
68	Transient Athetosis Induced by Tiagabine. <i>Epilepsia</i> , 2006, 47, 799-800.	5.1	13
69	Effects of the noncompetitive AMPA receptor antagonist perampanel on thalamo-cortical excitability: A study of high-frequency oscillations in somatosensory evoked potentials. <i>Clinical Neurophysiology</i> , 2021, 132, 1049-1056.	1.5	13
70	Prospective clinical trials to investigate clinical and molecular biomarkers. <i>Epilepsia</i> , 2017, 58, 20-26.	5.1	12
71	Climpsing the Impact of COVID19 Lock-Down on People With Epilepsy: A Text Mining Approach. <i>Frontiers in Neurology</i> , 2020, 11, 870.	2.4	12
72	Intrafascicular thin-film multichannel electrodes for sensory feedback: Evidences on a human amputee. , 2010, 2010, 1800-3.		11

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73	Overview of the implant of intraneural multielectrodes in human for controlling a 5-fingered hand prosthesis, delivering sensorial feedback and producing rehabilitative neuroplasticity. , 2012, , .		11
74	Antidepressant effect of vagal nerve stimulation in epilepsy patients: a systematic review. Neurological Sciences, 2020, 41, 3075-3084.	1.9	11
75	Zonisamide for seizures in Parkinson's disease with dementia. Seizure: the Journal of the British Epilepsy Association, 2013, 22, 324-325.	2.0	10
76	A novel c132â€134del mutation in Unverrichtâ€Lundborg disease and the review of literature of heterozygous compound patients. Epilepsia, 2017, 58, e31-e35.	5.1	10
77	The ROME (Retrospective Observational Multicenter study on Eslicarbazepine) study: Efficacy and behavioural effects of Eslicarbazepine acetate as adjunctive therapy for adults with partial onset seizures in real life. Seizure: the Journal of the British Epilepsy Association, 2018, 58, 35-40.	2.0	10
78	Dynamic Susceptibility Contrast (DSC) MRI and Interictal Epileptiform Activity in Cryptogenic Partial Epilepsy. Epilepsia, 2002, 43, 1515-1521.	5.1	9
79	Feature Extraction in Sit-to-Stand Task Using M-IMU Sensors and Evaluatiton in Parkinson's Disease. , 2018, , .		9
80	Alexithymia and emotion dysregulation in adult patients with epilepsy. Epilepsy and Behavior, 2020, 113, 107537.	1.7	9
81	De novo multifocal myoclonus induced by lamotrigine in a temporal lobe epilepsy case. Journal of the Neurological Sciences, 2017, 373, 31-32.	0.6	8
82	Ictal Asystole in Drug-Resistant Focal Epilepsy: Two Decades of Experience from an Epilepsy Monitoring Unit. Brain Sciences, 2020, 10, 443.	2.3	8
83	Metronidazole Encephalopathy EEG Features: A Case Report with Systematic Review of the Literature. Brain Sciences, 2020, 10, 227.	2.3	8
84	Complex visual hallucinations after occipital extrastriate ischemic stroke. Cortex, 2012, 48, 774-777.	2.4	7
85	Power Spectral Differences between Transient Epileptic and Global Amnesia: An eLORETA Quantitative EEG Study. Brain Sciences, 2020, 10, 613.	2.3	7
86	Levetiracetam, lamotrigine and carbamazepine: which monotherapy during pregnancy?. Neurological Sciences, 2022, 43, 1993-2001.	1.9	7
87	Osteomalacic myopathy: An uncommon side effect of antiepileptic drugs. Muscle and Nerve, 2013, 48, 837-838.	2.2	6
88	Complex epileptic palilalia: A case report. Seizure: the Journal of the British Epilepsy Association, 2012, 21, 655-657.	2.0	5
89	Progressive post-traumatic myelopathy presenting with magnetic resonance imaging snake-eye appearance. Spine Journal, 2013, 13, 830.	1.3	4
90	Brivaracetam as add-on treatment in patients with post-stroke epilepsy: real-world data from the BRIVAracetam add-on First Italian netwoRk Study (BRIVAFIRST). Seizure: the Journal of the British Epilepsy Association, 2022, 97, 37-42.	2.0	4

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91	Dengue encephalitis presenting with nonconvulsive status epilepticus: A case report. Clinical Neurology and Neurosurgery, 2016, 150, 89-91.	1.4	3
92	Understanding and managing the impact of the COVID-19 pandemic and lockdown on patients with epilepsy. Expert Review of Neurotherapeutics, 2022, 22, 145-153.	2.8	3
93	Prevalence and clinical characteristics of postictal psychiatric symptoms in partial epilepsy. Neurology, 2004, 63, 1542-1543.	1.1	2
94	Spinal Cord Impairment in Anti-Mag Neuropathy: Evidence from Somatosensory Evoked Potentials. Brain Sciences, 2020, 10, 282.	2.3	1
95	An unusual case of loss of consciousness: when an epileptic brain let the heart slow down. Clinical Management Issues, 2012, 6, 15-19.	0.3	1
96	Medication adherence in people with epilepsy. Journal of the Neurological Sciences, 2021, 429, 119131.	0.6	1
97	Clinical Case Report: CORTICAL DYSPLASIA, TEMPORAL ATROPHY, MENTAL RETARDATION, DYSMORPHIC FACIES, AND PARTIAL EPILEPSY: AN EEG AND DYNAMIC SUSCEPTIBILITY CONTRAST (DSC) MRI STUDY IN A NEW POSSIBLE GENETIC SYNDROME. International Journal of Neuroscience, 2003, 113, 307-314.	1.6	0
98	Teaching NeuroImages: Sleep-related periodic breathing in acquired central sleep apnea. Neurology, 2018, 91, e1001-e1002.	1.1	0
99	Use of machine learning for predicting levetiracetam treatment outcome in temporal lobe epilepsy: A pharmaco-EEG study. Journal of the Neurological Sciences, 2021, 429, 117713.	0.6	0
100	Major determinants of quality of life in adult patients with epilepsy. Journal of the Neurological Sciences, 2021, 429, 117842.	0.6	0
101	A case of myoclonic status epilepticus in a patient with brain metastases: Role of dysfunction of the thalamus-cortical network and inhibition of the somatosensory cortex. Journal of the Neurological Sciences, 2021, 429, 119171.	0.6	0
102	The effects of antiepileptic drugs on high-frequency oscillations in somatosensory evoked potentials. Journal of the Neurological Sciences, 2021, 429, 119091.	0.6	0
103	Effects of the noncompetitive AMPA receptor antagonist perampanel on thalamo-cortical excitability: A study of high-frequency oscillations in somatosensory evoked potentials. Journal of the Neurological Sciences, 2021, 429, 119134.	0.6	0