

Pietro Avanzini

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,653
citations

489802

18
h-index

355658

38
g-index

55
all docs

55
docs citations

55
times ranked

2555
citing authors

#	ARTICLE	IF	CITATIONS
1	Melanopsin retinal ganglion cell loss in Alzheimer disease. <i>Annals of Neurology</i> , 2016, 79, 90-109.	2.8	299
2	Motor and emotional behaviours elicited by electrical stimulation of the human cingulate cortex. <i>Brain</i> , 2018, 141, 3035-3051.	3.7	176
3	The Dynamics of Sensorimotor Cortical Oscillations during the Observation of Hand Movements: An EEG Study. <i>PLoS ONE</i> , 2012, 7, e37534.	1.1	172
4	Mirth and laughter elicited by electrical stimulation of the human anterior cingulate cortex. <i>Cortex</i> , 2015, 71, 323-331.	1.1	96
5	Four-dimensional maps of the human somatosensory system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1936-43.	3.3	87
6	The visual system in eyelid myoclonia with absences. <i>Annals of Neurology</i> , 2014, 76, 412-427.	2.8	68
7	Perspective-dependent reactivity of sensorimotor mu rhythm in alpha and beta ranges during action observation: an EEG study. <i>Scientific Reports</i> , 2018, 8, 12429.	1.6	55
8	Spatiotemporal dynamics during processing of abstract and concrete verbs: An ERP study. <i>Neuropsychologia</i> , 2014, 61, 163-174.	0.7	50
9	Advances in human intracranial electroencephalography research, guidelines and good practices. <i>NeuroImage</i> , 2022, 260, 119438.	2.1	50
10	Photosensitive epilepsy is associated with reduced inhibition of alpha rhythm generating networks. <i>Brain</i> , 2017, 140, 981-997.	3.7	45
11	The role of mirror mechanism in the recovery, maintenance, and acquisition of motor abilities. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 127, 404-423.	2.9	40
12	Failure in Pantomime Action Execution Correlates with the Severity of Social Behavior Deficits in Children with Autism: A Praxis Study. <i>Journal of Autism and Developmental Disorders</i> , 2015, 45, 3085-3097.	1.7	33
13	Human cortical activity evoked by gaze shift observation: An intracranial EEG study. <i>Human Brain Mapping</i> , 2014, 35, 1515-1528.	1.9	31
14	A mirror mechanism for smiling in the anterior cingulate cortex.. <i>Emotion</i> , 2017, 17, 187-190.	1.5	30
15	Mirroring other's laughter. Cingulate, opercular and temporal contributions to laughter expression and observation. <i>Cortex</i> , 2020, 128, 35-48.	1.1	26
16	Causality within the Epileptic Network: An EEG-fMRI Study Validated by Intracranial EEG. <i>Frontiers in Neurology</i> , 2013, 4, 185.	1.1	24
17	Low frequency mu-like activity characterizes cortical rhythms in epilepsy due to ring chromosome 20. <i>Clinical Neurophysiology</i> , 2014, 125, 239-249.	0.7	21
18	Centrottemporal spikes during NREM sleep: The promoting action of thalamus revealed by simultaneous EEG and fMRI coregistration. <i>Epilepsy & Behavior Case Reports</i> , 2013, 1, 106-109.	1.5	20

#	ARTICLE	IF	CITATIONS
19	Efficacy of a home-based platform for child-to-child interaction on hand motor function in unilateral cerebral palsy. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 1314-1322.	1.1	19
20	Electroencephalographic time-frequency patterns of braking and acceleration movement preparation in car driving simulation. <i>Brain Research</i> , 2019, 1716, 16-26.	1.1	18
21	Cognitive abilities in siblings of children with autism spectrum disorders. <i>Experimental Brain Research</i> , 2014, 232, 2381-2390.	0.7	17
22	Interaction Between Words and Symbolic Gestures as Revealed By N400. <i>Brain Topography</i> , 2015, 28, 591-605.	0.8	17
23	Epilepsy-related brain networks in ring chromosome 20 syndrome: An EEG-fMRI study. <i>Epilepsia</i> , 2014, 55, 403-413.	2.6	15
24	From meaning to categorization: The hierarchical recruitment of brain circuits selective for action verbs. <i>Cortex</i> , 2018, 100, 95-110.	1.1	15
25	Ipsilateral somatosensory responses in humans: the tonic activity of SII and posterior insular cortex. <i>Brain Structure and Function</i> , 2019, 224, 9-18.	1.2	15
26	Observer-Agent Kinematic Similarity Facilitates Action Intention Decoding. <i>Scientific Reports</i> , 2020, 10, 2605.	1.6	15
27	Sequencing Biological and Physical Events Affects Specific Frequency Bands within the Human Premotor Cortex: An Intracerebral EEG Study. <i>PLoS ONE</i> , 2014, 9, e86384.	1.1	14
28	Human stereoEEG recordings reveal network dynamics of decision-making in a rule-switching task. <i>Nature Communications</i> , 2020, 11, 3075.	5.8	13
29	Association Between Semiology and Anatomic-functional Localization in Patients With Cingulate Epilepsy. <i>Neurology</i> , 2022, 98, .	1.5	13
30	Ictal involvement of the nigrostriatal system in subtle seizures of ring chromosome 20 epilepsy. <i>Epilepsia</i> , 2012, 53, e156-60.	2.6	12
31	Spatiotemporal dynamics in understanding hand-object interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15878-15885.	3.3	12
32	Action execution and action observation elicit mirror responses with the same temporal profile in human SII. <i>Communications Biology</i> , 2020, 3, 80.	2.0	12
33	System neuroscience: Past, present, and future. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 685-693.	1.9	12
34	Observation of others' actions during limb immobilization prevents the subsequent decay of motor performance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	12
35	Intracranial time-frequency correlates of seizure-related negative BOLD response in the sensory-motor network. <i>Clinical Neurophysiology</i> , 2015, 126, 847-849.	0.7	10
36	Extrastriate visual cortex in idiopathic occipital epilepsies: The contribution of retinotopic areas to spike generation. <i>Epilepsia</i> , 2016, 57, 896-906.	2.6	10

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37	The Proactive Synergy Between Action Observation and Execution in the Acquisition of New Motor Skills. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 793849.	1.0	9
38	Tonic somatosensory responses and deficits of tactile awareness converge in the parietal operculum. <i>Brain</i> , 2021, 144, 3779-3787.	3.7	8
39	Robust anticipation of continuous steering actions from electroencephalographic data during simulated driving. <i>Scientific Reports</i> , 2021, 11, 23383.	1.6	8
40	How action selection can be embodied: intracranial gamma band recording shows response competition during the Eriksen flankers test. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 668.	1.0	7
41	Rapid and specific processing of person-related information in human anterior temporal lobe. <i>Communications Biology</i> , 2019, 2, 5.	2.0	7
42	Quantitative EEG analysis in Encephalopathy related to Status Epilepticus during slow Sleep. <i>Epileptic Disorders</i> , 2019, 21, 31-40.	0.7	7
43	Characterization of network structure in stereoEEG data using consensus-based partial coherence. <i>NeuroImage</i> , 2018, 179, 385-402.	2.1	6
44	Alpha and Beta EEG Desynchronizations Anticipate Steering Actions in a Driving Simulation Experiment. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 260-265.	0.5	5
45	The relationship between pantomime execution and recognition across typically developing and autistic children. <i>Research in Autism Spectrum Disorders</i> , 2019, 61, 22-32.	0.8	4
46	Validation of a Novel Wearable Multistream Data Acquisition and Analysis System for Ergonomic Studies. <i>Sensors</i> , 2021, 21, 8167.	2.1	4
47	EEG-EMG coupling as a hybrid method for steering detection in car driving settings. <i>Cognitive Neurodynamics</i> , 2022, 16, 987-1002.	2.3	3
48	Tracing in vivo the dorsal loop of the optic radiation: convergent perspectives from tractography and electrophysiology compared to a neuroanatomical ground truth. <i>Brain Structure and Function</i> , 2022, 227, 1357-1370.	1.2	2
49	La Recherche du Temps Perdu: Timing in Somatosensation. Commentary: Somatosensation in the Brain: A Theoretical Re-evaluation and a New Model. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 597755.	1.2	1
50	Perspective-dependent activation of frontoparietal circuits during the observation of a static body effector. <i>Brain Research</i> , 2021, 1769, 147604.	1.1	1
51	A Repertoire of Virtual-Reality, Occupational Therapy Exercises for Motor Rehabilitation Based on Action Observation. <i>Data</i> , 2022, 7, 9.	1.2	1
52	Widening the horizon of neonatal neurophysiology. <i>Clinical Neurophysiology</i> , 2012, 123, 1475-1476.	0.7	0