## Pietro Avanzini

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2093879/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Melanopsin retinal ganglion cell loss in <scp>A</scp> lzheimer disease. Annals of Neurology, 2016, 79, 90-109.	5.3	299
2	Motor and emotional behaviours elicited by electrical stimulation of the human cingulate cortex. Brain, 2018, 141, 3035-3051.	7.6	176
3	The Dynamics of Sensorimotor Cortical Oscillations during the Observation of Hand Movements: An EEG Study. PLoS ONE, 2012, 7, e37534.	2.5	172
4	Mirth and laughter elicited by electrical stimulation of the human anterior cingulate cortex. Cortex, 2015, 71, 323-331.	2.4	96
5	Four-dimensional maps of the human somatosensory system. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1936-43.	7.1	87
6	The visual system in eyelid myoclonia with absences. Annals of Neurology, 2014, 76, 412-427.	5.3	68
7	Perspective-dependent reactivity of sensorimotor mu rhythm in alpha and beta ranges during action observation: an EEG study. Scientific Reports, 2018, 8, 12429.	3.3	55
8	Spatiotemporal dynamics during processing of abstract and concrete verbs: An ERP study. Neuropsychologia, 2014, 61, 163-174.	1.6	50
9	Advances in human intracranial electroencephalography research, guidelines and good practices. Neurolmage, 2022, 260, 119438.	4.2	50
10	Photosensitive epilepsy is associated with reduced inhibition of alpha rhythm generating networks. Brain, 2017, 140, 981-997.	7.6	45
11	The role of mirror mechanism in the recovery, maintenance, and acquisition of motor abilities. Neuroscience and Biobehavioral Reviews, 2021, 127, 404-423.	6.1	40
12	Failure in Pantomime Action Execution Correlates with the Severity of Social Behavior Deficits in Children with Autism: A Praxis Study. Journal of Autism and Developmental Disorders, 2015, 45, 3085-3097.	2.7	33
13	Human cortical activity evoked by gaze shift observation: An intracranial EEG study. Human Brain Mapping, 2014, 35, 1515-1528.	3.6	31
14	A mirror mechanism for smiling in the anterior cingulate cortex Emotion, 2017, 17, 187-190.	1.8	30
15	Mirroring other's laughter. Cingulate, opercular and temporal contributions to laughter expression and observation. Cortex, 2020, 128, 35-48.	2.4	26
16	Causality within the Epileptic Network: An EEG-fMRI Study Validated by Intracranial EEG. Frontiers in Neurology, 2013, 4, 185.	2.4	24
17	Low frequency mu-like activity characterizes cortical rhythms in epilepsy due to ring chromosome 20. Clinical Neurophysiology, 2014, 125, 239-249.	1.5	21
18	Centrotemporal spikes during NREM sleep: The promoting action of thalamus revealed by simultaneous EEG and fMRI coregistration. Epilepsy & Behavior Case Reports, 2013, 1, 106-109.	1.5	20

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19	Efficacy of a homeâ€based platform for childâ€ŧoâ€ɛhild interaction on hand motor function in unilateral cerebral palsy. Developmental Medicine and Child Neurology, 2019, 61, 1314-1322.	2.1	19
20	Electroencephalographic time-frequency patterns of braking and acceleration movement preparation in car driving simulation. Brain Research, 2019, 1716, 16-26.	2.2	18
21	Cognitive abilities in siblings of children with autism spectrum disorders. Experimental Brain Research, 2014, 232, 2381-2390.	1.5	17
22	Interaction Between Words and Symbolic Gestures as Revealed By N400. Brain Topography, 2015, 28, 591-605.	1.8	17
23	Epilepsyâ€related brain networks in ring chromosome 20 syndrome: An EEGâ€ <scp>fMRI</scp> study. Epilepsia, 2014, 55, 403-413.	5.1	15
24	From meaning to categorization: The hierarchical recruitment of brain circuits selective for action verbs. Cortex, 2018, 100, 95-110.	2.4	15
25	Ipsilateral somatosensory responses in humans: the tonic activity of SII and posterior insular cortex. Brain Structure and Function, 2019, 224, 9-18.	2.3	15
26	Observer-Agent Kinematic Similarity Facilitates Action Intention Decoding. Scientific Reports, 2020, 10, 2605.	3.3	15
27	Sequencing Biological and Physical Events Affects Specific Frequency Bands within the Human Premotor Cortex: An Intracerebral EEG Study. PLoS ONE, 2014, 9, e86384.	2.5	14
28	Human stereoEEG recordings reveal network dynamics of decision-making in a rule-switching task. Nature Communications, 2020, 11, 3075.	12.8	13
29	Association Between Semiology and Anatomo-functional Localization in Patients With Cingulate Epilepsy. Neurology, 2022, 98, .	1.1	13
30	lctal involvement of the nigrostriatal system in subtle seizures of ring chromosome 20 epilepsy. Epilepsia, 2012, 53, e156-60.	5.1	12
31	Spatiotemporal dynamics in understanding hand—object interactions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15878-15885.	7.1	12
32	Action execution and action observation elicit mirror responses with the same temporal profile in human SII. Communications Biology, 2020, 3, 80.	4.4	12
33	System neuroscience: Past, present, and future. CNS Neuroscience and Therapeutics, 2018, 24, 685-693.	3.9	12
34	Observation of others' actions during limb immobilization prevents the subsequent decay of motor performance. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	12
35	Intracranial time–frequency correlates of seizure-related negative BOLD response in the sensory-motor network. Clinical Neurophysiology, 2015, 126, 847-849.	1.5	10
36	Extrastriate visual cortex in idiopathic occipital epilepsies: The contribution of retinotopic areas to spike generation. Epilepsia, 2016, 57, 896-906.	5.1	10

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37	The Proactive Synergy Between Action Observation and Execution in the Acquisition of New Motor Skills. Frontiers in Human Neuroscience, 2022, 16, 793849.	2.0	9
38	Tonic somatosensory responses and deficits of tactile awareness converge in the parietal operculum. Brain, 2021, 144, 3779-3787.	7.6	8
39	Robust anticipation of continuous steering actions from electroencephalographic data during simulated driving. Scientific Reports, 2021, 11, 23383.	3.3	8
40	How action selection can be embodied: intracranial gamma band recording shows response competition during the Eriksen flankers test. Frontiers in Human Neuroscience, 2014, 8, 668.	2.0	7
41	Rapid and specific processing of person-related information in human anterior temporal lobe. Communications Biology, 2019, 2, 5.	4.4	7
42	Quantitative EEG analysis in Encephalopathy related to Status Epilepticus during slow Sleep. Epileptic Disorders, 2019, 21, 31-40.	1.3	7
43	Characterization of network structure in stereoEEG data using consensus-based partial coherence. NeuroImage, 2018, 179, 385-402.	4.2	6
44	Alpha and Beta EEG Desynchronizations Anticipate Steering Actions in a Driving Simulation Experiment. Advances in Intelligent Systems and Computing, 2020, , 260-265.	0.6	5
45	The relationship between pantomime execution and recognition across typically developing and autistic children. Research in Autism Spectrum Disorders, 2019, 61, 22-32.	1.5	4
46	Validation of a Novel Wearable Multistream Data Acquisition and Analysis System for Ergonomic Studies. Sensors, 2021, 21, 8167.	3.8	4
47	EEG–EMG coupling as a hybrid method for steering detection in car driving settings. Cognitive Neurodynamics, 2022, 16, 987-1002.	4.0	3
48	Tracing in vivo the dorsal loop of the optic radiation: convergent perspectives from tractography and electrophysiology compared to a neuroanatomical ground truth. Brain Structure and Function, 2022, 227, 1357-1370.	2.3	2
49	La Recherche du Temps Perdu: Timing in Somatosensation. Commentary: Somatosensation in the Brain: A Theoretical Re-evaluation and a New Model. Frontiers in Systems Neuroscience, 2020, 14, 597755.	2.5	1
50	Perspective-dependent activation of frontoparietal circuits during the observation of a static body effector. Brain Research, 2021, 1769, 147604.	2.2	1
51	A Repertoire of Virtual-Reality, Occupational Therapy Exercises for Motor Rehabilitation Based on Action Observation. Data, 2022, 7, 9.	2.3	1
52	Widening the horizon of neonatal neurophysiology. Clinical Neurophysiology, 2012, 123, 1475-1476.	1.5	0