

# Christos Papadelis

## List of Publications by Year in descending order

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Version: 2024-02-01

101  
papers

3,064  
citations

230014

27  
h-index

206121

51  
g-index

108  
all docs

108  
docs citations

108  
times ranked

4253  
citing authors

#	ARTICLE	IF	CITATIONS
1	Presurgical accuracy of dipole clustering in MRI-negative pediatric patients with epilepsy: Validation against intracranial EEG and resection. <i>Clinical Neurophysiology</i> , 2022, 141, 126-138.	0.7	23
2	Case Report: Laser Ablation Guided by State of the Art Source Imaging Ends an Adolescent's 16-Year Quest for Seizure Freedom. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 826139.	1.0	6
3	Novel User-Friendly Application for MRI Segmentation of Brain Resection following Epilepsy Surgery. <i>Diagnostics</i> , 2022, 12, 1017.	1.3	5
4	Mapping the brain basis of feelings, emotions and much more: A special issue focused on "The Human Affectome"™. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 137, 104672.	2.9	5
5	Virtual implantation using conventional scalp EEG delineates seizure onset and predicts surgical outcome in children with epilepsy. <i>Clinical Neurophysiology</i> , 2022, 139, 49-57.	0.7	3
6	Reply to "Added value of high-resolution electrical source imaging of ictal activity in children with structural focal epilepsy". <i>Clinical Neurophysiology</i> , 2022, , .	0.7	0
7	Protocol for multicentre comparison of interictal high-frequency oscillations as a predictor of seizure freedom. <i>Brain Communications</i> , 2022, 4, .	1.5	7
8	The neuroscience of positive emotions and affect: Implications for cultivating happiness and wellbeing. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 121, 220-249.	2.9	86
9	Clinical Correlation Advised: Measuring Functional Connectivity in PNES. <i>Epilepsy Currents</i> , 2021, 21, 30-32.	0.4	0
10	Succinic Semialdehyde Dehydrogenase Deficiency: Review of the Natural History Study. <i>Journal of Child Neurology</i> , 2021, 36, 1153-1161.	0.7	15
11	Atypical spatiotemporal activation of cerebellar lobules during emotional face processing in adolescents with autism. <i>Human Brain Mapping</i> , 2021, 42, 2099-2114.	1.9	6
12	Noninvasive Mapping of Ripple Onset Predicts Outcome in Epilepsy Surgery. <i>Annals of Neurology</i> , 2021, 89, 911-925.	2.8	29
13	Source imaging of seizure onset predicts surgical outcome in pediatric epilepsy. <i>Clinical Neurophysiology</i> , 2021, 132, 1622-1635.	0.7	15
14	Changes in the Functional Brain Network of Children Undergoing Repeated Epilepsy Surgery: An EEG Source Connectivity Study. <i>Diagnostics</i> , 2021, 11, 1234.	1.3	9
15	Localizing the Epileptogenic Zone with Novel Biomarkers. <i>Seminars in Pediatric Neurology</i> , 2021, 39, 100919.	1.0	11
16	Association between semiologic, autonomic, and electrographic seizure characteristics in children with generalized tonic-clonic seizures. <i>Epilepsy and Behavior</i> , 2021, 122, 108228.	0.9	4
17	Aberrant somatosensory phase synchronization in children with hemiplegic cerebral palsy. <i>Neuroscience Letters</i> , 2021, 762, 136169.	1.0	0
18	MEG systems for young children and recent developments of pediatric MEG. <i>Advances in Magnetic Resonance Technology and Applications</i> , 2021, 2, 329-342.	0.0	0

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19	Mapping Functional Connectivity of Epileptogenic Networks through Virtual Implantation. , 2021, 2021, 408-411.		4
20	Electric Source Imaging on Intracranial EEG Localizes Spatiotemporal Propagation of Interictal Spikes in Children with Epilepsy. , 2021, 2021, 2668-2671.		1
21	Mapping Propagation of Interictal Spikes, Ripples, and Fast Ripples in Intracranial EEG of Children with Refractory Epilepsy. , 2021, 2021, 194-197.		2
22	Photoplethysmographic evaluation of generalized tonic-clonic seizures. <i>Epilepsia</i> , 2020, 61, 1606-1616.	2.6	7
23	Editorial: Neurologic Correlates of Motor Function in Cerebral Palsy: Opportunities for Targeted Treatment. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 615397.	1.0	1
24	Photoplethysmography: A measure for the function of the autonomic nervous system in focal impaired awareness seizures. <i>Epilepsia</i> , 2020, 61, 1617-1626.	2.6	8
25	Pediatric Magnetoencephalography in Clinical Practice and Research. <i>Neuroimaging Clinics of North America</i> , 2020, 30, 239-248.	0.5	8
26	Scalp ripples as prognostic biomarkers of epileptogenicity in pediatric surgery. <i>Annals of Clinical and Translational Neurology</i> , 2020, 7, 329-342.	1.7	35
27	Ictal and interictal source imaging on intracranial EEG predicts epilepsy surgery outcome in children with focal cortical dysplasia. <i>Clinical Neurophysiology</i> , 2020, 131, 734-743.	0.7	26
28	Abnormal Nutritive Sucking as an Indicator of Neonatal Brain Injury. <i>Frontiers in Pediatrics</i> , 2020, 8, 599633.	0.9	14
29	Clinical Motor Mapping with Magnetoencephalography. , 2020, , 211-224.		0
30	Maturation of Corticospinal Tracts in Children With Hemiplegic Cerebral Palsy Assessed by Diffusion Tensor Imaging and Transcranial Magnetic Stimulation. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 254.	1.0	18
31	Nutritive sucking abnormalities and brain microstructural abnormalities in infants with established brain injury: a pilot study. <i>Journal of Perinatology</i> , 2019, 39, 1498-1508.	0.9	8
32	Alterations in the Structural and Functional Connectivity of the Visuomotor Network of Children With Periventricular Leukomalacia. <i>Seminars in Pediatric Neurology</i> , 2019, 31, 48-56.	1.0	9
33	The Emergence of Hierarchical Somatosensory Processing in Late Prematurity. <i>Cerebral Cortex</i> , 2019, 29, 2245-2260.	1.6	27
34	Assessing the localization accuracy and clinical utility of electric and magnetic source imaging in children with epilepsy. <i>Clinical Neurophysiology</i> , 2019, 130, 491-504.	0.7	62
35	Noninvasive Localization of High-Frequency Oscillations in Children with Epilepsy: Validation against Intracranial Gold-Standard. , 2019, 2019, 1555-1558.		10
36	Altered White Matter Connectivity Associated with Intergyrar Brain Disorganization in Hemiplegic Cerebral Palsy. <i>Neuroscience</i> , 2019, 399, 146-160.	1.1	9

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37	Magnetoencephalographic Spike Analysis in Patients With Focal Cortical Dysplasia: What Defines a "Dipole Cluster". <i>Pediatric Neurology</i> , 2018, 83, 25-31.	1.0	9
38	Neonatal brain resting-state functional connectivity imaging modalities. <i>Photoacoustics</i> , 2018, 10, 1-19.	4.4	56
39	Reorganization of the somatosensory cortex in hemiplegic cerebral palsy associated with impaired sensory tracts. <i>NeuroImage: Clinical</i> , 2018, 17, 198-212.	1.4	46
40	T161. Correlating magnetoencephalography (MEG) and high-density electroencephalography (EEG) with invasive recordings in pediatric patients undergoing epilepsy surgery. <i>Clinical Neurophysiology</i> , 2018, 129, e64-e65.	0.7	0
41	Surgical resection of ripple onset predicts outcome in pediatric epilepsy. <i>Annals of Neurology</i> , 2018, 84, 331-346.	2.8	51
42	Magnetoencephalographic Mapping of Epileptic Spike Population Using Distributed Source Analysis. <i>Journal of Clinical Neurophysiology</i> , 2018, 35, 339-345.	0.9	6
43	Mapping the Spatiotemporal Evolution of Emotional Processing: An MEG Study Across Arousal and Valence Dimensions. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 322.	1.0	11
44	Quantifying Neonatal Sucking Performance: Promise of New Methods. <i>Seminars in Speech and Language</i> , 2017, 38, 147-158.	0.5	17
45	Consensus Paper: Cerebellum and Emotion. <i>Cerebellum</i> , 2017, 16, 552-576.	1.4	393
46	Current and Emerging Potential of Magnetoencephalography in the Detection and Localization of High-Frequency Oscillations in Epilepsy. <i>Frontiers in Neurology</i> , 2017, 8, 14.	1.1	53
47	Inferior frontal gyrus links visual and motor cortices during a visuomotor precision grip force task. <i>Brain Research</i> , 2016, 1650, 252-266.	1.1	28
48	Interictal High Frequency Oscillations Detected with Simultaneous Magnetoencephalography and Electroencephalography as Biomarker of Pediatric Epilepsy. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	46
49	Real-time multi-channel monitoring of burst-suppression using neural network technology during pediatric status epilepticus treatment. <i>Clinical Neurophysiology</i> , 2016, 127, 2820-2831.	0.7	6
50	Magnetoencephalography for Clinical Pediatrics: Recent Advances in Hardware, Methods, and Clinical Applications. <i>Journal of Pediatric Epilepsy</i> , 2015, 04, 139-155.	0.1	14
51	Early integration of bilateral touch in the primary somatosensory cortex. <i>Human Brain Mapping</i> , 2015, 36, 1506-1523.	1.9	45
52	Editorial on emerging neuroimaging tools for studying normal and abnormal human brain development. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 127.	1.0	5
53	Autonomic Changes in Psychogenic Nonepileptic Seizures. <i>Clinical EEG and Neuroscience</i> , 2015, 46, 16-25.	0.9	27
54	Distinct cerebellar lobules process arousal, valence and their interaction in parallel following a temporal hierarchy. <i>NeuroImage</i> , 2015, 110, 149-161.	2.1	42

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55	Current and emerging potential for magnetoencephalography in pediatric epilepsy. <i>Journal of Pediatric Epilepsy</i> , 2015, 02, 073-085.	0.1	8
56	Localization of the Epileptogenic Foci in Tuberous Sclerosis Complex: A Pediatric Case Report. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 175.	1.0	26
57	Cortical Somatosensory Reorganization in Children with Spastic Cerebral Palsy: A Multimodal Neuroimaging Study. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 725.	1.0	90
58	Distinguishable neural correlates of verbs and nouns: A MEG study on homonyms. <i>Neuropsychologia</i> , 2014, 54, 87-97.	0.7	18
59	Amygdala responses to valence and its interaction by arousal revealed by MEG. <i>International Journal of Psychophysiology</i> , 2014, 93, 121-133.	0.5	31
60	Encoding Cortical Dynamics in Sparse Features. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 338.	1.0	7
61	Segregation of Emotional Function in Subcortical Structures: MEG Evidence. <i>IFMBE Proceedings</i> , 2014, , 403-406.	0.2	0
62	An MEG compatible system for measuring skin conductance responses. <i>Journal of Neuroscience Methods</i> , 2013, 212, 114-123.	1.3	2
63	Using Brain Waves to Control Computers and Machines. <i>Advances in Human-Computer Interaction</i> , 2013, 2013, 1-2.	1.8	7
64	The effect of inebriation on human brain functional connectivity. <i>International Journal of Psychophysiology</i> , 2012, 85, 388-389.	0.5	0
65	Can magnetoencephalography track the afferent information flow along white matter thalamo-cortical fibers?. <i>NeuroImage</i> , 2012, 60, 1092-1105.	2.1	39
66	Alcohol Affects the Brain's Resting-State Network in Social Drinkers. <i>PLoS ONE</i> , 2012, 7, e48641.	1.1	31
67	How does the metric choice affect brain functional connectivity networks?. <i>Biomedical Signal Processing and Control</i> , 2012, 7, 228-236.	3.5	26
68	Multivariate EEG spectral analysis evidences the functional link between motor and visual cortex during integrative sensorimotor tasks. <i>Biomedical Signal Processing and Control</i> , 2012, 7, 221-227.	3.5	15
69	Introduction to the special issue on "neurosignal processing for engineering and computing: The MEDICON conference case" selected papers from MEDICON 2010. <i>Biomedical Signal Processing and Control</i> , 2012, 7, 213-214.	3.5	0
70	BA3b and BA1 activate in a serial fashion after median nerve stimulation: Direct evidence from combining source analysis of evoked fields and cytoarchitectonic probabilistic maps. <i>NeuroImage</i> , 2011, 54, 60-73.	2.1	52
71	REG-ICA: A hybrid methodology combining Blind Source Separation and regression techniques for the rejection of ocular artifacts. <i>Biomedical Signal Processing and Control</i> , 2011, 6, 291-300.	3.5	140
72	Are Females More Responsive to Emotional Stimuli? A Neurophysiological Study Across Arousal and Valence Dimensions. <i>Brain Topography</i> , 2010, 23, 27-40.	0.8	223

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73	On the Classification of Emotional Biosignals Evoked While Viewing Affective Pictures: An Integrated Data-Mining-Based Approach for Healthcare Applications. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 309-318.	3.6	136
74	Toward Emotion Aware Computing: An Integrated Approach Using Multichannel Neurophysiological Recordings and Affective Visual Stimuli. IEEE Transactions on Information Technology in Biomedicine, 2010, 14, 589-597.	3.6	197
75	The Neural Correlates of Morphosyntactic Processes: A MEG Study of Noun and Verb Homophones. Procedia, Social and Behavioral Sciences, 2010, 6, 94-95.	0.5	0
76	Small-world properties of brain Functional Connectivity Networks are affected by emotional stimuli. , 2010, , .		2
77	Detecting nonlinear causal interactions between dynamical systems by non-uniform embedding of multiple time series. , 2010, 2010, 102-5.		5
78	A Kurtosis-Based Automatic System Using Naïve Bayesian Classifier to Identify ICA Components Contaminated by EOG or ECG Artifacts. IFMBE Proceedings, 2010, , 49-52.	0.2	7
79	Neuroimaging of emotional activation: Issues on Experimental Methodology, Analysis and Statistics. IFMBE Proceedings, 2010, , 434-437.	0.2	0
80	Studying Brain Visuo-Tactile Integration through Cross-Spectral Analysis of Human MEG Recordings. IFMBE Proceedings, 2010, , 73-76.	0.2	2
81	Can the EEG Indicate the FiO2 Flow of a Mechanical Ventilator in ICU Patients with Respiratory Failure?. IFMBE Proceedings, 2010, , 827-830.	0.2	0
82	REG-ICA: A new hybrid method for EOG Artifact Rejection. , 2009, , .		11
83	Cortical Reorganization after Damage to the Central Nervous System. Neuro-Ophthalmology, 2009, 33, 142-148.	0.4	2
84	A Framework Combining Delta Event-Related Oscillations (EROs) and Synchronisation Effects (ERD/ERS) to Study Emotional Processing. Computational Intelligence and Neuroscience, 2009, 2009, 1-16.	1.1	53
85	MEG's ability to localise accurately weak transient neural sources. Clinical Neurophysiology, 2009, 120, 1958-1970.	0.7	60
86	The Removal Of Ocular Artifacts From EEG Signals: A Comparison of Performances For Different Methods. IFMBE Proceedings, 2009, , 1259-1263.	0.2	13
87	Towards emotion aware computing: A study of arousal modulation with multichannel event-related potentials, delta oscillatory activity and skin conductivity responses. , 2008, , .		8
88	An Intelligent Wearable Platform for Real Time Pilot's Health Telemonitoring. , 2008, , 777-784.		0
89	Insomnia Treatment Assessment Based on Physiological Data Analysis. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6695-7.	0.5	5
90	Effects of imagery training on cognitive performance and use of physiological measures as an assessment tool of mental effort. Brain and Cognition, 2007, 64, 74-85.	0.8	67

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91	Localization accuracy and temporal resolution of MEG: A phantom experiment. International Congress Series, 2007, 1300, 257-260.	0.2	5
92	The effect of hypobaric hypoxia on multichannel EEG signal complexity. Clinical Neurophysiology, 2007, 118, 31-52.	0.7	59
93	Monitoring sleepiness with on-board electrophysiological recordings for preventing sleep-deprived traffic accidents. Clinical Neurophysiology, 2007, 118, 1906-1922.	0.7	227
94	Quantitative multichannel EEG measure predicting the optimal weaning from ventilator in ICU patients with acute respiratory failure. Clinical Neurophysiology, 2006, 117, 752-770.	0.7	13
95	Indicators of Sleepiness in an ambulatory EEG study of night driving. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	4
96	Indicators of Sleepiness in an ambulatory EEG study of night driving. , 2006, 2006, 6201-4.		60
97	Nonlinear Signal Processing Techniques Applied to EEG Measurements. , 2006, , 324-338.		0
98	Affective computing in the era of contemporary neurophysiology and health informatics. Interacting With Computers, 2004, 16, 715-721.	1.0	31
99	Effects of mental workload and caffeine on catecholamines and blood pressure compared to performance variations. Brain and Cognition, 2003, 51, 143-154.	0.8	28
100	Maximum cognitive performance and physiological time trend measurements after caffeine intake. Cognitive Brain Research, 2002, 13, 407-415.	3.3	8
101	COMPARISON OF METHODS TO EVALUATE BRAIN ACTIVITY IN STRESSFUL SITUATIONS. Biomedizinische Technik, 2001, 46, 173-175.	0.9	0