

# Eduardo MartÃ-nez-Montes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5197315/publications.pdf>

Version: 2024-02-01

48  
papers

2,156  
citations

471509

17  
h-index

265206

42  
g-index

64  
all docs

64  
docs citations

64  
times ranked

3031  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decomposing EEG data into space–time–frequency components using Parallel Factor Analysis. <i>NeuroImage</i> , 2004, 22, 1035-1045.	4.2	359
2	Characterizing brain anatomical connections using diffusion weighted MRI and graph theory. <i>NeuroImage</i> , 2007, 36, 645-660.	4.2	322
3	Concurrent EEG/fMRI analysis by multiway Partial Least Squares. <i>NeuroImage</i> , 2004, 22, 1023-1034.	4.2	304
4	White matter architecture rather than cortical surface area correlates with the EEG alpha rhythm. <i>NeuroImage</i> , 2010, 49, 2328-2339.	4.2	159
5	Resting state basal ganglia network in idiopathic generalized epilepsy. <i>Human Brain Mapping</i> , 2012, 33, 1279-1294.	3.6	115
6	False discovery rate and permutation test: An evaluation in ERP data analysis. <i>Statistics in Medicine</i> , 2010, 29, 63-74.	1.6	106
7	Mother and Stranger: An Electrophysiological Study of Voice Processing in Newborns. <i>Cerebral Cortex</i> , 2011, 21, 1705-1711.	2.9	98
8	Glucose Metabolism during Resting State Reveals Abnormal Brain Networks Organization in the Alzheimer’s Disease and Mild Cognitive Impairment. <i>PLoS ONE</i> , 2013, 8, e68860.	2.5	98
9	Multichannel matching pursuit and EEG inverse solutions. <i>Journal of Neuroscience Methods</i> , 2005, 148, 49-59.	2.5	97
10	EEG source imaging with spatio-temporal tomographic nonnegative independent component analysis. <i>Human Brain Mapping</i> , 2009, 30, 1898-1910.	3.6	89
11	Hemispheric modulations of alpha-band power reflect the rightward shift in attention induced by enhanced attentional load. <i>Neuropsychologia</i> , 2009, 47, 41-49.	1.6	41
12	Electrophysiological study of auditory development. <i>Neuroscience</i> , 2009, 164, 1108-1118.	2.3	40
13	Functional Connectivity and Quantitative EEG in Women with Alcohol Use Disorders: A Resting-State Study. <i>Brain Topography</i> , 2016, 29, 368-381.	1.8	36
14	Exploring event-related brain dynamics with tests on complex valued time–frequency representations. <i>Statistics in Medicine</i> , 2008, 27, 2922-2947.	1.6	34
15	Comparison of source localization techniques in diffuse optical tomography for fNIRS application using a realistic head model. <i>Biomedical Optics Express</i> , 2018, 9, 2994.	2.9	27
16	Selective modulation of nociceptive processing due to noise distraction. <i>Pain</i> , 2008, 138, 630-640.	4.2	25
17	Spatio Temporal EEG Source Imaging with the Hierarchical Bayesian Elastic Net and Elitist Lasso Models. <i>Frontiers in Neuroscience</i> , 2017, 11, 635.	2.8	23
18	Musical expertise and foreign speech perception. <i>Frontiers in Systems Neuroscience</i> , 2013, 7, 84.	2.5	19

#	ARTICLE	IF	CITATIONS
19	Source Analysis of Alpha Rhythm Reactivity Using LORETA Imaging with 64-Channel EEG and Individual MRI. <i>Clinical EEG and Neuroscience</i> , 2009, 40, 150-156.	1.7	17
20	A comparison of methods for assessing alpha phase resetting in electrophysiology, with application to intracerebral EEG in visual areas. <i>NeuroImage</i> , 2011, 55, 67-86.	4.2	16
21	Time-frequency-space localization of epileptic EEG oscillations. <i>Acta Neurobiologiae Experimentalis</i> , 2005, 65, 435-42.	0.7	15
22	Identifying Complex Brain Networks Using Penalized Regression Methods. <i>Journal of Biological Physics</i> , 2008, 34, 315-323.	1.5	14
23	Maturation time course of the envelope following response to amplitude-modulated acoustic signals in rats. <i>International Journal of Audiology</i> , 2012, 51, 309-316.	1.7	13
24	Habituation of Auditory Steady State Responses Evoked by Amplitudemodulated Acoustic Signals in Rats. <i>Audiology Research</i> , 2015, 5, 113.	1.8	11
25	Subtle alterations in cerebrovascular reactivity in mild cognitive impairment detected by graph theoretical analysis and not by the standard approach. <i>NeuroImage: Clinical</i> , 2017, 15, 151-160.	2.7	8
26	Estimation of auditory steady-state responses based on the averaging of independent EEG epochs. <i>PLoS ONE</i> , 2019, 14, e0206018.	2.5	8
27	A Method for Tracking the Time Evolution of Steady-State Evoked Potentials. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	8
28	Inferring multiple maxima in intravoxel white matter fiber distribution. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 616-630.	3.0	7
29	LIONirs: flexible Matlab toolbox for fNIRS data analysis. <i>Journal of Neuroscience Methods</i> , 2022, 370, 109487.	2.5	7
30	Modeling functional resting-state brain networks through neural message passing on the human connectome. <i>Neural Networks</i> , 2020, 123, 52-69.	5.9	5
31	Neural processing of iterated prisoner's dilemma outcomes indicates next-round choice and speed to reciprocate cooperation. <i>Social Neuroscience</i> , 2021, 16, 103-120.	1.3	5
32	A zero-training algorithm for EEG single-trial classification applied to a face recognition ERP experiment. , 2010, 2010, 4209-12.		4
33	Numerical processing profiles in children with varying degrees of arithmetical achievement. <i>Acta Psychologica</i> , 2019, 198, 102849.	1.5	4
34	Comparison of Classifiers to Detect Epileptic Seizures via PARAFAC Decomposition. <i>IFMBE Proceedings</i> , 2015, , 500-503.	0.3	3
35	Editorial: Neuro-Education and Neuro-Rehabilitation. <i>Frontiers in Psychology</i> , 2016, 7, 1427.	2.1	2
36	Computing Sources of Epileptic Discharges Using the Novel BMA Approach. <i>Clinical EEG and Neuroscience</i> , 2013, 44, 3-15.	1.7	1

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37	Improving Electroencephalographic Source Localization of Epileptogenic Zones With Time-Frequency Analysis. <i>Clinical EEG and Neuroscience</i> , 2015, 46, 153-168.	1.7	1
38	Chirp Analyzer for Estimating Amplitude and Latency of Steady-State Auditory Envelope Following Responses. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2020, 28, 2744-2753.	4.9	1
39	Information Entropy-Based Penalty for PARAFAC Analysis of Resting EEG. , 2008, , 443-446.		1
40	EEG Pattern Recognition by Multidimensional Space-Time-Frequency Analysis. <i>IFMBE Proceedings</i> , 2013, , 1150-1153.	0.3	1
41	PARAFAC Analysis of Neural Correlates of Face Detection. , 2008, , 447-450.		0
42	More to Explore in Music Reading as a Cross-Modal Process: A Comment on Lee and Lei (2012). <i>Perceptual and Motor Skills</i> , 2013, 116, 736-740.	1.3	0
43	Modeling Transient Otoacoustic Emissions in children with hearing impairment. <i>IFMBE Proceedings</i> , 2017, , 189-192.	0.3	0
44	Workflow Engine: A Tool for Improving Reproducibility of EEG Processing Pipelines in CBRAIN. <i>International Journal of Psychophysiology</i> , 2021, 168, S199.	1.0	0
45	Sistema para el Registro y Procesamiento en Línea del EEG Sincronizando la Presentación de Estímulos con las Variaciones de los Niveles de Energía. <i>IFMBE Proceedings</i> , 2013, , 1118-1121.	0.3	0
46	MORE TO EXPLORE IN MUSIC READING AS A CROSS-MODAL PROCESS: A COMMENT ON LEE AND LEI (2012). <i>Perceptual and Motor Skills</i> , 0, , 130624075139005.	1.3	0
47	Evaluating Strategies for Improving the Detection of Auditory Steady-State Responses in the AUDIX System. <i>IFMBE Proceedings</i> , 2020, , 1079-1084.	0.3	0
48	Penalized Regression Methods in the Source Analysis of Face Recognition. , 2008, , 621-624.		0