

Eduardo MartÃ-nez-Montes

List of Publications by Year in descending order

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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 | LIONirs: flexible Matlab toolbox for fNIRS data analysis. <i>Journal of Neuroscience Methods</i> , 2022, 370, 109487. | 2.5 | 7 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Estimation of auditory steady-state responses based on the averaging of independent EEG epochs. <i>PLoS ONE</i> , 2019, 14, e0206018. | 2.5 | 8 |
| 8 | Numerical processing profiles in children with varying degrees of arithmetical achievement. <i>Acta Psychologica</i> , 2019, 198, 102849. | 1.5 | 4 |
| 9 | A Method for Tracking the Time Evolution of Steady-State Evoked Potentials. <i>Journal of Visualized Experiments</i> , 2019, , . | 0.3 | 8 |
| 10 | 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 |
| 11 | Modeling Transient Otoacoustic Emissions in children with hearing impairment. <i>IFMBE Proceedings</i> , 2017, , 189-192. | 0.3 | 0 |
| 12 | 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 |
| 13 | 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 |
| 14 | Editorial: Neuro-Education and Neuro-Rehabilitation. <i>Frontiers in Psychology</i> , 2016, 7, 1427. | 2.1 | 2 |
| 15 | 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 |
| 16 | Habituation of Auditory Steady State Responses Evoked by Amplitudemodulated Acoustic Signals in Rats. <i>Audiology Research</i> , 2015, 5, 113. | 1.8 | 11 |
| 17 | Comparison of Classifiers to Detect Epileptic Seizures via PARAFAC Decomposition. <i>IFMBE Proceedings</i> , 2015, , 500-503. | 0.3 | 3 |
| 18 | Improving Electroencephalographic Source Localization of Epileptogenic Zones With Time-Frequency Analysis. <i>Clinical EEG and Neuroscience</i> , 2015, 46, 153-168. | 1.7 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Computing Sources of Epileptic Discharges Using the Novel BMA Approach. <i>Clinical EEG and Neuroscience</i> , 2013, 44, 3-15. | 1.7 | 1 |
| 21 | 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 |
| 22 | Musical expertise and foreign speech perception. <i>Frontiers in Systems Neuroscience</i> , 2013, 7, 84. | 2.5 | 19 |
| 23 | EEG Pattern Recognition by Multidimensional Space-Time-Frequency Analysis. <i>IFMBE Proceedings</i> , 2013, , 1150-1153. | 0.3 | 1 |
| 24 | 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 |
| 25 | 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 |
| 26 | Resting state basal ganglia network in idiopathic generalized epilepsy. <i>Human Brain Mapping</i> , 2012, 33, 1279-1294. | 3.6 | 115 |
| 27 | 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 |
| 28 | Mother and Stranger: An Electrophysiological Study of Voice Processing in Newborns. <i>Cerebral Cortex</i> , 2011, 21, 1705-1711. | 2.9 | 98 |
| 29 | False discovery rate and permutation test: An evaluation in ERP data analysis. <i>Statistics in Medicine</i> , 2010, 29, 63-74. | 1.6 | 106 |
| 30 | A zero-training algorithm for EEG single-trial classification applied to a face recognition ERP experiment. , 2010, 2010, 4209-12. | | 4 |
| 31 | White matter architecture rather than cortical surface area correlates with the EEG alpha rhythm. <i>NeuroImage</i> , 2010, 49, 2328-2339. | 4.2 | 159 |
| 32 | 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 |
| 33 | 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 |
| 34 | EEG source imaging with spatio-temporal tomographic nonnegative independent component analysis. <i>Human Brain Mapping</i> , 2009, 30, 1898-1910. | 3.6 | 89 |
| 35 | Electrophysiological study of auditory development. <i>Neuroscience</i> , 2009, 164, 1108-1118. | 2.3 | 40 |
| 36 | Identifying Complex Brain Networks Using Penalized Regression Methods. <i>Journal of Biological Physics</i> , 2008, 34, 315-323. | 1.5 | 14 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | Inferring multiple maxima in intravoxel white matter fiber distribution. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 616-630. | 3.0 | 7 |
| 39 | Selective modulation of nociceptive processing due to noise distraction. <i>Pain</i> , 2008, 138, 630-640. | 4.2 | 25 |
| 40 | PARAFAC Analysis of Neural Correlates of Face Detection. , 2008, , 447-450. | | 0 |
| 41 | Information Entropy-Based Penalty for PARAFAC Analysis of Resting EEG. , 2008, , 443-446. | | 1 |
| 42 | Penalized Regression Methods in the Source Analysis of Face Recognition. , 2008, , 621-624. | | 0 |
| 43 | Characterizing brain anatomical connections using diffusion weighted MRI and graph theory. <i>NeuroImage</i> , 2007, 36, 645-660. | 4.2 | 322 |
| 44 | Multichannel matching pursuit and EEG inverse solutions. <i>Journal of Neuroscience Methods</i> , 2005, 148, 49-59. | 2.5 | 97 |
| 45 | Time-frequency-space localization of epileptic EEG oscillations. <i>Acta Neurobiologiae Experimentalis</i> , 2005, 65, 435-42. | 0.7 | 15 |
| 46 | Concurrent EEG/fMRI analysis by multiway Partial Least Squares. <i>NeuroImage</i> , 2004, 22, 1023-1034. | 4.2 | 304 |
| 47 | Decomposing EEG data into space-time-frequency components using Parallel Factor Analysis. <i>NeuroImage</i> , 2004, 22, 1035-1045. | 4.2 | 359 |
| 48 | MORE TO EXPLORE IN MUSIC READING AS A CROSS-MODAL PROCESS: A COMMENT ON LEE AND LEI (2012) ¹ . <i>Perceptual and Motor Skills</i> , 0, , 130624075139005. | 1.3 | 0 |