

Francisco BarcelÃ³

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

4,438
citations

172207

29
h-index

189595

50
g-index

55
all docs

55
docs citations

55
times ranked

5448
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | A Predictive Processing Account of Card Sorting: Fast Proactive and Reactive Frontoparietal Cortical Dynamics during Inference and Learning of Perceptual Categories. <i>Journal of Cognitive Neuroscience</i> , 2021, 33, 1636-1656. | 1.1 | 12 |
| 2 | Fast fronto-parietal cortical dynamics of conflict detection and context updating in a flanker task. <i>Cognitive Neurodynamics</i> , 2020, 14, 795-814. | 2.3 | 7 |
| 3 | Dynamic low frequency EEG phase synchronization patterns during proactive control of task switching. <i>NeuroImage</i> , 2019, 186, 70-82. | 2.1 | 33 |
| 4 | Multisubject Decomposition of Event-related Positivities in Cognitive Control: Tackling Age-related Changes in Reactive Control. <i>Brain Topography</i> , 2018, 31, 17-34. | 0.8 | 24 |
| 5 | An information theory account of late frontoparietal ERP positivities in cognitive control. <i>Psychophysiology</i> , 2018, 55, e12814. | 1.2 | 54 |
| 6 | Fast Neural Dynamics of Proactive Cognitive Control in a Task-Switching Analogue of the Wisconsin Card Sorting Test. <i>Brain Topography</i> , 2018, 31, 407-418. | 0.8 | 10 |
| 7 | Quantifying Contextual Information For Cognitive Control. <i>Frontiers in Psychology</i> , 2018, 9, 1693. | 1.1 | 11 |
| 8 | Functional Dissociation of Latency-Variable, Stimulus- and Response-Locked Target P3 Sub-components in Task-Switching. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 60. | 1.0 | 32 |
| 9 | Contextually sensitive power changes across multiple frequency bands underpin cognitive control. <i>NeuroImage</i> , 2016, 132, 499-511. | 2.1 | 75 |
| 10 | A taxonomy of fronto-parietal P3-like positivities based on information theoretic models of cognitive control. <i>International Journal of Psychophysiology</i> , 2016, 108, 53-54. | 0.5 | 0 |
| 11 | <scp>EEG</scp> delta oscillations index inhibitory control of contextual novelty to both irrelevant distracters and relevant taskâ€switch cues. <i>Psychophysiology</i> , 2014, 51, 658-672. | 1.2 | 33 |
| 12 | A diffusion model analysis of developmental changes in childrenâ€™s task switching. <i>Journal of Experimental Child Psychology</i> , 2014, 126, 178-197. | 0.7 | 18 |
| 13 | Where is the bilingual advantage in task-switching?. <i>Journal of Memory and Language</i> , 2013, 69, 257-276. | 1.1 | 122 |
| 14 | Bilinguals Use Language-Control Brain Areas More Than Monolinguals to Perform Non-Linguistic Switching Tasks. <i>PLoS ONE</i> , 2013, 8, e73028. | 1.1 | 53 |
| 15 | A latent variable approach to executive control in healthy ageing. <i>Brain and Cognition</i> , 2012, 78, 284-299. | 0.8 | 64 |
| 16 | The Effects of Foreknowledge and Task-Set Shifting as Mirrored in Cue- and Target-Locked Event-Related Potentials. <i>PLoS ONE</i> , 2012, 7, e49486. | 1.1 | 20 |
| 17 | COMT and ANKK1 geneâ€™gene interaction modulates contextual updating of mental representations. <i>NeuroImage</i> , 2011, 56, 1641-1647. | 2.1 | 26 |
| 18 | The time course of the asymmetrical â€localâ€™switch cost: Evidence from event-related potentials. <i>Biological Psychology</i> , 2011, 86, 210-218. | 1.1 | 18 |

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|----|---|-----|-----------|
| 19 | Impaired preparatory re-mapping of stimulus-response associations and rule-implementation in schizophrenic patientsâ€”The role for differences in early processing. <i>Biological Psychology</i> , 2011, 87, 358-365. | 1.1 | 15 |
| 20 | Why are auditory novels distracting? Contrasting the roles of novelty, violation of expectation and stimulus change. <i>Cognition</i> , 2011, 119, 374-380. | 1.1 | 111 |
| 21 | The role of DAT1 gene on the rapid detection of task novelty. <i>Neuropsychologia</i> , 2010, 48, 4136-4141. | 0.7 | 9 |
| 22 | The role of the dopamine transporter DAT1 genotype on the neural correlates of cognitive flexibility. <i>European Journal of Neuroscience</i> , 2010, 31, 754-760. | 1.2 | 58 |
| 23 | Individual differences in aging and cognitive control modulate the neural indexes of context updating and maintenance during task switching. <i>Cortex</i> , 2010, 46, 434-450. | 1.1 | 70 |
| 24 | Dynamic Neuroplasticity after Human Prefrontal Cortex Damage. <i>Neuron</i> , 2010, 68, 401-408. | 3.8 | 106 |
| 25 | The emotional consequences of being distracted. <i>Frontiers in Neuroscience</i> , 2009, 3, 6-7. | 1.4 | 2 |
| 26 | Construct validity of the Trail Making Test: Role of task-switching, working memory, inhibition/interference control, and visuomotor abilities. <i>Journal of the International Neuropsychological Society</i> , 2009, 15, 438-450. | 1.2 | 949 |
| 27 | Updating sensory versus task representations during task-switching: Insights from cognitive brain potentials in humans. <i>Neuropsychologia</i> , 2009, 47, 1160-1172. | 0.7 | 70 |
| 28 | The Wisconsin Card Sorting Test and the cognitive assessment of prefrontal executive functions: A critical update. <i>Brain and Cognition</i> , 2009, 71, 437-451. | 0.8 | 349 |
| 29 | Decreased brain coordinated activity in autism spectrum disorders during executive tasks: Reduced long-range synchronization in the fronto-parietal networks. <i>International Journal of Psychophysiology</i> , 2009, 73, 341-349. | 0.5 | 60 |
| 30 | Theoretical sequelae of a chronic neglect and unawareness of prefrontotectal pathways in the human brain. <i>Behavioral and Brain Sciences</i> , 2007, 30, 83-85. | 0.4 | 1 |
| 31 | An Information-Theoretical Approach to Contextual Processing in the Human Brain: Evidence from Prefrontal Lesions. <i>Cerebral Cortex</i> , 2007, 17, i51-i60. | 1.6 | 53 |
| 32 | Trail Making Test in traumatic brain injury, schizophrenia, and normal ageing: Sample comparisons and normative data. <i>Archives of Clinical Neuropsychology</i> , 2007, 22, 433-447. | 0.3 | 158 |
| 33 | An information theoretical approach to task-switching: evidence from cognitive brain potentials in humans. <i>Frontiers in Human Neuroscience</i> , 2007, 1, 13. | 1.0 | 46 |
| 34 | Task Switching and Novelty Processing Activate a Common Neural Network for Cognitive Control. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 1734-1748. | 1.1 | 221 |
| 35 | Temporal kinetics of prefrontal modulation of the extrastriate cortex during visual attention. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2004, 4, 609-617. | 1.0 | 42 |
| 36 | Spatiotemporal brain dynamics during preparatory set shifting: MEG evidence. <i>NeuroImage</i> , 2004, 21, 687-695. | 2.1 | 77 |

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|----|---|-----|-----------|
| 37 | The Madrid card sorting test (MCST): a task switching paradigm to study executive attention with event-related potentials. <i>Brain Research Protocols</i> , 2003, 11, 27-37. | 1.7 | 102 |
| 38 | Tidying up sensory stores with supraordinate representations. <i>Behavioral and Brain Sciences</i> , 2003, 26, 730-731. | 0.4 | 0 |
| 39 | Think differently: a brain orienting response to task novelty. <i>NeuroReport</i> , 2002, 13, 1887-1892. | 0.6 | 241 |
| 40 | Both random and perseverative errors underlie WCST deficits in prefrontal patients. <i>Neuropsychologia</i> , 2002, 40, 349-356. | 0.7 | 245 |
| 41 | Does the Wisconsin Card Sorting Test Measure Prefrontal Function?. <i>Spanish Journal of Psychology</i> , 2001, 4, 79-100. | 1.1 | 30 |
| 42 | Attentional set shifting modulates the target P3b Response in the Wisconsin card sorting test. <i>Neuropsychologia</i> , 2000, 38, 1342-1355. | 0.7 | 155 |
| 43 | Prefrontal modulation of visual processing in humans. <i>Nature Neuroscience</i> , 2000, 3, 399-403. | 7.1 | 403 |
| 44 | Electrophysiological evidence of two different types of error in the Wisconsin Card Sorting Test. <i>NeuroReport</i> , 1999, 10, 1299-1303. | 0.6 | 70 |
| 45 | Non-frontal P3b-like activity evoked by the Wisconsin Card Sorting Test. <i>NeuroReport</i> , 1998, 9, 747-751. | 0.6 | 35 |
| 46 | Electrophysiological measures of cognition in biological psychiatry: some cautionary notes. <i>International Journal of Neuroscience</i> , 1997, 92, 219-240. | 0.8 | 9 |
| 47 | Event-related potentials during memorization of spatial locations in the auditory and visual modalities. <i>Electroencephalography and Clinical Neurophysiology</i> , 1997, 103, 257-267. | 0.3 | 27 |
| 48 | The Wisconsin Card Sorting Test and the assessment of frontal function: A validation study with event-related potentials. <i>Neuropsychologia</i> , 1997, 35, 399-408. | 0.7 | 86 |
| 49 | Sources and topography of supramodal effects of spatial attention in ERP. <i>Brain Topography</i> , 1997, 10, 9-22. | 0.8 | 7 |
| 50 | A psychophysiological inquiry into the nature of the Sokolovian orienting response comparator model: skin conductance and EEG data. <i>Biological Psychology</i> , 1995, 41, 147-166. | 1.1 | 3 |