

Francisco BarcelÃ³

List of Publications by Year in descending order

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37
papers

2,994
citations

218677

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345221

36
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39
all docs

39
docs citations

39
times ranked

2911
citing authors

#	ARTICLE	IF	CITATIONS
1	Prefrontal modulation of visual processing in humans. <i>Nature Neuroscience</i> , 2000, 3, 399-403.	14.8	403
2	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.	1.8	349
3	Both random and perseverative errors underlie WCST deficits in prefrontal patients. <i>Neuropsychologia</i> , 2002, 40, 349-356.	1.6	245
4	Think differently: a brain orienting response to task novelty. <i>NeuroReport</i> , 2002, 13, 1887-1892.	1.2	241
5	Task Switching and Novelty Processing Activate a Common Neural Network for Cognitive Control. <i>Journal of Cognitive Neuroscience</i> , 2006, 18, 1734-1748.	2.3	221
6	Attentional set shifting modulates the target P3b Response in the Wisconsin card sorting test. <i>Neuropsychologia</i> , 2000, 38, 1342-1355.	1.6	155
7	Where is the bilingual advantage in task-switching?. <i>Journal of Memory and Language</i> , 2013, 69, 257-276.	2.1	122
8	Dynamic Neuroplasticity after Human Prefrontal Cortex Damage. <i>Neuron</i> , 2010, 68, 401-408.	8.1	106
9	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.	1.6	102
10	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.	1.6	86
11	Spatiotemporal brain dynamics during preparatory set shifting: MEG evidence. <i>NeuroImage</i> , 2004, 21, 687-695.	4.2	77
12	Contextually sensitive power changes across multiple frequency bands underpin cognitive control. <i>NeuroImage</i> , 2016, 132, 499-511.	4.2	75
13	Electrophysiological evidence of two different types of error in the Wisconsin Card Sorting Test. <i>NeuroReport</i> , 1999, 10, 1299-1303.	1.2	70
14	Updating sensory versus task representations during task-switching: Insights from cognitive brain potentials in humans. <i>Neuropsychologia</i> , 2009, 47, 1160-1172.	1.6	70
15	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.	2.4	70
16	A latent variable approach to executive control in healthy ageing. <i>Brain and Cognition</i> , 2012, 78, 284-299.	1.8	64
17	An information theory account of late frontoparietal ERP positivities in cognitive control. <i>Psychophysiology</i> , 2018, 55, e12814.	2.4	54
18	An Information-Theoretical Approach to Contextual Processing in the Human Brain: Evidence from Prefrontal Lesions. <i>Cerebral Cortex</i> , 2007, 17, i51-i60.	2.9	53

#	ARTICLE	IF	CITATIONS
19	Bilinguals Use Language-Control Brain Areas More Than Monolinguals to Perform Non-Linguistic Switching Tasks. <i>PLoS ONE</i> , 2013, 8, e73028.	2.5	53
20	An information theoretical approach to task-switching: evidence from cognitive brain potentials in humans. <i>Frontiers in Human Neuroscience</i> , 2007, 1, 13.	2.0	46
21	Temporal kinetics of prefrontal modulation of the extrastriate cortex during visual attention. <i>Cognitive, Affective and Behavioral Neuroscience</i> , 2004, 4, 609-617.	2.0	42
22	Non-frontal P3b-like activity evoked by the Wisconsin Card Sorting Test. <i>NeuroReport</i> , 1998, 9, 747-751.	1.2	35
23	<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.	2.4	33
24	Dynamic low frequency EEG phase synchronization patterns during proactive control of task switching. <i>NeuroImage</i> , 2019, 186, 70-82.	4.2	33
25	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.	2.0	32
26	Does the Wisconsin Card Sorting Test Measure Prefrontal Function?. <i>Spanish Journal of Psychology</i> , 2001, 4, 79-100.	2.1	30
27	Multisubject Decomposition of Event-related Positivities in Cognitive Control: Tackling Age-related Changes in Reactive Control. <i>Brain Topography</i> , 2018, 31, 17-34.	1.8	24
28	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.	2.5	20
29	The time course of the asymmetrical â€œlocalâ€switch cost: Evidence from event-related potentials. <i>Biological Psychology</i> , 2011, 86, 210-218.	2.2	18
30	Impaired preparatory re-mapping of stimulusâ€response associations and rule-implementation in schizophrenic patientsâ€The role for differences in early processing. <i>Biological Psychology</i> , 2011, 87, 358-365.	2.2	15
31	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.	2.3	12
32	Quantifying Contextual Information For Cognitive Control. <i>Frontiers in Psychology</i> , 2018, 9, 1693.	2.1	11
33	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.	1.8	10
34	Electrophysiological measures of cognition in biological psychiatry: some cautionary notes. <i>International Journal of Neuroscience</i> , 1997, 92, 219-240.	1.6	9
35	Fast fronto-parietal cortical dynamics of conflict detection and context updating in a flanker task. <i>Cognitive Neurodynamics</i> , 2020, 14, 795-814.	4.0	7
36	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.	0.7	1

#	ARTICLE	IF	CITATIONS
37	Tidying up sensory stores with supraordinate representations. Behavioral and Brain Sciences, 2003, 26, 730-731.	0.7	0