Cesar Avila

List of Publications by Year in descending order

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81900 76900 6,448 141 39 74 citations h-index g-index papers 149 149 149 7456 citing authors docs citations times ranked all docs

#	Article	IF	CITATIONS
1	Dynamic Effects of Immersive Bilingualism on Cortical and Subcortical Grey Matter Volumes. Frontiers in Psychology, 2022, 13, 886222.	2.1	7
2	The manifestation of individual differences in sensitivity to punishment during resting state is modulated by eye state. Cognitive, Affective and Behavioral Neuroscience, 2021, 21, 144-155.	2.0	1
3	Sustained and transient gray matter volume changes after n-back training: A VBM study. Neurobiology of Learning and Memory, 2021, 178, 107368.	1.9	4
4	Foreign Language Processing Undermines Affect Labeling. Affective Science, 2021, 2, 199-206.	2.6	6
5	Enhanced frontoparietal connectivity in multiple sclerosis patients and healthy controls in response to an intensive computerized training focused on working memory. Multiple Sclerosis and Related Disorders, 2021, 52, 102976.	2.0	4
6	Grey matter reduction in the occipitotemporal cortex in Spanish children with dyslexia: A voxel-based morphometry study. Journal of Neurolinguistics, 2020, 53, 100873.	1.1	9
7	A cross-sectional and longitudinal study on the protective effect of bilingualism against dementia using brain atrophy and cognitive measures. Alzheimer's Research and Therapy, 2020, 12, 11.	6.2	39
8	Functional connectivity at rest captures individual differences in visual search. Brain Structure and Function, 2020, 225, 537-549.	2.3	5
9	Distance disintegration delineates the brain connectivity failure of Alzheimer's disease. Neurobiology of Aging, 2020, 88, 51-60.	3.1	10
10	Effects of bilingualism on white matter atrophy in mild cognitive impairment: a diffusion tensor imaging study. European Journal of Neurology, 2020, 27, 603-608.	3.3	9
11	Auditory and frontal anatomic correlates of pitch discrimination in musicians, non-musicians, and children without musical training. Brain Structure and Function, 2020, 225, 2735-2744.	2.3	11
12	Active bilingualism delays the onset of mild cognitive impairment. Neuropsychologia, 2020, 146, 107528.	1.6	24
13	Opening or closing eyes at rest modulates the functional connectivity of V1 with default and salience networks. Scientific Reports, 2020, 10, 9137.	3.3	40
14	Leftâ€handed musicians show a higher probability of atypical cerebral dominance for language. Human Brain Mapping, 2020, 41, 2048-2058.	3.6	12
15	Locating neural transfer effects of n-back training on the central executive: a longitudinal fMRI study. Scientific Reports, 2020, 10, 5226.	3.3	20
16	Individual Differences in Hippocampal Volume as a Function of BMI and Reward Sensitivity. Frontiers in Behavioral Neuroscience, 2020, 14, 53.	2.0	8
17	Long-term brain effects of N-back training: an fMRI study. Brain Imaging and Behavior, 2019, 13, 1115-1127.	2.1	40
18	Alterations in Brain Structure and Amplitude of Low-frequency after 8 weeks of Mindfulness Meditation Training in Meditation-NaA ve Subjects. Scientific Reports, 2019, 9, 10977.	3.3	40

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19	Separate Contribution of Striatum Volume and Pitch Discrimination to Individual Differences in Music Reward. Psychological Science, 2019, 30, 1352-1361.	3.3	7
20	Sex differences in gray matter volume: how many and how large are they really?. Biology of Sex Differences, 2019, 10, 32.	4.1	51
21	Activity in Memory Brain Networks During Encoding Differentiates Mild Cognitive Impairment Converters from Non-Converters. Journal of Alzheimer's Disease, 2019, 71, 1049-1061.	2.6	3
22	Reward network connectivity "at rest―is associated with reward sensitivity in healthy adults: A resting-state fMRI study. Cognitive, Affective and Behavioral Neuroscience, 2019, 19, 726-736.	2.0	19
23	FRI-118-Decreased cognitive performance is associated with reduced resting state connectivity and gray matter atrophy in patients with minimal hepatic encephalopathy. Journal of Hepatology, 2019, 70, e439.	3.7	0
24	Repeated Working Memory Training Improves Task Performance and Neural Efficiency in Multiple Sclerosis Patients and Healthy Controls. Multiple Sclerosis International, 2019, 2019, 1-13.	0.8	8
25	Restingâ€state fMRI detects the effects of learning in short term: A visual search training study. Human Brain Mapping, 2019, 40, 2787-2799.	3.6	7
26	Brain networks involved in accented speech processing. Brain and Language, 2019, 194, 12-22.	1.6	14
27	Linking personality and brain anatomy: a structural MRI approach to Reinforcement Sensitivity Theory. Social Cognitive and Affective Neuroscience, 2019, 14, 329-338.	3.0	32
28	P: 55â€fDecreased Cognitive Performance Is Associated With Reduced Resting State Connectivity and Gray Matter Atrophy in Patients With Minimal Hepatic Encephalopathy. American Journal of Gastroenterology, 2019, 114, S27-S28.	0.4	0
29	Visual search task immediate training effects on task-related functional connectivity. Brain Imaging and Behavior, 2019, 13, 1566-1579.	2.1	6
30	Accelerated long-term forgetting in resected and seizure-free temporal lobe epilepsy patients. Cortex, 2019, 110, 80-91.	2.4	13
31	Subcortical grey matter structures in multiple sclerosis. NeuroReport, 2018, 29, 547-552.	1.2	8
32	Evidence for degraded low frequency verbal concepts in left resected temporal lobe epilepsy patients. Neuropsychologia, 2018, 114, 88-100.	1.6	4
33	Left frontoparietal network activity is modulated by drug stimuli in cocaine addiction. Brain Imaging and Behavior, 2018, 12, 1259-1270.	2.1	26
34	Learning and Memory Impairments in Patients with Minimal Hepatic Encephalopathy are Associated with Structural and Functional Connectivity Alterations in Hippocampus. Scientific Reports, 2018, 8, 9664.	3.3	28
35	Modulation of Functional Connectivity in Auditory–Motor Networks in Musicians Compared with Nonmusicians. Cerebral Cortex, 2017, 27, bhw120.	2.9	69
36	Reduced activity in functional networks during reward processing is modulated by abstinence in cocaine addicts. Addiction Biology, 2017, 22, 479-489.	2.6	18

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37	Hippocampal dysfunction is associated with memory impairment in multiple sclerosis: A volumetric and functional connectivity study. Multiple Sclerosis Journal, 2017, 23, 1854-1863.	3.0	38
38	Functional connectivity in resting state as a phonemic fluency ability measure. Neuropsychologia, 2017, 97, 98-103.	1.6	10
39	The Modulation of the Startle Reflex as Predictor of Alcohol Use Disorders in a Sample of Heavy Drinkers: A 4-Year Follow-Up Study. Alcoholism: Clinical and Experimental Research, 2017, 41, 1212-1219.	2.4	2
40	Exploring Neural Efficiency in Multiple Sclerosis Patients during the Symbol Digit Modalities Test: A Functional Magnetic Resonance Imaging Study. Neurodegenerative Diseases, 2017, 17, 199-207.	1.4	8
41	Complexity analysis of cortical surface detects changes in future Alzheimer's disease converters. Human Brain Mapping, 2017, 38, 5905-5918.	3.6	41
42	The dynamic imprint of word learning on the dorsal language pathway. NeuroImage, 2017, 159, 261-269.	4.2	3
43	Reduced resting state connectivity and gray matter volume correlate with cognitive impairment in minimal hepatic encephalopathy. PLoS ONE, 2017, 12, e0186463.	2.5	22
44	State and Training Effects of Mindfulness Meditation on Brain Networks Reflect Neuronal Mechanisms of Its Antidepressant Effect. Neural Plasticity, 2016, 2016, 1-14.	2.2	47
45	Neuroticism predisposes to donation more than agreeableness: An fMRI study Journal of Neuroscience, Psychology, and Economics, 2016, 9, 100-108.	1.0	6
46	Reduced posterior parietal cortex activation after training on a visual search task. NeuroImage, 2016, 135, 204-213.	4.2	15
47	Increased regional gray matter atrophy and enhanced functional connectivity in male multiple sclerosis patients. Neuroscience Letters, 2016, 630, 154-157.	2.1	15
48	Hand gestures as visual prosody: BOLD responses to audio–visual alignment are modulated by the communicative nature of the stimuli. NeuroImage, 2016, 132, 129-137.	4.2	32
49	Inferior frontal cortex activity is modulated by reward sensitivity and performance variability. Biological Psychology, 2016, 114, 127-137.	2.2	50
50	BAS-drive trait modulates dorsomedial striatum activity during reward response-outcome associations. Brain Imaging and Behavior, 2016, 10, 869-879.	2.1	20
51	Bilingualism at the core of the brain. Structural differences between bilinguals and monolinguals revealed by subcortical shape analysis. Neurolmage, 2016, 125, 437-445.	4.2	91
52	Characterizing individual differences in reward sensitivity from the brain networks involved in response inhibition. Neurolmage, 2016, 124, 287-299.	4.2	10
53	How bilingualism shapes the functional architecture of the brain: A study on executive control in early bilinguals and monolinguals. Human Brain Mapping, 2015, 36, 5101-5112.	3.6	29
54	Reward Sensitivity Modulates Brain Activity in the Prefrontal Cortex, ACC and Striatum during Task Switching. PLoS ONE, 2015, 10, e0123073.	2.5	13

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55	Do bilinguals show neural differences with monolinguals when processing their native language?. Brain and Language, 2015, 142, 36-44.	1.6	26
56	Involvement of the human midbrain and thalamus in auditory deviance detection. Neuropsychologia, 2015, 68, 51-58.	1.6	55
57	Top-down attention regulates the neural expression of audiovisual integration. Neurolmage, 2015, 119, 272-285.	4.2	46
58	Functional Connectivity Between Superior Parietal Lobule and Primary Visual Cortex "at Rest― Predicts Visual Search Efficiency. Brain Connectivity, 2015, 5, 517-526.	1.7	19
59	Neural differences between monolinguals and early bilinguals in their native language during comprehension. Brain and Language, 2015, 150, 80-89.	1.6	19
60	A new window to understanding individual differences in reward sensitivity from attentional networks. Brain Structure and Function, 2015, 220, 1807-1821.	2.3	10
61	The link between resting-state functional connectivity and cognition in MS patients. Multiple Sclerosis Journal, 2014, 20, 338-348.	3.0	68
62	Abstinence duration modulates striatal functioning during monetary reward processing in cocaine patients. Addiction Biology, 2014, 19, 885-894.	2.6	50
63	Reduced white matter microstructural integrity correlates with cognitive deficits in minimal hepatic encephalopathy. Gut, 2014, 63, 1028-1030.	12.1	17
64	Differential neural control in early bilinguals and monolinguals during response inhibition. Brain and Language, 2014, 132, 43-51.	1.6	24
65	An fMRI Study to Analyze Neural Correlates of Presence during Virtual Reality Experiences. Interacting With Computers, 2014, 26, 269-284.	1.5	44
66	A Functional Magnetic Resonance Imaging Assessment of Small Animals' Phobia Using Virtual Reality as a Stimulus. JMIR Serious Games, 2014, 2, e6.	3.1	8
67	Extreme Learning Machines for Feature Selection and Classification of Cocaine Dependent Patients on Structural MRI Data. Neural Processing Letters, 2013, 38, 375-387.	3.2	27
68	Neural correlates of audiovisual speech processing in a second language. Brain and Language, 2013, 126, 253-262.	1.6	14
69	Task-load manipulation in the Symbol Digit Modalities Test: An alternative measure of information processing speed. Brain and Cognition, 2013, 82, 152-160.	1.8	33
70	Bilateral inferior frontal language-related activation correlates with verbal recall in patients with left temporal lobe epilepsy and typical language distribution. Epilepsy Research, 2013, 104, 118-124.	1.6	3
71	Spontaneous Brain Activity Predicts Learning Ability of Foreign Sounds. Journal of Neuroscience, 2013, 33, 9295-9305.	3.6	85
72	Reward sensitivity modulates connectivity among reward brain areas during processing of anticipatory reward cues. European Journal of Neuroscience, 2013, 38, 2399-2407.	2.6	26

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73	Bilinguals Use Language-Control Brain Areas More Than Monolinguals to Perform Non-Linguistic Switching Tasks. PLoS ONE, 2013, 8, e73028.	2.5	53
74	Regional Brain Atrophy and Functional Connectivity Changes Related to Fatigue in Multiple Sclerosis. PLoS ONE, 2013, 8, e77914.	2.5	67
75	Reward Sensitivity Is Associated with Brain Activity during Erotic Stimulus Processing. PLoS ONE, 2013, 8, e66940.	2.5	33
76	fMRI assessment of small animals' phobia using virtual reality as stimulus. , 2013, , .		3
77	Impact of Circularity Analysis on Classification Results: A Case Study in the Detection of Cocaine Addiction Using Structural MRI. Communications in Computer and Information Science, 2013, , 101-114.	0.5	0
78	Reading Salt Activates Gustatory Brain Regions: fMRI Evidence for Semantic Grounding in a Novel Sensory Modality. Cerebral Cortex, 2012, 22, 2554-2563.	2.9	144
79	An Effect of Bilingualism on the Auditory Cortex. Journal of Neuroscience, 2012, 32, 16597-16601.	3.6	95
80	Frontostriatal response to set switching is moderated by reward sensitivity. Social Cognitive and Affective Neuroscience, 2012, 7, 423-430.	3.0	19
81	Functional magnetic resonance imaging correlates of cognitive performance in patients with a clinically isolated syndrome suggestive of multiple sclerosis at presentation: an activation and connectivity study. Multiple Sclerosis Journal, 2012, 18, 153-163.	3.0	45
82	The role of protest scenario in the neural response to the supportive communication. International Journal of Nonprofit and Voluntary Sector Marketing, 2012, 17, 263-274.	0.8	3
83	Individual differences in the Behavioral Inhibition System are associated with orbitofrontal cortex and precuneus gray matter volume. Cognitive, Affective and Behavioral Neuroscience, 2012, 12, 491-498.	2.0	53
84	Cocaine Dependent Classification Using Brain Magnetic Resonance Imaging. Lecture Notes in Computer Science, 2012, , 448-454.	1.3	2
85	Reduced striatal volume in cocaine-dependent patients. Neurolmage, 2011, 56, 1021-1026.	4.2	128
86	Utilidad de la monitorización Video-EEG en los pacientes con epilepsia farmacorresistente. NeurologÃa, 2011, 26, 6-12.	0.7	20
87	Lower activation in the right frontoparietal network during a counting Stroop task in a cocaine-dependent group. Psychiatry Research - Neuroimaging, 2011, 194, 111-118.	1.8	67
88	Neural bases of language switching in high and early proficient bilinguals. Brain and Language, 2011, 119, 129-135.	1.6	103
89	Right parietal hypoactivation in a cocaine-dependent group during a verbal working memory task. Brain Research, 2011, 1375, 111-119.	2.2	37
90	Anatomical and functional differences between the Paced Auditory Serial Addition Test and the Symbol Digit Modalities Test. Journal of Clinical and Experimental Neuropsychology, 2011, 33, 42-50.	1.3	48

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91	Analyzing the Level of Presence While Navigating in a Virtual Environment during an fMRI Scan. Lecture Notes in Computer Science, 2011, , 475-478.	1.3	4
92	The sentence verification task: a reliable fMRI protocol for mapping receptive language in individual subjects. European Radiology, 2010, 20, 2432-2438.	4.5	11
93	Comparison of two fMRI tasks for the evaluation of the expressive language function. Neuroradiology, 2010, 52, 407-415.	2.2	41
94	Behavioral activation system modulation on brain activation during appetitive and aversive stimulus processing. Social Cognitive and Affective Neuroscience, 2010, 5, 18-28.	3.0	26
95	Morphological and functional evaluation of visual disturbances in a bilateral hand allograft recipient. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2010, 63, 700-704.	1.0	12
96	Bridging language and attention: Brain basis of the impact of bilingualism on cognitive control. Neurolmage, 2010, 53, 1272-1278.	4.2	248
97	Temperamental traits in mice(II): Consistency across apparatus. Personality and Individual Differences, 2009, 46, 3-7.	2.9	5
98	Differential dorsolateral prefrontal cortex activation during a verbal n-back task according to sensory modality. Behavioural Brain Research, 2009, 205, 299-302.	2.2	48
99	A Symbol Digit Modalities Test version suitable for functional MRI studies. Neuroscience Letters, 2009, 456, 11-14.	2.1	50
100	A cognitive neuroscience approach to individual differences in sensitivity to reward. Neurotoxicity Research, 2008, 14, 191-203.	2.7	30
101	Analysis of multiple waveforms by means of functional principal component analysis: normal versus pathological patterns in sit-to-stand movement. Medical and Biological Engineering and Computing, 2008, 46, 551-561.	2.8	25
102	A comparison of brain activation patterns during covert and overt paced auditory serial addition test tasks. Human Brain Mapping, 2008, 29, 644-650.	3.6	19
103	The Role of Behavioral Impulsivity in the Development of Alcohol Dependence: A 4â€Year Followâ€Up Study. Alcoholism: Clinical and Experimental Research, 2008, 32, 1681-1687.	2.4	176
104	Information-processing speed is the primary deficit underlying the poor performance of multiple sclerosis patients in the Paced Auditory Serial Addition Test (PASAT). Journal of Clinical and Experimental Neuropsychology, 2008, 30, 789-796.	1.3	79
105	Reinforcement sensitivity scales. , 2008, , 188-227.		28
106	Performance and conditioning studies. , 2008, , 228-260.		14
107	Compensatory activations in patients with multiple sclerosis during preserved performance on the auditory N-back task. Human Brain Mapping, 2007, 28, 424-430.	3.6	64
108	Varieties of Impulsivity in Males With Alcohol Dependence: The Role of Cluster-B Personality Disorder. Alcoholism: Clinical and Experimental Research, 2007, 31, 1826-1832.	2.4	49

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109	Compensatory cortical mechanisms in Parkinson's disease evidenced with fMRI during the performance of pre-learned sequential movements. Brain Research, 2007, 1147, 265-271.	2.2	63
110	Temperamental traits in mice (I): Factor structure. Personality and Individual Differences, 2007, 43, 255-265.	2.9	7
111	Mapping the apetitive and aversive systems with emotional pictures using a block-design fMRI procedure. Psicothema, 2007, 19, 483-8.	0.9	23
112	Cortical reorganization during PASAT task in MS patients with preserved working memory functions. Neurolmage, 2006, 31, 686-691.	4.2	88
113	Reading cinnamon activates olfactory brain regions. Neurolmage, 2006, 32, 906-912.	4.2	378
114	Behavioral Inhibition System activity is associated with increased amygdala and hippocampal gray matter volume: A voxel-based morphometry study. NeuroImage, 2006, 33, 1011-1015.	4.2	127
115	The Taq IA polymorphism linked to the DRD2 gene is related to lower attention and less inhibitory control in alcoholic patients. European Psychiatry, 2006, 21, 66-69.	0.2	39
116	Striatum gray matter reduction in males with an overactive behavioral activation system. European Journal of Neuroscience, 2006, 24, 2071-2074.	2.6	120
117	Impulsivity and Sustained Attention in Pathological Gamblers: Influence of Childhood ADHD History. Journal of Gambling Studies, 2006, 22, 451-461.	1.6	80
118	Personality differences in suppression of behavior as a function of the probability of punishment. Personality and Individual Differences, 2006, 41, 249-260.	2.9	11
119	Heightened Heart Rate Response to Alcohol Intoxication Is Associated With a Rewardâ€Seeking Personality Profile. Alcoholism: Clinical and Experimental Research, 2004, 28, 394-401.	2.4	80
120	On the relationship between attention and personality: covert visual orienting of attention in anxiety and impulsivity. Personality and Individual Differences, 2004, 36, 1471-1481.	2.9	24
121	Measuring Impulsivity in School-Aged Boys and Examining Its Relationship with ADHD and ODD Ratings. Journal of Abnormal Child Psychology, 2004, 32, 295-304.	3.5	90
122	Personality, expectations, and response strategies in multipleâ€choice question examinations in university students: a test of Gray's hypotheses. European Journal of Personality, 2004, 18, 45-59.	3.1	28
123	Selective alteration of native, but not second language articulation in a patient with foreign accent syndrome. NeuroReport, 2004, 15, 2267-2270.	1.2	24
124	The measurement of individual differences in Behavioural Inhibition and Behavioural Activation Systems: a comparison of personality scales. Personality and Individual Differences, 2003, 34, 999-1013.	2.9	216
125	BRIEF REPORT Setâ€shifting and sensitivity to reward: A possible dopamine mechanism for explaining disinhibitory disorders. Cognition and Emotion, 2003, 17, 951-959.	2.0	12
126	The role of attentional anterior network on threat-related attentional biases in anxiety. Personality and Individual Differences, 2002, 32, 715-728.	2.9	14

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127	Individual differences in reward sensitivity and attentional focus. Personality and Individual Differences, 2002, 33, 979-996.	2.9	23
128	Implicit Word Cues Facilitate Impaired Naming Performance: Evidence from a Case of Anomia. Brain and Language, 2001, 79, 185-200.	1.6	29
129	Distinguishing BIS-mediated and BAS-mediated disinhibition mechanisms: A comparison of disinhibition models of Gray (1981, 1987) and of Patterson and Newman (1993) Journal of Personality and Social Psychology, 2001, 80, 311-324.	2.8	157
130	The Sensitivity to Punishment and Sensitivity to Reward Questionnaire (SPSRQ) as a measure of Gray's anxiety and impulsivity dimensions. Personality and Individual Differences, 2001, 31, 837-862.	2.9	1,017
131	Personality and inhibitory deficits in the stop-signal task: the mediating role of Gray's anxiety and impulsivity. Personality and Individual Differences, 2001, 31, 975-986.	2.9	97
132	Distinguishing BIS-mediated and BAS-mediated disinhibition mechanisms: A comparison of disinhibition models of Gray (1981, 1987) and of Patterson and Newman (1993) Journal of Personality and Social Psychology, 2001, 80, 311-324.	2.8	1
133	The role of Gray's impulsivity in anxiety-mediated differences in resistance to extinction. European Journal of Personality, 2000, 14, 185-198.	3.1	37
134	The role of Gray's impulsivity in anxiety-mediated differences in resistance to extinction. European Journal of Personality, 2000, 14, 185-198.	3.1	1
135	Anxiety and counter-conditioning: the role of the behavioral inhibition system in the ability to associate aversive stimuli with future rewards. Personality and Individual Differences, 1999, 27, 1167-1179.	2.9	24
136	Impulsivity and anxiety differences in cognitive inhibition. Personality and Individual Differences, 1997, 23, 1055-1064.	2.9	21
137	Sensitivity to Conditioned or Unconditioned Stimuli: What Is the Mechanism Underlying Passive Avoidance Deficits in Extraverts?. Journal of Research in Personality, 1995, 29, 373-394.	1.7	35
138	Facilitation and inhibition of visual orienting as a function of personality. Personality and Individual Differences, 1995, 18, 503-509.	2.9	28
139	Sensitivity to punishment and resistance to extinction: a test of Gray's behavioral inhibition system. Personality and Individual Differences, 1994, 17, 845-847.	2.9	19
140	Impulsivity and total response speed to a personality questionnaire. Personality and Individual Differences, 1993, 15, 97-98.	2.9	14
141	Brainâ€Anatomy Differences in the Commission of Reversal Errors during Algebraic Word Problem Solving. Mind, Brain, and Education, 0, , .	1.9	1