

Marta I Garrido

List of Publications by Year in descending order

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67
papers

5,255
citations

147801

31
h-index

102487

66
g-index

92
all docs

92
docs citations

92
times ranked

5100
citing authors

#	ARTICLE	IF	CITATIONS
1	The mismatch negativity: A review of underlying mechanisms. <i>Clinical Neurophysiology</i> , 2009, 120, 453-463.	1.5	1,109
2	Preserved Feedforward But Impaired Top-Down Processes in the Vegetative State. <i>Science</i> , 2011, 332, 858-862.	12.6	444
3	The functional anatomy of the MMN: A DCM study of the roving paradigm. <i>NeuroImage</i> , 2008, 42, 936-944.	4.2	392
4	Evoked brain responses are generated by feedback loops. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20961-20966.	7.1	241
5	Dynamic causal modelling of evoked potentials: A reproducibility study. <i>NeuroImage</i> , 2007, 36, 571-580.	4.2	205
6	Repetition suppression and plasticity in the human brain. <i>NeuroImage</i> , 2009, 48, 269-279.	4.2	192
7	Dynamic causal modeling for EEG and MEG. <i>Human Brain Mapping</i> , 2009, 30, 1866-1876.	3.6	186
8	Dynamic causal modelling for EEG and MEG. <i>Cognitive Neurodynamics</i> , 2008, 2, 121-136.	4.0	183
9	Dynamic Causal Modeling of the Response to Frequency Deviants. <i>Journal of Neurophysiology</i> , 2009, 101, 2620-2631.	1.8	173
10	Sparse network-based models for patient classification using fMRI. <i>NeuroImage</i> , 2015, 105, 493-506.	4.2	151
11	Modelling Trial-by-Trial Changes in the Mismatch Negativity. <i>PLoS Computational Biology</i> , 2013, 9, e1002911.	3.2	137
12	Dynamic causal modelling of evoked responses: The role of intrinsic connections. <i>NeuroImage</i> , 2007, 36, 332-345.	4.2	120
13	Outlier Responses Reflect Sensitivity to Statistical Structure in the Human Brain. <i>PLoS Computational Biology</i> , 2013, 9, e1002999.	3.2	118
14	A Neurocomputational Model of the Mismatch Negativity. <i>PLoS Computational Biology</i> , 2013, 9, e1003288.	3.2	96
15	Subcortical amygdala pathways enable rapid face processing. <i>NeuroImage</i> , 2014, 102, 309-316.	4.2	88
16	Brain Connectivity in Disorders of Consciousness. <i>Brain Connectivity</i> , 2012, 2, 1-10.	1.7	85
17	Functional Evidence for a Dual Route to Amygdala. <i>Current Biology</i> , 2012, 22, 129-134.	3.9	81
18	A Rapid Subcortical Amygdala Route for Faces Irrespective of Spatial Frequency and Emotion. <i>Journal of Neuroscience</i> , 2017, 37, 3864-3874.	3.6	80

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19	An afferent white matter pathway from the pulvinar to the amygdala facilitates fear recognition. <i>ELife</i> , 2019, 8, .	6.0	77
20	Effective Connectivity Reveals Right-Hemisphere Dominance in Audiospatial Perception: Implications for Models of Spatial Neglect. <i>Journal of Neuroscience</i> , 2014, 34, 5003-5011.	3.6	74
21	The Unpredictive Brain Under Threat: A Neurocomputational Account of Anxious Hypervigilance. <i>Biological Psychiatry</i> , 2017, 82, 447-454.	1.3	66
22	Dynamic Causal Modelling of epileptic seizure propagation pathways: A combined EEG&fMRI study. <i>NeuroImage</i> , 2012, 62, 1634-1642.	4.2	62
23	Attention promotes the neural encoding of prediction errors. <i>PLoS Biology</i> , 2019, 17, e2006812.	5.6	61
24	Ventromedial prefrontal cortex drives hippocampal theta oscillations induced by mismatch computations. <i>NeuroImage</i> , 2015, 120, 362-370.	4.2	59
25	The influence of subcortical shortcuts on disordered sensory and cognitive processing. <i>Nature Reviews Neuroscience</i> , 2020, 21, 264-276.	10.2	59
26	Sensory prediction errors in the continuum of psychosis. <i>Schizophrenia Research</i> , 2018, 191, 109-122.	2.0	57
27	Remote Effects of Hippocampal Sclerosis on Effective Connectivity during Working Memory Encoding: A Case of Connectional Diaschisis?. <i>Cerebral Cortex</i> , 2012, 22, 1225-1236.	2.9	56
28	Network reconfiguration and working memory impairment in mesial temporal lobe epilepsy. <i>NeuroImage</i> , 2013, 72, 48-54.	4.2	46
29	Response to Comment on "Preserved Feedforward But Impaired Top-Down Processes in the Vegetative State". <i>Science</i> , 2011, 334, 1203-1203.	12.6	45
30	Empirical Bayes for Group (DCM) Studies: A Reproducibility Study. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 670.	2.0	41
31	Auditory prediction errors as individual biomarkers of schizophrenia. <i>NeuroImage: Clinical</i> , 2017, 15, 264-273.	2.7	37
32	Bayesian Mapping Reveals That Attention Boosts Neural Responses to Predicted and Unpredicted Stimuli. <i>Cerebral Cortex</i> , 2018, 28, 1771-1782.	2.9	37
33	Surprise responses in the human brain demonstrate statistical learning under high concurrent cognitive demand. <i>Npj Science of Learning</i> , 2016, 1, 16006.	2.8	29
34	Predictive coding of visual motion in both monocular and binocular human visual processing. <i>Journal of Vision</i> , 2019, 19, 3.	0.3	29
35	A mechanistic model of mismatch negativity in the ageing brain. <i>Clinical Neurophysiology</i> , 2014, 125, 1774-1782.	1.5	25
36	Altered auditory processing and effective connectivity in 22q11.2 deletion syndrome. <i>Schizophrenia Research</i> , 2018, 197, 328-336.	2.0	24

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37	Development of effective connectivity in the core network for face perception. <i>Human Brain Mapping</i> , 2015, 36, 2161-2173.	3.6	22
38	The maturation of mismatch negativity networks in normal adolescence. <i>Clinical Neurophysiology</i> , 2016, 127, 520-529.	1.5	22
39	Sensory Deviancy Detection Measured Directly Within the Human Nucleus Accumbens. <i>Cerebral Cortex</i> , 2016, 26, 1168-1175.	2.9	21
40	White matter connectivity reductions in the pre-clinical continuum of psychosis: A connectome study. <i>Human Brain Mapping</i> , 2019, 40, 529-537.	3.6	19
41	Alteration of functional brain architecture in 22q11.2 deletion syndrome – Insights into susceptibility for psychosis. <i>NeuroImage</i> , 2019, 190, 154-171.	4.2	18
42	Time-Varying Effective Connectivity during Visual Object Naming as a Function of Semantic Demands. <i>Journal of Neuroscience</i> , 2015, 35, 8768-8776.	3.6	17
43	Timing in Predictive Coding: The Roles of Task Relevance and Global Probability. <i>Journal of Cognitive Neuroscience</i> , 2017, 29, 780-792.	2.3	14
44	Statistical Learning and Inference Is Impaired in the Nonclinical Continuum of Psychosis. <i>Journal of Neuroscience</i> , 2020, 40, 6759-6769.	3.6	13
45	Surprise Leads to Noisier Perceptual Decisions. <i>i-Perception</i> , 2011, 2, 112-120.	1.4	11
46	Auditory white matter pathways are associated with effective connectivity of auditory prediction errors within a fronto-temporal network. <i>NeuroImage</i> , 2019, 195, 454-462.	4.2	11
47	Bayesian Model Selection Maps for Group Studies Using M/EEG Data. <i>Frontiers in Neuroscience</i> , 2018, 12, 598.	2.8	10
48	Multi-dimensional predictions of psychotic symptoms via machine learning. <i>Human Brain Mapping</i> , 2020, 41, 5151-5163.	3.6	8
49	A salience misattribution model for addictive-like behaviors. <i>Neuroscience and Biobehavioral Reviews</i> , 2021, 125, 466-477.	6.1	8
50	Global effects of feature-based attention depend on surprise. <i>NeuroImage</i> , 2020, 215, 116785.	4.2	8
51	Stronger Top-Down and Weaker Bottom-Up Frontotemporal Connections During Sensory Learning Are Associated With Severity of Psychotic Phenomena. <i>Schizophrenia Bulletin</i> , 2021, 47, 1039-1047.	4.3	7
52	Brain Connectivity: The Feel of Blindsight. <i>Current Biology</i> , 2012, 22, R599-R600.	3.9	6
53	Prediction of Speech Sounds Is Facilitated by a Functional Fronto-Temporal Network. <i>Frontiers in Neural Circuits</i> , 2018, 12, 43.	2.8	6
54	Individuals with 22q11.2 deletion syndrome show intact prediction but reduced adaptation in responses to repeated sounds: Evidence from Bayesian mapping. <i>NeuroImage: Clinical</i> , 2019, 22, 101721.	2.7	6

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55	Porthole and Stormcloud: Tools for Visualisation of Spatiotemporal M/EEG Statistics. <i>Neuroinformatics</i> , 2020, 18, 351-363.	2.8	6
56	Detecting (Un)seen Change: The Neural Underpinnings of (Un)conscious Prediction Errors. <i>Frontiers in Systems Neuroscience</i> , 2020, 14, 541670.	2.5	5
57	Reduced effective connectivity between right parietal and inferior frontal cortex during audiospatial perception in neglect patients with a right-hemisphere lesion. <i>Hearing Research</i> , 2021, 399, 108052.	2.0	5
58	Aberrant connectivity in auditory precision encoding in schizophrenia spectrum disorder and across the continuum of psychotic-like experiences. <i>Schizophrenia Research</i> , 2020, 222, 185-194.	2.0	3
59	Unilateral neglect within the predictive processing framework. <i>Brain Communications</i> , 2021, 3, fcab193.	3.3	3
60	Cognitive Capacity Limits Are Remediated by Practice-Induced Plasticity between the Putamen and Pre-Supplementary Motor Area. <i>ENeuro</i> , 2020, 7, ENEURO.0139-20.2020.	1.9	2
61	Delirium VULnerability in GERiatrics (DIVULGE) study: a protocol for a prospective observational study of electroencephalogram associations with incident postoperative delirium. <i>BMJ Neurology Open</i> , 2021, 3, e000199.	1.6	2
62	Neural and computational processes of accelerated perceptual awareness and decisions: A 7T fMRI study. <i>Human Brain Mapping</i> , 2022, 43, 3873-3886.	3.6	2
63	Predicting subclinical psychotic-like experiences on a continuum using machine learning. <i>NeuroImage</i> , 2021, 241, 118329.	4.2	1
64	Towards a cross-level understanding of Bayesian inference in the brain. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 137, 104649.	6.1	1
65	Surprising Threats Accelerate Conscious Perception. <i>Frontiers in Behavioral Neuroscience</i> , 2022, 16, .	2.0	1
66	Randomised controlled trial of Compensatory Cognitive Training and a Computerised Cognitive Remediation programme. <i>Trials</i> , 2020, 21, 810.	1.6	0
67	3.8 Analyzing Effective Connectivity with EEG and MEG. , 2010, , 235-250.		0