

Marta I Garrido

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66 papers	3,791 citations	28 h-index	61 g-index
92 ext. papers	4,669 ext. citations	6.3 avg, IF	5.52 L-index

#	Paper	IF	Citations
66	The mismatch negativity: a review of underlying mechanisms. <i>Clinical Neurophysiology</i> , 2009 , 120, 453-63	4.3	802
65	Preserved feedforward but impaired top-down processes in the vegetative state. <i>Science</i> , 2011 , 332, 858-62	33.3	370
64	The functional anatomy of the MMN: a DCM study of the roving paradigm. <i>NeuroImage</i> , 2008 , 42, 936-44	7.9	277
63	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, 20961-6	11.5	198
62	Dynamic causal modelling of evoked potentials: a reproducibility study. <i>NeuroImage</i> , 2007 , 36, 571-80	7.9	162
61	Dynamic causal modeling for EEG and MEG. <i>Human Brain Mapping</i> , 2009 , 30, 1866-76	5.9	158
60	Repetition suppression and plasticity in the human brain. <i>NeuroImage</i> , 2009 , 48, 269-79	7.9	135
59	Dynamic causal modeling of the response to frequency deviants. <i>Journal of Neurophysiology</i> , 2009 , 101, 2620-31	3.2	128
58	Dynamic causal modelling for EEG and MEG. <i>Cognitive Neurodynamics</i> , 2008 , 2, 121-36	4.2	127
57	Sparse network-based models for patient classification using fMRI. <i>NeuroImage</i> , 2015 , 105, 493-506	7.9	111
56	Dynamic causal modelling of evoked responses: the role of intrinsic connections. <i>NeuroImage</i> , 2007 , 36, 332-45	7.9	96
55	Modelling trial-by-trial changes in the mismatch negativity. <i>PLoS Computational Biology</i> , 2013 , 9, e1002931	4.1	90
54	Outlier responses reflect sensitivity to statistical structure in the human brain. <i>PLoS Computational Biology</i> , 2013 , 9, e1002999	5	80
53	Brain connectivity in disorders of consciousness. <i>Brain Connectivity</i> , 2012 , 2, 1-10	2.7	69
52	Functional evidence for a dual route to amygdala. <i>Current Biology</i> , 2012 , 22, 129-34	6.3	68
51	A neurocomputational model of the mismatch negativity. <i>PLoS Computational Biology</i> , 2013 , 9, e1003288	4.1	68
50	Subcortical amygdala pathways enable rapid face processing. <i>NeuroImage</i> , 2014 , 102 Pt 2, 309-16	7.9	66

49	Effective connectivity reveals right-hemisphere dominance in audiospatial perception: implications for models of spatial neglect. <i>Journal of Neuroscience</i> , 2014 , 34, 5003-11	6.6	58
48	A Rapid Subcortical Amygdala Route for Faces Irrespective of Spatial Frequency and Emotion. <i>Journal of Neuroscience</i> , 2017 , 37, 3864-3874	6.6	54
47	Dynamic Causal Modelling of epileptic seizure propagation pathways: a combined EEG-fMRI study. <i>NeuroImage</i> , 2012 , 62, 1634-42	7.9	53
46	Remote effects of hippocampal sclerosis on effective connectivity during working memory encoding: a case of connectional diaschisis?. <i>Cerebral Cortex</i> , 2012 , 22, 1225-36	5.1	46
45	Response to Comment on "Preserved Feedforward But Impaired Top-Down Processes in the Vegetative State". <i>Science</i> , 2011 , 334, 1203-1203	33.3	44
44	An afferent white matter pathway from the pulvinar to the amygdala facilitates fear recognition. <i>ELife</i> , 2019 , 8,	8.9	43
43	The Unpredictive Brain Under Threat: A Neurocomputational Account of Anxious Hypervigilance. <i>Biological Psychiatry</i> , 2017 , 82, 447-454	7.9	38
42	Ventromedial prefrontal cortex drives hippocampal theta oscillations induced by mismatch computations. <i>NeuroImage</i> , 2015 , 120, 362-70	7.9	37
41	Sensory prediction errors in the continuum of psychosis. <i>Schizophrenia Research</i> , 2018 , 191, 109-122	3.6	33
40	Network reconfiguration and working memory impairment in mesial temporal lobe epilepsy. <i>NeuroImage</i> , 2013 , 72, 48-54	7.9	33
39	Attention promotes the neural encoding of prediction errors. <i>PLoS Biology</i> , 2019 , 17, e2006812	9.7	31
38	The influence of subcortical shortcuts on disordered sensory and cognitive processing. <i>Nature Reviews Neuroscience</i> , 2020 , 21, 264-276	13.5	28
37	Empirical Bayes for Group (DCM) Studies: A Reproducibility Study. <i>Frontiers in Human Neuroscience</i> , 2015 , 9, 670	3.3	26
36	Auditory prediction errors as individual biomarkers of schizophrenia. <i>NeuroImage: Clinical</i> , 2017 , 15, 264-273	3.3	21
35	Development of effective connectivity in the core network for face perception. <i>Human Brain Mapping</i> , 2015 , 36, 2161-73	5.9	20
34	Bayesian Mapping Reveals That Attention Boosts Neural Responses to Predicted and Unpredicted Stimuli. <i>Cerebral Cortex</i> , 2018 , 28, 1771-1782	5.1	18
33	Predictive coding of visual motion in both monocular and binocular human visual processing. <i>Journal of Vision</i> , 2019 , 19, 3	0.4	17
32	Surprise responses in the human brain demonstrate statistical learning under high concurrent cognitive demand. <i>Npj Science of Learning</i> , 2016 , 1, 16006	6	17

31	Sensory Deviancy Detection Measured Directly Within the Human Nucleus Accumbens. <i>Cerebral Cortex</i> , 2016 , 26, 1168-1175	5.1	16
30	A mechanistic model of mismatch negativity in the ageing brain. <i>Clinical Neurophysiology</i> , 2014 , 125, 1774-82	4.3	16
29	Altered auditory processing and effective connectivity in 22q11.2 deletion syndrome. <i>Schizophrenia Research</i> , 2018 , 197, 328-336	3.6	15
28	The maturation of mismatch negativity networks in normal adolescence. <i>Clinical Neurophysiology</i> , 2016 , 127, 520-529	4.3	12
27	White matter connectivity reductions in the pre-clinical continuum of psychosis: A connectome study. <i>Human Brain Mapping</i> , 2019 , 40, 529-537	5.9	11
26	Timing in Predictive Coding: The Roles of Task Relevance and Global Probability. <i>Journal of Cognitive Neuroscience</i> , 2017 , 29, 780-792	3.1	9
25	Time-varying effective connectivity during visual object naming as a function of semantic demands. <i>Journal of Neuroscience</i> , 2015 , 35, 8768-76	6.6	9
24	Surprise leads to noisier perceptual decisions. <i>I-Perception</i> , 2011 , 2, 112-20	1.2	9
23	Alteration of functional brain architecture in 22q11.2 deletion syndrome - Insights into susceptibility for psychosis. <i>NeuroImage</i> , 2019 , 190, 154-171	7.9	9
22	Statistical Learning and Inference Is Impaired in the Nonclinical Continuum of Psychosis. <i>Journal of Neuroscience</i> , 2020 , 40, 6759-6769	6.6	7
21	Bayesian Model Selection Maps for Group Studies Using M/EEG Data. <i>Frontiers in Neuroscience</i> , 2018 , 12, 598	5.1	6
20	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	7.9	5
19	Porthole and Stormcloud: Tools for Visualisation of Spatiotemporal M/EEG Statistics. <i>Neuroinformatics</i> , 2020 , 18, 351-363	3.2	5
18	Prediction of Speech Sounds Is Facilitated by a Functional Fronto-Temporal Network. <i>Frontiers in Neural Circuits</i> , 2018 , 12, 43	3.5	4
17	Global effects of feature-based attention depend on surprise. <i>NeuroImage</i> , 2020 , 215, 116785	7.9	4
16	Multi-dimensional predictions of psychotic symptoms via machine learning. <i>Human Brain Mapping</i> , 2020 , 41, 5151-5163	5.9	3
15	Brain connectivity: the feel of blindsight. <i>Current Biology</i> , 2012 , 22, R599-600	6.3	2
14	SURPRISING THREATS ACCELERATE EVIDENCE ACCUMULATION FOR CONSCIOUS PERCEPTION		2

13	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	3.6	2
12	A salience misattribution model for addictive-like behaviors. <i>Neuroscience and Biobehavioral Reviews</i> , 2021 , 125, 466-477	9	2
11	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	3.9	2
10	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	1.3	2
9	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	5.3	1
8	Sensory learning and inference is impaired in the non-clinical continuum of psychosis: a replication study		1
7	Attention Promotes the Neural Encoding of Prediction Errors		1
6	Detecting (Un)seen Change: The Neural Underpinnings of (Un)conscious Prediction Errors. <i>Frontiers in Systems Neuroscience</i> , 2020 , 14, 541670	3.5	1
5	Unilateral neglect within the predictive processing framework. <i>Brain Communications</i> , 2021 , 3, fcab193	4.5	1
4	Predicting subclinical psychotic-like experiences on a continuum using machine learning. <i>NeuroImage</i> , 2021 , 241, 118329	7.9	1
3	Randomised controlled trial of Compensatory Cognitive Training and a Computerised Cognitive Remediation programme. <i>Trials</i> , 2020 , 21, 810	2.8	
2	Towards a cross-level understanding of Bayesian inference in the brain.. <i>Neuroscience and Biobehavioral Reviews</i> , 2022 , 104649	9	
1	Delirium VULnerability in GEriiatrics (DIVULGE) study: a protocol for a prospective observational study of electroencephalogram associations with incident postoperative delirium.. <i>BMJ Neurology Open</i> , 2021 , 3, e000199	1.5	