

# Guillermo Horga

## List of Publications by Year in descending order

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73  
papers

2,884  
citations

172457

29  
h-index

197818

49  
g-index

84  
all docs

84  
docs citations

84  
times ranked

4224  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hallucinations and Strong Priors. Trends in Cognitive Sciences, 2019, 23, 114-127.	7.8	299
2	The search for imaging biomarkers in psychiatric disorders. Nature Medicine, 2016, 22, 1248-1255.	30.7	180
3	Neuromelanin detection by magnetic resonance imaging (MRI) and its promise as a biomarker for Parkinson's disease. Npj Parkinson's Disease, 2018, 4, 11.	5.3	169
4	Deficits in Predictive Coding Underlie Hallucinations in Schizophrenia. Journal of Neuroscience, 2014, 34, 8072-8082.	3.6	151
5	Neuromelanin-sensitive MRI as a noninvasive proxy measure of dopamine function in the human brain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 5108-5117.	7.1	136
6	An fMRI Study of Self-Regulatory Control and Conflict Resolution in Adolescents With Bulimia Nervosa. American Journal of Psychiatry, 2011, 168, 1210-1220.	7.2	131
7	A Perceptual Inference Mechanism for Hallucinations Linked to Striatal Dopamine. Current Biology, 2018, 28, 503-514.e4.	3.9	120
8	Auditory Hallucinations and the Brain's Resting-State Networks: Findings and Methodological Observations. Schizophrenia Bulletin, 2016, 42, 1110-1123.	4.3	107
9	Mechanisms of Working Memory Impairment in Schizophrenia. Biological Psychiatry, 2016, 80, 617-626.	1.3	96
10	Progressive gray matter changes in first episode schizophrenia: A 4-year longitudinal magnetic resonance study using VBM. Schizophrenia Research, 2009, 114, 136-143.	2.0	94
11	Widespread temporal coding of cognitive control in the human prefrontal cortex. Nature Neuroscience, 2019, 22, 1883-1891.	14.8	77
12	Altered Activation in Fronto-Striatal Circuits During Sequential Processing of Conflict in Unmedicated Adults with Obsessive-Compulsive Disorder. Biological Psychiatry, 2014, 75, 615-622.	1.3	68
13	A distinct inferential mechanism for delusions in schizophrenia. Brain, 2019, 142, 1797-1812.	7.6	67
14	Correlations between ventricular enlargement and gray and white matter volumes of cortex, thalamus, striatum, and internal capsule in schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2011, 261, 467-476.	3.2	60
15	Dopamine-Related Disruption of Functional Topography of Striatal Connections in Unmedicated Patients With Schizophrenia. JAMA Psychiatry, 2016, 73, 862.	11.0	58
16	An integrative framework for perceptual disturbances in psychosis. Nature Reviews Neuroscience, 2019, 20, 763-778.	10.2	53
17	Reproducibility assessment of neuromelanin-sensitive magnetic resonance imaging protocols for region-of-interest and voxelwise analyses. NeuroImage, 2020, 208, 116457.	4.2	51
18	Adaptation to Conflict via Context-Driven Anticipatory Signals in the Dorsomedial Prefrontal Cortex. Journal of Neuroscience, 2011, 31, 16208-16216.	3.6	48

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19	Discriminating Risk and Resilience Endophenotypes From Lifetime Illness Effects in Familial Major Depressive Disorder. <i>JAMA Psychiatry</i> , 2014, 71, 136.	11.0	46
20	Annual Research Review: Current limitations and future directions in <scp>MRI</scp> studies of child&• and adult&•onset developmental psychopathologies. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2014, 55, 659-680.	5.2	45
21	Distinct hierarchical alterations of intrinsic neural timescales account for different manifestations of psychosis. <i>ELife</i> , 2020, 9, .	6.0	44
22	Significant improvement in treatment resistant auditory verbal hallucinations after 5 days of double-blind, randomized, sham controlled, fronto-temporal, transcranial direct current stimulation (tDCS): A replication/extension study. <i>Brain Stimulation</i> , 2019, 12, 981-991.	1.6	39
23	Motivational Context Modulates Prediction Error Response in Schizophrenia. <i>Schizophrenia Bulletin</i> , 2016, 42, 1467-1475.	4.3	37
24	Suicide risk in rapid cycling bipolar patients. <i>Journal of Affective Disorders</i> , 2009, 117, 74-78.	4.1	36
25	Clinical Experience Using Electroconvulsive Therapy in Adolescents with Schizophrenia Spectrum Disorders. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2010, 20, 205-209.	1.3	35
26	Changes in corticostriatal connectivity during reinforcement learning in humans. <i>Human Brain Mapping</i> , 2015, 36, 793-803.	3.6	34
27	Dynamic Connectivity between Brain Networks Supports Working Memory: Relationships to Dopamine Release and Schizophrenia. <i>Journal of Neuroscience</i> , 2016, 36, 4377-4388.	3.6	34
28	A predictive model for conversion to psychosis in clinical high-risk patients. <i>Psychological Medicine</i> , 2019, 49, 1128-1137.	4.5	34
29	Proof of mechanism and target engagement of glutamatergic drugs for the treatment of schizophrenia: RCTs of pomaglumetad and TS-134 on ketamine-induced psychotic symptoms and pharmacBOLD in healthy volunteers. <i>Neuropsychopharmacology</i> , 2020, 45, 1842-1850.	5.4	32
30	18FDG PET study of amygdalar activity during facial emotion recognition in schizophrenia. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2010, 260, 69-76.	3.2	29
31	Differential brain glucose metabolic patterns in antipsychotic-naive first-episode schizophrenia with and without auditory verbal hallucinations. <i>Journal of Psychiatry and Neuroscience</i> , 2011, 36, 312-321.	2.4	29
32	Reliability and Reproducibility of Neuromelanin&•Sensitive Imaging of the Substantia Nigra: A Comparison of Three Different Sequences. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 712-721.	3.4	29
33	Conscious and unconscious processes in cognitive control: a theoretical perspective and a novel empirical approach. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 199.	2.0	28
34	Influences of dopaminergic system dysfunction on late-life depression. <i>Molecular Psychiatry</i> , 2022, 27, 180-191.	7.9	28
35	Rethinking delusions: A selective review of delusion research through a computational lens. <i>Schizophrenia Research</i> , 2022, 245, 23-41.	2.0	27
36	Evidence for Dopamine Abnormalities in the Substantia Nigra in Cocaine Addiction Revealed by Neuromelanin-Sensitive MRI. <i>American Journal of Psychiatry</i> , 2020, 177, 1038-1047.	7.2	26

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37	Brain Metabolism during Hallucination-Like Auditory Stimulation in Schizophrenia. <i>PLoS ONE</i> , 2014, 9, e84987.	2.5	25
38	Abnormal fronto-striatal activation as a marker of threshold and subthreshold Bulimia Nervosa. <i>Human Brain Mapping</i> , 2018, 39, 1796-1804.	3.6	25
39	Distinct Relationships Between Visual and Auditory Perceptual Abnormalities and Conversion to Psychosis in a Clinical High-Risk Population. <i>JAMA Psychiatry</i> , 2017, 74, 104.	11.0	24
40	Ziprasidone in the Treatment of Affective Disorders: A Review. <i>CNS Neuroscience and Therapeutics</i> , 2008, 14, 278-286.	3.9	23
41	From Computation to the First-Person: Auditory-Verbal Hallucinations and Delusions of Thought Interference in Schizophrenia-Spectrum Psychoses. <i>Schizophrenia Bulletin</i> , 2019, 45, S56-S66.	4.3	22
42	Aberrant Temporal Connectivity in Persons at Clinical High Risk for Psychosis. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 696-705.	1.5	18
43	Association between neuromelanin-sensitive MRI signal and psychomotor slowing in late-life depression. <i>Neuropsychopharmacology</i> , 2021, 46, 1233-1239.	5.4	17
44	Neuromelanin-Sensitive Magnetic Resonance Imaging as a Proxy Marker for Catecholamine Function in Psychiatry. <i>JAMA Psychiatry</i> , 2021, 78, 788.	11.0	17
45	Enhanced Striatal Dopamine Release to Expectation of Alcohol: A Potential Risk Factor for Alcohol Use Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2018, 3, 591-598.	1.5	16
46	Neural Dysfunction in Cognitive Control Circuits in Persons at Clinical High-Risk for Psychosis. <i>Neuropsychopharmacology</i> , 2016, 41, 1241-1250.	5.4	14
47	Neuromelanin accumulation in patients with schizophrenia: A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 132, 1205-1213.	6.1	13
48	Electroconvulsive Therapy in Early Adolescents With Schizophrenia Spectrum Disorders. <i>Journal of ECT</i> , 2009, 25, 278-279.	0.6	11
49	A 4-year dopamine transporter (DAT) imaging study in neuroleptic-naive first episode schizophrenia patients. <i>Psychiatry Research - Neuroimaging</i> , 2011, 194, 79-84.	1.8	11
50	Drug-Induced Speech Dysfluency and Myoclonus Preceding Generalized Tonic-Clonic Seizures in an Adolescent Male with Schizophrenia. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2010, 20, 233-234.	1.3	10
51	Cross-Scanner Harmonization of Neuromelanin-Sensitive MRI for Multisite Studies. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1189-1199.	3.4	10
52	The Striatum and Dopamine. <i>JAMA Psychiatry</i> , 2014, 71, 489.	11.0	8
53	Standardized Data Acquisition for Neuromelanin-Sensitive Magnetic Resonance Imaging of the Substantia Nigra. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	6
54	Attenuated first-rank symptoms and conversion to psychosis in a clinical high-risk cohort. <i>Microbial Biotechnology</i> , 2018, 12, 1213-1216.	1.7	4

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55	Left amygdalar activation in deficit syndrome compared with non-deficit subjects with schizophrenia during the control task in a facial emotion recognition paradigm. <i>Psychiatry Research - Neuroimaging</i> , 2012, 203, 109-110.	1.8	3
56	194. Neuromelanin-Sensitive MRI as an Early Indicator of Dopamine Dysfunction in Individuals at Risk for Psychosis. <i>Schizophrenia Bulletin</i> , 2017, 43, S101-S101.	4.3	3
57	Sex-specific neural activity when resolving cognitive interference in individuals with or without prior internalizing disorders. <i>Psychiatry Research - Neuroimaging</i> , 2016, 249, 76-83.	1.8	2
58	Hallucinations and Delusions Relate to Distinct Hierarchical Alterations in Intrinsic Neural Timescales. <i>Biological Psychiatry</i> , 2020, 87, S179-S180.	1.3	2
59	T216. Deficient Belief Updating Explains Abnormal Information Seeking Associated With Delusions in Schizophrenia. <i>Biological Psychiatry</i> , 2018, 83, S212.	1.3	1
60	How do Stress and Craving Lead to Relapse in Opioid Use Disorder? Determining Sensitization Effects in the Locus Coeruleus Norepinephrine System in Humans. <i>Biological Psychiatry</i> , 2020, 87, S182-S183.	1.3	1
61	Heterogeneity in Foraging Decisions Relates to Drug Addiction and is a Marker of Midbrain Dopamine Function. <i>Biological Psychiatry</i> , 2021, 89, S239.	1.3	1
62	Effectiveness and Safety of Electroconvulsive Therapy in Patients Under 18 Years Old. <i>Journal of ECT</i> , 2007, 23, 53-54.	0.6	0
63	2.14 DEFICIENT CORTICO-STRIATAL ACTIVITY DURING REINFORCEMENT LEARNING IN ADOLESCENTS WITH BULIMIA NERVOSA. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2016, 55, S125.	0.5	0
64	2.13 DEFICIENT FRONTO-STRIATAL ACTIVATION AS AN EARLY BIOMARKER FOR BULIMIA NERVOSA. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2016, 55, S125.	0.5	0
65	F59. Altered Corticostriatal Activations and Connectivity During Reinforcement Learning in Unmedicated Adults With Obsessive-Compulsive Disorder. <i>Biological Psychiatry</i> , 2018, 83, S260-S261.	1.3	0
66	F210. Preliminary MRI Evidence of Abnormal Neuromelanin Accumulation in the Substantia Nigra in Cocaine-Use Disorder. <i>Biological Psychiatry</i> , 2019, 85, S295.	1.3	0
67	F181. A Randomized, Single-Blind, Parallel-Group Study to Evaluate the Effects of TS-134 on Ketamine-Induced Bold Signals in Resting fMRI in Healthy Adult Subjects. <i>Biological Psychiatry</i> , 2019, 85, S283-S284.	1.3	0
68	Evidence-Order Effects in Probabilistic Inference: Recency Bias and Delusion-Like Ideation Across the Psychosis Continuum. <i>Biological Psychiatry</i> , 2020, 87, S392-S393.	1.3	0
69	The Quest for a Selective Mapping Between Striatal Dopamine Subcircuits and Psychosis Symptoms. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2020, 5, 1004-1006.	1.5	0
70	Adjustment of Prior Beliefs as a Candidate Mechanism for Perceptual Insight. <i>Biological Psychiatry</i> , 2021, 89, S300.	1.3	0
71	Cross-Scanner Harmonization of Neuromelanin-Sensitive MRI for Multi-Site Studies. <i>Biological Psychiatry</i> , 2021, 89, S356.	1.3	0
72	Ubiquitous Dopamine Deficit Hypotheses in Cocaine Use Disorder Lack Support: Response to Leyton. <i>American Journal of Psychiatry</i> , 2021, 178, 469-470.	7.2	0

#	ARTICLE	IF	CITATIONS
73	P504. The Consequences of Base-Rate Neglect on Sequential Belief Updating and Real World Beliefs. Biological Psychiatry, 2022, 91, S292.	1.3	0