

Oscar Vilarroya

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

3,896
citations

201674

27
h-index

138484

58
g-index

107
all docs

107
docs citations

107
times ranked

5992
citing authors

#	ARTICLE	IF	CITATIONS
1	Subcortical brain volume differences in participants with attention deficit hyperactivity disorder in children and adults: a cross-sectional mega-analysis. <i>Lancet Psychiatry</i> , 2017, 4, 310-319.	7.4	565
2	Pregnancy leads to long-lasting changes in human brain structure. <i>Nature Neuroscience</i> , 2017, 20, 287-296.	14.8	456
3	Mapping cortical brain asymmetry in 17,141 healthy individuals worldwide via the ENIGMA Consortium. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5154-E5163.	7.1	299
4	Brain Imaging of the Cortex in ADHD: A Coordinated Analysis of Large-Scale Clinical and Population-Based Samples. <i>American Journal of Psychiatry</i> , 2019, 176, 531-542.	7.2	261
5	Global and regional gray matter reductions in ADHD: A voxel-based morphometric study. <i>Neuroscience Letters</i> , 2005, 389, 88-93.	2.1	241
6	An independent components and functional connectivity analysis of resting state fMRI data points to neural network dysregulation in adult ADHD. <i>Human Brain Mapping</i> , 2014, 35, 1261-1272.	3.6	147
7	Virtual Histology of Cortical Thickness and Shared Neurobiology in 6 Psychiatric Disorders. <i>JAMA Psychiatry</i> , 2021, 78, 47.	11.0	136
8	Subcortical Brain Volume, Regional Cortical Thickness, and Cortical Surface Area Across Disorders: Findings From the ENIGMA ADHD, ASD, and OCD Working Groups. <i>American Journal of Psychiatry</i> , 2020, 177, 834-843.	7.2	120
9	Joint hypermobility syndrome is a risk factor trait for anxiety disorders: a 15-year follow-up cohort study. <i>General Hospital Psychiatry</i> , 2011, 33, 363-370.	2.4	92
10	Ventro-Striatal Reductions Underpin Symptoms of Hyperactivity and Impulsivity in Attention-Deficit/Hyperactivity Disorder. <i>Biological Psychiatry</i> , 2009, 66, 972-977.	1.3	83
11	Gray matter volume deficits and correlation with insight and negative symptoms in first-psychotic-episode subjects. <i>Acta Psychiatrica Scandinavica</i> , 2011, 123, 431-439.	4.5	81
12	Pediatric OCD structural brain deficits in conflict monitoring circuits: A voxel-based morphometry study. <i>Neuroscience Letters</i> , 2007, 421, 218-223.	2.1	80
13	Response inhibition and reward anticipation in medication-naïve adults with attention-deficit/hyperactivity disorder: A within-subject case-control neuroimaging study. <i>Human Brain Mapping</i> , 2012, 33, 2350-2361.	3.6	78
14	Enhanced neural activity in frontal and cerebellar circuits after cognitive training in children with attention-deficit/hyperactivity disorder. <i>Human Brain Mapping</i> , 2010, 31, 1942-1950.	3.6	64
15	Neural correlates of impaired emotional discrimination in borderline personality disorder: An fMRI study. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009, 33, 1537-1545.	4.8	61
16	Consortium neuroscience of attention deficit/hyperactivity disorder and autism spectrum disorder: The ENIGMA adventure. <i>Human Brain Mapping</i> , 2022, 43, 37-55.	3.6	61
17	Pregnancy and adolescence entail similar neuroanatomical adaptations: A comparative analysis of cerebral morphometric changes. <i>Human Brain Mapping</i> , 2019, 40, 2143-2152.	3.6	60
18	The functional neuroanatomy of blood-injection-injury phobia: a comparison with spider phobics and healthy controls. <i>Psychological Medicine</i> , 2010, 40, 125-134.	4.5	59

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19	Reading in callosal agenesis*1. <i>Brain and Language</i> , 1990, 39, 235-253.	1.6	58
20	Neural and Behavioral Correlates of Sacred Values and Vulnerability to Violent Extremism. <i>Frontiers in Psychology</i> , 2018, 9, 2462.	2.1	56
21	Becoming a mother entails anatomical changes in the ventral striatum of the human brain that facilitate its responsiveness to offspring cues. <i>Psychoneuroendocrinology</i> , 2020, 112, 104507.	2.7	50
22	Ten pen men: Rhyming skills in two children with callosal agenesis. <i>Brain and Language</i> , 1989, 37, 548-564.	1.6	48
23	Training-induced neuroanatomical plasticity in ADHD: A tensor-based morphometric study. <i>Human Brain Mapping</i> , 2011, 32, 1741-1749.	3.6	43
24	Analysis of structural brain asymmetries in attention-deficit/hyperactivity disorder in 39 datasets. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, 1202-1219.	5.2	40
25	Do Pregnancy-Induced Brain Changes Reverse? The Brain of a Mother Six Years after Parturition. <i>Brain Sciences</i> , 2021, 11, 168.	2.3	36
26	Local functional connectivity suggests functional immaturity in children with attention-deficit/hyperactivity disorder. <i>Human Brain Mapping</i> , 2018, 39, 2442-2454.	3.6	35
27	Differential abnormalities of the head and body of the caudate nucleus in attention deficit-hyperactivity disorder. <i>Psychiatry Research - Neuroimaging</i> , 2008, 163, 270-278.	1.8	34
28	Laminar Thickness Alterations in the Fronto-Parietal Cortical Mantle of Patients with Attention-Deficit/Hyperactivity Disorder. <i>PLoS ONE</i> , 2012, 7, e48286.	2.5	32
29	Cerebellar neurometabolite abnormalities in pediatric attention/deficit hyperactivity disorder: A proton MR spectroscopic study. <i>Neuroscience Letters</i> , 2010, 470, 60-64.	2.1	29
30	Default Mode Network Aberrant Connectivity Associated with Neurological Soft Signs in Schizophrenia Patients and Unaffected Relatives. <i>Frontiers in Psychiatry</i> , 2017, 8, 298.	2.6	29
31	Neuroimaging "will to fight"™ for sacred values: an empirical case study with supporters of an Al Qaeda associate. <i>Royal Society Open Science</i> , 2019, 6, 181585.	2.4	29
32	A fully-automatic caudate nucleus segmentation of brain MRI: Application in volumetric analysis of pediatric attention-deficit/hyperactivity disorder. <i>BioMedical Engineering OnLine</i> , 2011, 10, 105.	2.7	25
33	Quantitative MR analysis of caudate abnormalities in pediatric ADHD: Proposal for a diagnostic test. <i>Psychiatry Research - Neuroimaging</i> , 2010, 182, 238-243.	1.8	24
34	Automatic brain caudate nuclei segmentation and classification in diagnostic of Attention-Deficit/Hyperactivity Disorder. <i>Computerized Medical Imaging and Graphics</i> , 2012, 36, 591-600.	5.8	23
35	Stimulant drugs trigger transient volumetric changes in the human ventral striatum. <i>Brain Structure and Function</i> , 2014, 219, 23-34.	2.3	23
36	Neurobiological Substrates of Social Cognition Impairment in Attention-Deficit Hyperactivity Disorder. <i>Annals of the New York Academy of Sciences</i> , 2009, 1167, 212-220.	3.8	20

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37	Emotion processing in joint hypermobility: A potential link to the neural bases of anxiety and related somatic symptoms in collagen anomalies. <i>European Psychiatry</i> , 2015, 30, 454-458.	0.2	19
38	Limbic activity in antipsychotic naïve first-episode psychotic subjects during facial emotion discrimination. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2014, 264, 271-283.	3.2	18
39	Time and psychostimulants: Opposing long-term structural effects in the adult ADHD brain. A longitudinal MR study. <i>European Neuropsychopharmacology</i> , 2017, 27, 1238-1247.	0.7	18
40	Ventromedial and dorsolateral prefrontal interactions underlie will to fight and die for a cause. <i>Social Cognitive and Affective Neuroscience</i> , 2019, 14, 569-577.	3.0	18
41	Characterizing the Brain Structural Adaptations Across the Motherhood Transition. <i>Frontiers in Global Women S Health</i> , 2021, 2, 742775.	2.3	18
42	Reproducibility in the absence of selective reporting: An illustration from large-scale brain asymmetry research. <i>Human Brain Mapping</i> , 2022, 43, 244-254.	3.6	16
43	Striatal volume deficits in children with ADHD who present a poor response to methylphenidate. <i>European Child and Adolescent Psychiatry</i> , 2014, 23, 805-812.	4.7	15
44	Stepwise functional connectivity reveals altered sensory-multimodal integration in medication-naïve adults with attention deficit hyperactivity disorder. <i>Human Brain Mapping</i> , 2019, 40, 4645-4656.	3.6	14
45	Characterizing neuroanatomic heterogeneity in people with and without ADHD based on subcortical brain volumes. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2021, 62, 1140-1149.	5.2	14
46	Presence of Distractor Improves Time Estimation Performance in an Adult ADHD Sample. <i>Journal of Attention Disorders</i> , 2020, 24, 1530-1537.	2.6	13
47	Neural Representation. A Survey-Based Analysis of the Notion. <i>Frontiers in Psychology</i> , 2017, 8, 1458.	2.1	12
48	Increased nucleus accumbens volume in first-episode psychosis. <i>Psychiatry Research - Neuroimaging</i> , 2017, 263, 57-60.	1.8	11
49	Virtual Ontogeny of Cortical Growth Preceding Mental Illness. <i>Biological Psychiatry</i> , 2022, 92, 299-313.	1.3	11
50	Association between neurological soft signs, temperament and character in patients with schizophrenia and non-psychotic relatives. <i>PeerJ</i> , 2016, 4, e1651.	2.0	10
51	Perceptual and cognitive perspective taking in two siblings with callosal agenesis. <i>British Journal of Developmental Psychology</i> , 1990, 8, 3-8.	1.7	9
52	The Paternal Transition Entails Neuroanatomic Adaptations that are Associated with the Father's Brain Response to his Infant Cues. <i>Cerebral Cortex Communications</i> , 2020, 1, tgaa082.	1.6	9
53	Reduced willingness to invest effort in schizophrenia with high negative symptoms regardless of reward stimulus presentation and reward value. <i>Comprehensive Psychiatry</i> , 2018, 87, 153-160.	3.1	8
54	Supervised brain segmentation and classification in diagnostic of Attention-Deficit/Hyperactivity Disorder. , 2012, , .		6

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55	The Neuroanatomical Basis of Panic Disorder and Social Phobia in Schizophrenia: A Voxel Based Morphometric Study. PLoS ONE, 2015, 10, e0119847.	2.5	6
56	Squibs. Cognitive Linguistics, 1998, 9, 175-188.	0.9	5
57	From Functional "Mess" to Bounded Functionality. , 2001, 11, 239-256.		5
58	"Two" Many Optimalities. Biology and Philosophy, 2002, 17, 251-270.	1.4	5
59	A satisficing and bricoleur approach to sensorimotor cognition. BioSystems, 2012, 110, 65-73.	2.0	4
60	The neuroimaging of sacred values. Annals of the New York Academy of Sciences, 2013, 1299, 25-35.	3.8	4
61	Automatic Internal Segmentation of Caudate Nucleus for Diagnosis of Attention-Deficit/Hyperactivity Disorder. Lecture Notes in Computer Science, 2012, , 222-229.	1.3	4
62	Social norms (not threat) mediate willingness to sacrifice in individuals fused with the nation: Insights from the COVID-19 pandemic. European Journal of Social Psychology, 2022, 52, 772-781.	2.4	4
63	Towards Human-Like Production and Binaural Localization of Speech Sounds in Humanoid Robots. , 2009, , .		3
64	Brain activity and connectivity differences in reward value discrimination during effort computation in schizophrenia. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 647-659.	3.2	3
65	Foreword. Annals of the New York Academy of Sciences, 2009, 1167, 1-4.	3.8	2
66	Just-in-time response to reward as a function of ADHD symptom severity. Psychiatry and Clinical Neurosciences, 2018, 72, 731-740.	1.8	2
67	In search of radical similarity. Behavioral and Brain Sciences, 2005, 28, 35-35.	0.7	1
68	The challenges of neural mind-reading paradigms. Frontiers in Human Neuroscience, 2013, 7, 306.	2.0	1
69	Sensorimotor event: an approach to the dynamic, embodied, and embedded nature of sensorimotor cognition. Frontiers in Human Neuroscience, 2014, 7, 912.	2.0	1
70	Normative seeds for deadly martyrdoms. Behavioral and Brain Sciences, 2014, 37, 378-379.	0.7	1
71	Prefrontal cortical thickness related to negative symptoms in antipsychotic-naive, first-episode psychotic patients. European Psychiatry, 2016, 33, S197-S197.	0.2	1
72	Nothing in Cognitive Neuroscience Makes Sense Except in the Light of Evolution. NeuroSci, 2021, 2, 177-192.	1.2	1

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73	Local Functional Connectivity as a Parsimonious Explanation of the Main Frameworks for ADHD in Medication-Naïve Adults. <i>Journal of Attention Disorders</i> , 2022, 26, 1788-1801.	2.6	1
74	a categorial mutation. <i>Behavioral and Brain Sciences</i> , 2005, 28, 508-509.	0.7	0
75	Biological Roots of the Social Brain. <i>Biological Theory</i> , 2008, 3, 93-98.	1.5	0
76	Diagnostic Stability and Clinical Characteristics in First-episode Psychosis. <i>European Psychiatry</i> , 2009, 24, .	0.2	0
77	Belling the cat: Why reuse theory is not enough. <i>Behavioral and Brain Sciences</i> , 2010, 33, 293-294.	0.7	0
78	A straw man's neogenome. <i>Behavioral and Brain Sciences</i> , 2012, 35, 380-381.	0.7	0
79	Introducing Experion as a Primal Cognitive Unit of Neural Processing. <i>Studies in Applied Philosophy, Epistemology and Rational Ethics</i> , 2013, , 289-305.	0.3	0
80	P.3.b.035 Temperament, character and neurological soft signs in patients with schizophrenia and unaffected siblings. <i>European Neuropsychopharmacology</i> , 2013, 23, S450.	0.7	0
81	P.3.f.015 Abnormal functioning of the default mode network in schizophrenia and unaffected relatives: a study of functional magnetic resonance. <i>European Neuropsychopharmacology</i> , 2013, 23, S500-S501.	0.7	0
82	A Supervised Graph-Cut Deformable Model for Brain MRI Segmentation. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2013, , 237-259.	0.5	0
83	Introduction to <i>Sociability, Responsibility, and Criminality: From Lab to Law</i> . <i>Annals of the New York Academy of Sciences</i> , 2013, 1299, v-x.	3.8	0
84	Abnormal Conectivity in Medial Prefrontal Cortex in Schizophrenia Patients and Unaffected Relatives. <i>European Psychiatry</i> , 2015, 30, 282.	0.2	0
85	P.3.b.002 Cortex morphology and subcortical brain grey matter deficits in schizophrenia and unaffected relatives. <i>European Neuropsychopharmacology</i> , 2015, 25, S463-S464.	0.7	0
86	Why are embodied experiments relevant to cognitive linguistics?. <i>Belgian Journal of Linguistics</i> , 2016, 30, 265-286.	0.3	0
87	Cortical and subcortical morphology deficits in cerebral gray matter in patients with schizophrenia and not affected siblings. <i>European Psychiatry</i> , 2016, 33, s249-s249.	0.2	0
88	Abnormal connectivity in dorsolateral prefrontal cortex in schizophrenia patients and unaffected relatives. <i>European Psychiatry</i> , 2016, 33, S98-S99.	0.2	0
89	Effort-based reward task, a behavioral measure to study negative symptoms in schizophrenia. <i>European Psychiatry</i> , 2017, 41, S343-S344.	0.2	0
90	Soft-wired long-term memory in a natural recurrent neuronal network. <i>Chaos</i> , 2020, 30, 061101.	2.5	0