

Christine Ecker

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

7,858
citations

50170

46
h-index

58464

82
g-index

131
all docs

131
docs citations

131
times ranked

9607
citing authors

#	ARTICLE	IF	CITATIONS
1	Subcortical and ventral prefrontal cortical neural responses to facial expressions distinguish patients with bipolar disorder and major depression. <i>Biological Psychiatry</i> , 2004, 55, 578-587.	0.7	512
2	Describing the Brain in Autism in Five Dimensionsâ€”Magnetic Resonance Imaging-Assisted Diagnosis of Autism Spectrum Disorder Using a Multiparameter Classification Approach. <i>Journal of Neuroscience</i> , 2010, 30, 10612-10623.	1.7	369
3	Investigating the predictive value of whole-brain structural MR scans in autism: A pattern classification approach. <i>NeuroImage</i> , 2010, 49, 44-56.	2.1	361
4	Cortical and Subcortical Brain Morphometry Differences Between Patients With Autism Spectrum Disorder and Healthy Individuals Across the Lifespan: Results From the ENIGMA ASD Working Group. <i>American Journal of Psychiatry</i> , 2018, 175, 359-369.	4.0	356
5	Neuroimaging in autism spectrum disorder: brain structure and function across the lifespan. <i>Lancet Neurology</i> , The, 2015, 14, 1121-1134.	4.9	352
6	Biological sex affects the neurobiology of autism. <i>Brain</i> , 2013, 136, 2799-2815.	3.7	239
7	Brain Anatomy and Its Relationship to Behavior in Adults With Autism Spectrum Disorder. <i>Archives of General Psychiatry</i> , 2012, 69, 195.	13.8	238
8	The development of emotion-processing in children: effects of age, emotion, and intensity. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2006, 47, 1098-1106.	3.1	215
9	Fronto-striatal circuitry and inhibitory control in autism: Findings from diffusion tensor imaging tractography. <i>Cortex</i> , 2012, 48, 183-193.	1.1	208
10	Reduced activation and inter-regional functional connectivity of fronto-striatal networks in adults with childhood Attention-Deficit Hyperactivity Disorder (ADHD) and persisting symptoms during tasks of motor inhibition and cognitive switching. <i>Journal of Psychiatric Research</i> , 2010, 44, 629-639.	1.5	204
11	Brain Surface Anatomy in Adults With Autism. <i>JAMA Psychiatry</i> , 2013, 70, 59.	6.0	199
12	The EU-AIMS Longitudinal European Autism Project (LEAP): design and methodologies to identify and validate stratification biomarkers for autism spectrum disorders. <i>Molecular Autism</i> , 2017, 8, 24.	2.6	183
13	Altered structural brain asymmetry in autism spectrum disorder in a study of 54 datasets. <i>Nature Communications</i> , 2019, 10, 4958.	5.8	167
14	Autism spectrum disorder in adults: diagnosis, management, and health services development. <i>Neuropsychiatric Disease and Treatment</i> , 2016, Volume 12, 1669-1686.	1.0	163
15	Large-scale analyses of the relationship between sex, age and intelligence quotient heterogeneity and cortical morphometry in autism spectrum disorder. <i>Molecular Psychiatry</i> , 2020, 25, 614-628.	4.1	141
16	The neuroanatomy of autism spectrum disorder: An overview of structural neuroimaging findings and their translatability to the clinical setting. <i>Autism</i> , 2017, 21, 18-28.	2.4	129
17	The EU-AIMS Longitudinal European Autism Project (LEAP): clinical characterisation. <i>Molecular Autism</i> , 2017, 8, 27.	2.6	126
18	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.	4.0	120

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19	Frontal networks in adults with autism spectrum disorder. <i>Brain</i> , 2016, 139, 616-630.	3.7	118
20	Identification and validation of biomarkers for autism spectrum disorders. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 70-70.	21.5	117
21	Effects of age and gender on neural networks of motor response inhibition: From adolescence to mid-adulthood. <i>NeuroImage</i> , 2013, 83, 690-703.	2.1	109
22	Neural responses to dynamic expressions of fear in schizophrenia. <i>Neuropsychologia</i> , 2007, 45, 107-123.	0.7	106
23	Human attachment security is mediated by the amygdala: Evidence from combined fMRI and psychophysiological measures. <i>Human Brain Mapping</i> , 2006, 27, 623-635.	1.9	102
24	Intrinsic gray-matter connectivity of the brain in adults with autism spectrum disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13222-13227.	3.3	99
25	Dissecting the Heterogeneous Cortical Anatomy of Autism Spectrum Disorder Using Normative Models. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 567-578.	1.1	97
26	Neuroimaging in autism—from basic science to translational research. <i>Nature Reviews Neurology</i> , 2014, 10, 82-91.	4.9	94
27	The Neuropsychology of Male Adults With High-Functioning Autism or Asperger Syndrome. <i>Autism Research</i> , 2014, 7, 568-581.	2.1	89
28	From pattern classification to stratification: towards conceptualizing the heterogeneity of Autism Spectrum Disorder. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 104, 240-254.	2.9	88
29	Investigating the factors underlying adaptive functioning in autism in the EU-AIMS Longitudinal European Autism Project. <i>Autism Research</i> , 2019, 12, 645-657.	2.1	87
30	Neural self-representation in autistic women and association with “compensatory camouflaging”™. <i>Autism</i> , 2019, 23, 1210-1223.	2.4	86
31	Atypically rightward cerebral asymmetry in male adults with autism stratifies individuals with and without language delay. <i>Human Brain Mapping</i> , 2016, 37, 230-253.	1.9	82
32	Altered Connectivity Between Cerebellum, Visual, and Sensory-Motor Networks in Autism Spectrum Disorder: Results from the EU-AIMS Longitudinal European Autism Project. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 260-270.	1.1	82
33	Impaired Communication Between the Motor and Somatosensory Homunculus Is Associated With Poor Manual Dexterity in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2017, 81, 211-219.	0.7	77
34	Translational approaches to the biology of Autism: false dawn or a new era?. <i>Molecular Psychiatry</i> , 2013, 18, 435-442.	4.1	75
35	Factor structure of the Children’s Revised Impact of Event Scale (CRIES) with children exposed to earthquake. <i>Personality and Individual Differences</i> , 2006, 40, 1027-1037.	1.6	64
36	Consortium neuroscience of attention deficit/hyperactivity disorder and autism spectrum disorder: The ENIGMA adventure. <i>Human Brain Mapping</i> , 2022, 43, 37-55.	1.9	61

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37	White-matter relaxation time and myelin water fraction differences in young adults with autism. <i>Psychological Medicine</i> , 2015, 45, 795-805.	2.7	60
38	Unsupervised data-driven stratification of mentalizing heterogeneity in autism. <i>Scientific Reports</i> , 2016, 6, 35333.	1.6	60
39	The effect of age, diagnosis, and their interaction on vertex-based measures of cortical thickness and surface area in autism spectrum disorder. <i>Journal of Neural Transmission</i> , 2014, 121, 1157-1170.	1.4	59
40	Inter-regional cortical thickness correlations are associated with autistic symptoms: A machine-learning approach. <i>Journal of Psychiatric Research</i> , 2013, 47, 453-459.	1.5	57
41	Abnormal Functional Activation and Maturation of Fronto-Striato-Temporal and Cerebellar Regions During Sustained Attention in Autism Spectrum Disorder. <i>American Journal of Psychiatry</i> , 2014, 171, 1107-1116.	4.0	57
42	Association Between the Probability of Autism Spectrum Disorder and Normative Sex-Related Phenotypic Diversity in Brain Structure. <i>JAMA Psychiatry</i> , 2017, 74, 329.	6.0	57
43	Genetic variation in the serotonin transporter modulates neural system-wide response to fearful faces. <i>Genes, Brain and Behavior</i> , 2008, 7, 543-551.	1.1	53
44	Autism in adults. New biological findings and their translational implications to the cost of clinical services. <i>Brain Research</i> , 2011, 1380, 22-33.	1.1	53
45	Individual differences in brain structure underpin empathizing and systemizing cognitive styles in male adults. <i>NeuroImage</i> , 2012, 61, 1347-1354.	2.1	52
46	Obsessive-Compulsive Disorder in Adults with High-Functioning Autism Spectrum Disorder: What Does Self-Report with the OCI Tell Us?. <i>Autism Research</i> , 2015, 8, 477-485.	2.1	49
47	Response inhibition and serotonin in autism: a functional MRI study using acute tryptophan depletion. <i>Brain</i> , 2014, 137, 2600-2610.	3.7	48
48	Serotonin and the Neural Processing of Facial Emotions in Adults With Autism. <i>Archives of General Psychiatry</i> , 2012, 69, 1003-13.	13.8	45
49	Neuroanatomy of Individual Differences in Language in Adult Males with Autism. <i>Cerebral Cortex</i> , 2015, 25, 3613-3628.	1.6	45
50	In Vivo Evidence of Reduced Integrity of the Gray-White Matter Boundary in Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2017, 27, 877-887.	1.6	41
51	Anatomy and aging of the amygdala and hippocampus in autism spectrum disorder: an in vivo magnetic resonance imaging study of Asperger syndrome. <i>Autism Research</i> , 2012, 5, 3-12.	2.1	40
52	Fractionating autism based on neuroanatomical normative modeling. <i>Translational Psychiatry</i> , 2020, 10, 384.	2.4	40
53	Social brain activation during mentalizing in a large autism cohort: the Longitudinal European Autism Project. <i>Molecular Autism</i> , 2020, 11, 17.	2.6	40
54	Towards robust and replicable sex differences in the intrinsic brain function of autism. <i>Molecular Autism</i> , 2021, 12, 19.	2.6	40

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55	Magnitude and heterogeneity of brain structural abnormalities in 22q11.2 deletion syndrome: a meta-analysis. <i>Molecular Psychiatry</i> , 2020, 25, 1704-1717.	4.1	39
56	Episodic Recollection Difficulties in ASD Result from Atypical Relational Encoding: Behavioral and Neural Evidence. <i>Autism Research</i> , 2015, 8, 317-327.	2.1	38
57	Atypical Brain Asymmetry in Autism—A Candidate for Clinically Meaningful Stratification. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 802-812.	1.1	36
58	On the brain structure heterogeneity of autism: Parsing out acquisition site effects with significance-weighted principal component analysis. <i>Human Brain Mapping</i> , 2017, 38, 1208-1223.	1.9	35
59	Neurodevelopmental origins of abnormal cortical morphology in dissociative identity disorder. <i>Acta Psychiatrica Scandinavica</i> , 2018, 137, 157-170.	2.2	35
60	Time-resolved fMRI of mental rotation revisited-dissociating visual perception from mental rotation in female subjects. <i>NeuroImage</i> , 2006, 32, 432-444.	2.1	34
61	Schizophrenia Patients With Cognitive Deficits: Factors Associated With Costs. <i>Schizophrenia Bulletin</i> , 2005, 32, 776-785.	2.3	33
62	Social anxiety in adult males with autism spectrum disorders. <i>Research in Autism Spectrum Disorders</i> , 2016, 32, 13-23.	0.8	33
63	Sex differences in frontal lobe connectivity in adults with autism spectrum conditions. <i>Translational Psychiatry</i> , 2017, 7, e1090-e1090.	2.4	33
64	Dissecting the phenotypic heterogeneity in sensory features in autism spectrum disorder: a factor mixture modelling approach. <i>Molecular Autism</i> , 2020, 11, 67.	2.6	32
65	Emotion processing in schizophrenia: fMRI study of patients treated with risperidone long-acting injections or conventional depot medication. <i>Journal of Psychopharmacology</i> , 2011, 25, 722-733.	2.0	29
66	Dynamic Changes in the Mental Rotation Network Revealed by Pattern Recognition Analysis of fMRI Data. <i>Journal of Cognitive Neuroscience</i> , 2009, 21, 890-904.	1.1	28
67	Atypical Visuospatial Processing in Autism: Insights from Functional Connectivity Analysis. <i>Autism Research</i> , 2012, 5, 314-330.	2.1	28
68	Developing new pharmacotherapies for autism. <i>Journal of Internal Medicine</i> , 2013, 274, 308-320.	2.7	28
69	Interindividual Differences in Cortical Thickness and Their Genomic Underpinnings in Autism Spectrum Disorder. <i>American Journal of Psychiatry</i> , 2022, 179, 242-254.	4.0	28
70	Abnormal functional activation and maturation of ventromedial prefrontal cortex and cerebellum during temporal discounting in autism spectrum disorder. <i>Human Brain Mapping</i> , 2017, 38, 5343-5355.	1.9	26
71	Decreased centrality of cortical volume covariance networks in autism spectrum disorders. <i>Journal of Psychiatric Research</i> , 2015, 69, 142-149.	1.5	25
72	Gray matter covariations and core symptoms of autism: the EU-AIMS Longitudinal European Autism Project. <i>Molecular Autism</i> , 2020, 11, 86.	2.6	25

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73	Subtly altered topological asymmetry of brain structural covariance networks in autism spectrum disorder across 43 datasets from the ENIGMA consortium. <i>Molecular Psychiatry</i> , 2022, 27, 2114-2125.	4.1	25
74	A structural MRI study of cortical thickness in depersonalisation disorder. <i>Psychiatry Research - Neuroimaging</i> , 2014, 224, 1-7.	0.9	23
75	Reduced cortical surface area in adolescents with conduct disorder. <i>European Child and Adolescent Psychiatry</i> , 2015, 24, 909-917.	2.8	23
76	Effects of acute tryptophan depletion on neural processing of facial expressions of emotion in humans. <i>Psychopharmacology</i> , 2010, 210, 499-510.	1.5	22
77	Temporal Profiles of Social Attention Are Different Across Development in Autistic and Neurotypical People. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2021, 6, 813-824.	1.1	21
78	Resting state EEG power spectrum and functional connectivity in autism: a cross-sectional analysis. <i>Molecular Autism</i> , 2022, 13, 22.	2.6	20
79	Cerebellar Atypicalities in Autism?. <i>Biological Psychiatry</i> , 2022, 92, 674-682.	0.7	20
80	Relationship Between Surface-based Brain Morphometric Measures and Intelligence in Autism Spectrum Disorders: Influence of History of Language Delay. <i>Autism Research</i> , 2015, 8, 556-566.	2.1	17
81	Age-related differences in white matter diffusion measures in autism spectrum condition. <i>Molecular Autism</i> , 2020, 11, 36.	2.6	17
82	Imbalanced social-communicative and restricted repetitive behavior subtypes of autism spectrum disorder exhibit different neural circuitry. <i>Communications Biology</i> , 2021, 4, 574.	2.0	17
83	Is there a common underlying mechanism for age-related decline in cortical thickness?. <i>NeuroReport</i> , 2009, 20, 1155-1160.	0.6	16
84	Neuroanatomy and Neuropathology of Autism Spectrum Disorder in Humans. <i>Advances in Anatomy, Embryology and Cell Biology</i> , 2017, 224, 27-48.	1.0	15
85	Neurobiological Correlates of Change in Adaptive Behavior in Autism. <i>American Journal of Psychiatry</i> , 2022, 179, 336-349.	4.0	15
86	Modulation of brain activation during executive functioning in autism with citalopram. <i>Translational Psychiatry</i> , 2019, 9, 286.	2.4	14
87	Examining the Boundary Sharpness Coefficient as an Index of Cortical Microstructure in Autism Spectrum Disorder. <i>Cerebral Cortex</i> , 2021, 31, 3338-3352.	1.6	14
88	Combining Path Analysis with Time-resolved Functional Magnetic Resonance Imaging: The Neurocognitive Network Underlying Mental Rotation. <i>Journal of Cognitive Neuroscience</i> , 2008, 20, 1003-1020.	1.1	13
89	The effect of age on vertex-based measures of the grey-white matter tissue contrast in autism spectrum disorder. <i>Molecular Autism</i> , 2018, 9, 49.	2.6	13
90	Are power calculations useful? A multicentre neuroimaging study. <i>Human Brain Mapping</i> , 2014, 35, 3569-3577.	1.9	12

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91	Down syndrome is accompanied by significantly reduced cortical greyâ€“white matter tissue contrast. <i>Human Brain Mapping</i> , 2018, 39, 4043-4054.	1.9	12
92	Detecting functional nodes in large-scale cortical networks with functional magnetic resonance imaging: A principal component analysis of the human visual system. <i>Human Brain Mapping</i> , 2007, 28, 817-834.	1.9	11
93	Autism biomarkers for more efficacious diagnosis. <i>Biomarkers in Medicine</i> , 2011, 5, 193-195.	0.6	11
94	Atypical measures of diffusion at the grayâ€“white matter boundary in autism spectrum disorder in adulthood. <i>Human Brain Mapping</i> , 2021, 42, 467-484.	1.9	11
95	Longitudinal Changes in Cortical Thickness in Adolescents with Autism Spectrum Disorder and Their Association with Restricted and Repetitive Behaviors. <i>Genes</i> , 2021, 12, 2024.	1.0	10
96	Neuroanatomical underpinnings of autism symptomatology in carriers and non-carriers of the 22q11.2 microdeletion. <i>Molecular Autism</i> , 2020, 11, 46.	2.6	8
97	Crossing the divide: a longitudinal study of effective treatments for people with autism and attention deficit hyperactivity disorder across the lifespan. <i>Programme Grants for Applied Research</i> , 2018, 6, 1-240.	0.4	8
98	Serotonin differentially modulates the temporal dynamics of the limbic response to facial emotions in male adults with and without autism spectrum disorder (ASD): a randomised placebo-controlled single-dose crossover trial. <i>Neuropsychopharmacology</i> , 2020, 45, 2248-2256.	2.8	7
99	Phase-IIa randomized, double-blind, sham-controlled, parallel group trial on anodal transcranial direct current stimulation (tDCS) over the left and right tempo-parietal junction in autism spectrum disorderâ€“StimAT: study protocol for a clinical trial. <i>Trials</i> , 2021, 22, 248.	0.7	7
100	Notice of Retraction and Replacement: Ecker et al. Association between the probability of autism spectrum disorder and normative sex-related phenotypic diversity in brain structure. <i>JAMA Psychiatry</i> . 2017;74(4):329-338. <i>JAMA Psychiatry</i> , 2019, 76, 549.	6.0	6
101	Brain morphometry in 22q11.2 deletion syndrome: an exploration of differences in cortical thickness, surface area, and their contribution to cortical volume. <i>Scientific Reports</i> , 2020, 10, 18845.	1.6	6
102	Modulation of atypical brain activation during executive functioning in autism: a pharmacological MRI study of tianeptine. <i>Molecular Autism</i> , 2021, 12, 14.	2.6	6
103	Using Pattern Classification to Identify Brain Imaging Markers in Autism Spectrum Disorder. <i>Current Topics in Behavioral Neurosciences</i> , 2018, 40, 413-436.	0.8	5
104	Examining volumetric gradients based on the frustum surface ratio in the brain in autism spectrum disorder. <i>Human Brain Mapping</i> , 2021, 42, 953-966.	1.9	4
105	Patterns of Cortical Folding Associated with Autistic Symptoms in Carriers and Noncarriers of the 22q11.2 Microdeletion. <i>Cerebral Cortex</i> , 2020, 30, 5281-5292.	1.6	3
106	Greater cortical thickness in individuals with ASD. <i>Molecular Psychiatry</i> , 2020, 25, 507-508.	4.1	3
107	Heterotopia in Individuals with 22q11.2 Deletion Syndrome. <i>American Journal of Neuroradiology</i> , 2021, 42, 2070-2076.	1.2	3
108	In-depth characterization of neuroradiological findings in a large sample of individuals with autism spectrum disorder and controls. <i>NeuroImage: Clinical</i> , 2022, 35, 103118.	1.4	3

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109	The neuroanatomy of autism. , 2022, , 87-105.		1
110	Qualitative differences in the spatiotemporal brain states supporting configural face processing emerge in adolescence in autism. Cortex, 2022, 155, 13-29.	1.1	1
111	Chapter 6 Neuroimaging biomarkers for autism spectrum disorder. , 2016, , 95-120.		0