Mayuresh S Korgaonkar

List of Publications by Year
in descending order

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109 papers	5,649 citations	109321 35 h-index	88630 70 g-index
117 all docs	117 docs citations	117 times ranked	8994 citing authors

#	Article	IF	Citations
1	Identification of a Common Neurobiological Substrate for Mental Illness. JAMA Psychiatry, 2015, 72, 305.	11.0	1,050
2	Smaller Hippocampal Volume in Posttraumatic Stress Disorder: A Multisite ENIGMA-PGC Study: Subcortical Volumetry Results From Posttraumatic Stress Disorder Consortia. Biological Psychiatry, 2018, 83, 244-253.	1.3	335
3	Widespread reductions in gray matter volume in depression. NeuroImage: Clinical, 2013, 3, 332-339.	2.7	301
4	Abnormal Structural Networks Characterize Major Depressive Disorder: A Connectome Analysis. Biological Psychiatry, 2014, 76, 567-574.	1.3	293
5	Obesity Is Associated With Reduced White Matter Integrity in Otherwise Healthy Adults*. Obesity, 2011, 19, 500-504.	3.0	204
6	Loss of white matter integrity in major depressive disorder: Evidence using tractâ€based spatial statistical analysis of diffusion tensor imaging. Human Brain Mapping, 2011, 32, 2161-2171.	3.6	180
7	Amygdala Reactivity to Emotional Faces in the Prediction of General and Medication-Specific Responses to Antidepressant Treatment in the Randomized iSPOT-D Trial. Neuropsychopharmacology, 2015, 40, 2398-2408.	5.4	168
8	Testing the white matter retrogenesis hypothesis of cognitive aging. Neurobiology of Aging, 2012, 33, 1699-1715.	3.1	139
9	Impact of early vs. late childhood early life stress on brain morphometrics. Brain Imaging and Behavior, 2013, 7, 196-203.	2.1	134
10	Diffusion tensor imaging predictors of treatment outcomes in major depressive disorder. British Journal of Psychiatry, 2014, 205, 321-328.	2.8	126
11	Frontoparietal Activation During Response Inhibition Predicts Remission to Antidepressants in Patients With Major Depression. Biological Psychiatry, 2016, 79, 274-281.	1.3	116
12	Using Standardized fMRI Protocols to Identify Patterns of Prefrontal Circuit Dysregulation that are Common and Specific to Cognitive and Emotional Tasks in Major Depressive Disorder: First Wave Results from the iSPOT-D Study. Neuropsychopharmacology, 2013, 38, 863-871.	5.4	113
13	Hippocampal volume varies with educational attainment across the life-span. Frontiers in Human Neuroscience, 2012, 6, 307.	2.0	109
14	Body mass index and brain structure in healthy children and adolescents. International Journal of Neuroscience, 2014, 124, 49-55.	1.6	100
15	Intrinsic connectomes are a predictive biomarker of remission in major depressive disorder. Molecular Psychiatry, 2020, 25, 1537-1549.	7.9	99
16	Higher education is an ageâ€independent predictor of white matter integrity and cognitive control in late adolescence. Developmental Science, 2013, 16, 653-664.	2.4	88
17	Intrinsic functional connectivity predicts remission on antidepressants: a randomized controlled trial to identify clinically applicable imaging biomarkers. Translational Psychiatry, 2018, 8, 57.	4.8	79
18	Genetic variants associated with longitudinal changes in brain structure across the lifespan. Nature Neuroscience, 2022, 25, 421-432.	14.8	75

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19	Cognitive control network anatomy correlates with neurocognitive behavior: A longitudinal study. Human Brain Mapping, 2017, 38, 631-643.	3.6	73
20	Limbic dysregulation is associated with lowered heart rate variability and increased trait anxiety in healthy adults. Human Brain Mapping, 2009, 30, 47-58.	3.6	72
21	Altered white matter microstructural organization in posttraumatic stress disorder across 3047 adults: results from the PGC-ENIGMA PTSD consortium. Molecular Psychiatry, 2021, 26, 4315-4330.	7.9	69
22	COGNITION-CHILDHOOD MALTREATMENT INTERACTIONS IN THE PREDICTION OF ANTIDEPRESSANT OUTCOMES IN MAJOR DEPRESSIVE DISORDER PATIENTS: RESULTS FROM THE iSPOT-D TRIAL. Depression and Anxiety, 2015, 32, 594-604.	4.1	64
23	Neuroplasticity in the Adaptation to Prosthodontic Treatment. Journal of Orofacial Pain, 2013, 27, 206-216.	1.7	58
24	Establishing the resting state default mode network derived from functional magnetic resonance imaging tasks as an endophenotype: A twins study. Human Brain Mapping, 2014, 35, 3893-3902.	3.6	56
25	Regional heterogeneity in limbic maturational changes: Evidence from integrating cortical thickness, volumetric and diffusion tensor imaging measures. NeuroImage, 2011, 55, 868-879.	4.2	55
26	Mapping inter-regional connectivity of the entire cortex to characterize major depressive disorder. NeuroReport, 2012, 23, 566-571.	1.2	54
27	Regional brain network organization distinguishes the combined and inattentive subtypes of Attention Deficit Hyperactivity Disorder. NeuroImage: Clinical, 2017, 15, 383-390.	2.7	54
28	Magnetic Resonance Imaging Measures of Brain Structure to Predict Antidepressant Treatment Outcome in Major Depressive Disorder. EBioMedicine, 2015, 2, 37-45.	6.1	53
29	Cortical volume abnormalities in posttraumatic stress disorder: an ENIGMA-psychiatric genomics consortium PTSD workgroup mega-analysis. Molecular Psychiatry, 2021, 26, 4331-4343.	7.9	52
30	Human amygdala engagement moderated by early life stress exposure is a biobehavioral target for predicting recovery on antidepressants. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11955-11960.	7.1	50
31	Grey matter abnormalities in children and adolescents with functional neurological symptom disorder. NeuroImage: Clinical, 2017, 15, 306-314.	2.7	49
32	Inhibition-related modulation of salience and frontoparietal networks predicts cognitive control ability and inattention symptoms in children with ADHD. Molecular Psychiatry, 2021, 26, 4016-4025.	7.9	48
33	A Systematic Review of Imaging Studies in the Combined and Inattentive Subtypes of Attention Deficit Hyperactivity Disorder. Frontiers in Integrative Neuroscience, 2020, 14, 31.	2.1	46
34	Connectivity of the Cognitive Control Network During Response Inhibition as a Predictive and Response Biomarker in Major Depression: Evidence From a Randomized Clinical Trial. Biological Psychiatry, 2020, 87, 462-472.	1.3	42
35	The TWIN-E Project in Emotional Wellbeing: Study Protocol and Preliminary Heritability Results Across Four MRI and DTI Measures. Twin Research and Human Genetics, 2012, 15, 419-441.	0.6	40
36	Imaging predictors of remission to anti-depressant medications in major depressive disorder. Journal of Affective Disorders, 2015, 186, 134-144.	4.1	38

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37	Thalamic volume and thalamo-cortical white matter tracts correlate with motor and verbal memory performance. NeuroImage, 2014, 91, 77-83.	4.2	36
38	Brain imaging predictors and the international study to predict optimized treatment for depression: study protocol for a randomized controlled trial. Trials, 2013, 14, 224.	1.6	34
39	Tractography of the Brainstem in Major Depressive Disorder Using Diffusion Tensor Imaging. PLoS ONE, 2014, 9, e84825.	2.5	33
40	Altered gray matter organization in children and adolescents with ADHD: a structural covariance connectome study. Translational Psychiatry, 2016, 6, e947-e947.	4.8	32
41	Potential structural and functional biomarkers of upper motor neuron dysfunction in ALS. Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2016, 17, 85-92.	1.7	32
42	EEG connectivity between the subgenual anterior cingulate and prefrontal cortices in response to antidepressant medication. European Neuropsychopharmacology, 2017, 27, 301-312.	0.7	32
43	â€œMotoring in idleâ€: The default mode and somatomotor networks are overactive in children and adolescents with functional neurological symptoms. NeuroImage: Clinical, 2018, 18, 730-743.	2.7	32
44	Early Exposure to Traumatic Stressors Impairs Emotional Brain Circuitry. PLoS ONE, 2013, 8, e75524.	2.5	31
45	The genetic and neuroanatomical basis of social dysfunction: Lessons from neurofibromatosis type 1. Human Brain Mapping, 2014, 35, 2372-2382.	3.6	30
46	Amygdala Activation and Connectivity to Emotional Processing Distinguishes Asymptomatic Patients With Bipolar DisordersÂand Unipolar Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 361-370.	1.5	30
47	Prediction of Nonremission to Antidepressant Therapy Using Diffusion Tensor Imaging. Journal of Clinical Psychiatry, 2016, 77, e436-e443.	2.2	29
48	Default-mode and fronto-parietal network connectivity during rest distinguishes asymptomatic patients with bipolar disorder and major depressive disorder. Translational Psychiatry, 2021, 11, 547.	4.8	29
49	Is the Alzheimerâ€™s disease cortical thickness signature a biological marker for memory?. Brain Imaging and Behavior, 2016, 10, 517-523.	2.1	24
50	Brain functional connectome abnormalities in amyotrophic lateral sclerosis are associated with disability and cortical hyperexcitability. European Journal of Neurology, 2017, 24, 1507-1517.	3.3	23
51	Structural brain network topology underpinning ADHD and response to methylphenidate treatment. Translational Psychiatry, 2021, 11, 150.	4.8	23
52	Cognitive ability is associated with changes in the functional organization of the cognitive control brain network. Human Brain Mapping, 2018, 39, 5028-5038.	3.6	22
53	Investigating the neural basis of cognitive control dysfunction in mood disorders. Bipolar Disorders, 2020, 22, 286-295.	1.9	22
54	Profound and reproducible patterns of reduced regional gray matter characterize major depressive disorder. Translational Psychiatry, 2019, 9, 176.	4.8	21

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55	Gender-specific structural abnormalities in major depressive disorder revealed by fixel-based analysis. NeuroImage: Clinical, 2019, 21, 101668.	2.7	20
56	Characterizing neurocognitive markers of familial risk for depression using multi-modal imaging, behavioral and self-report measures. Journal of Affective Disorders, 2019, 253, 336-342.	4.1	18
57	The distinctive neural circuitry of complex posttraumatic stress disorder during threat processing. Psychological Medicine, 2021, 51, 1121-1128.	4.5	16
58	A negative association between brainstem pontine grey-matter volume, well-being and resilience in healthy twins. Journal of Psychiatry and Neuroscience, 2018, 43, 386-395.	2.4	15
59	Understanding the neural mechanisms of lisdexamfetamine dimesylate (LDX) pharmacotherapy in Binge Eating Disorder (BED): a study protocol. Journal of Eating Disorders, 2019, 7, 23.	2.7	15
60	Intrinsic connectomes underlying response to trauma-focused psychotherapy in post-traumatic stress disorder. Translational Psychiatry, 2020, 10, 270.	4.8	15
61	Reappraisal-related neural predictors of treatment response to cognitive behavior therapy for post-traumatic stress disorder. Psychological Medicine, 2020, 51, 1-11.	4.5	15
62	The functional connectome in posttraumatic stress disorder. Neurobiology of Stress, 2021, 14, 100321.	4.0	15
63	Effects of TORC1 Inhibition during the Early and Established Phases of Polycystic Kidney Disease. PLoS ONE, 2016, 11, e0164193.	2.5	15
64	Chronic effects of dietary vitamin D deficiency without increased calcium supplementation on the progression of experimental polycystic kidney disease. American Journal of Physiology - Renal Physiology, 2013, 305, F574-F582.	2.7	14
65	The neural basis of deficient response inhibition in children with neurofibromatosis type 1: Evidence from a functional MRI study. Cortex, 2017, 93, 1-11.	2.4	14
66	The role of progressive oral implant rehabilitation in mastication, cognition and oral healthâ€related quality of life outcomesâ€”A pilot to define the protocol. Journal of Oral Rehabilitation, 2020, 47, 1368-1381.	3.0	14
67	Distinct neural mechanisms of emotional processing in prolonged grief disorder. Psychological Medicine, 2021, 51, 587-595.	4.5	14
68	Pyrrolidine dithiocarbamate reduces the progression of total kidney volume and cyst enlargement in experimental polycystic kidney disease. Physiological Reports, 2014, 2, e12196.	1.7	13
69	Impaired engagement of the ventral attention system in neurofibromatosis type 1. Brain Imaging and Behavior, 2018, 12, 499-508.	2.1	12
70	Effects of methylphenidate on cognition and behaviour in children with neurofibromatosis type 1: a study protocol for a randomised placebo-controlled crossover trial. BMJ Open, 2018, 8, e021800.	1.9	12
71	Investigating neural circuits of emotion regulation to distinguish euthymic patients with bipolar disorder and major depressive disorder. Bipolar Disorders, 2021, 23, 284-294.	1.9	12
72	Abnormal habenula functional connectivity characterizes treatment-resistant depression. NeuroImage: Clinical, 2022, 34, 102990.	2.7	12

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73	Cerebral responses to innocuous somatic pressure stimulation following aerobic exercise rehabilitation in chronic pain patients: a functional magnetic resonance imaging study. International Journal of General Medicine, 2014, 7, 425.	1.8	11
74	Gray Matter Atrophy in the Cerebellumâ€"Evidence of Increased Vulnerability of the Crus and Vermis with Advancing Age. Cerebellum, 2017, 16, 388-397.	2.5	11
75	A Neuroethics Framework for the Australian Brain Initiative. Neuron, 2019, 101, 365-369.	8.1	11
76	Understanding autism spectrum disorder and social functioning in children with neurofibromatosis type 1: protocol for a cross-sectional multimodal study. BMJ Open, 2019, 9, e030601.	1.9	11
77	Brainmarker-I Differentially Predicts Remission to Various Attention-Deficit/Hyperactivity Disorder Treatments: A Discovery, Transfer, and Blinded Validation Study. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2023, 8, 52-60.	1.5	11
78	Profiling risk for depressive disorder by circuit, behavior and self-report measures of emotion function. Journal of Affective Disorders, 2018, 227, 595-602.	4.1	10
79	Diffusion Tensor Imaging Analysis of Mild Traumatic Brain Injury and Posttraumatic Stress Disorder. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 81-90.	1.5	10
80	Differential neural predictors of treatment response for fear and dysphoric features of posttraumatic stress disorder. Depression and Anxiety, 2020, 37, 1026-1036.	4.1	10
81	Neural activity during response inhibition associated with improvement of dysphoric symptoms of PTSD after trauma-focused psychotherapyâ€"an EEG-fMRI study. Translational Psychiatry, 2021, 11, 218.	4.8	10
82	Neurophysiological markers of attention distinguish bipolar disorder and unipolar depression. Journal of Affective Disorders, 2020, 274, 411-419.	4.1	9
83	Intrinsic functional connectivity of the default mode and cognitive control networks relate to change in behavioral performance over two years. Cortex, 2020, 132, 180-190.	2.4	8
84	GSK3B and MAPT Polymorphisms Are Associated with Grey Matter and Intracranial Volume in Healthy Individuals. PLoS ONE, 2013, 8, e71750.	2.5	8
85	The effects of bullying in depression on white matter integrity. Behavioural Brain Research, 2019, 363, 149-154.	2.2	7
86	Altered resting-state neural networks in children and adolescents with functional neurological disorder. NeuroImage: Clinical, 2022, 35, 103110.	2.7	7
87	Neural activity during response inhibition in mild traumatic brain injury and posttraumatic stress disorder. Neurobiology of Stress, 2021, 14, 100308.	4.0	4
88	No support for white matter connectivity differences in the combined and inattentive ADHD presentations. PLoS ONE, 2021, 16, e0245028.	2.5	4
89	Neural correlates of emotional processing in panic disorder. NeuroImage: Clinical, 2021, 32, 102902.	2.7	4
90	Trauma and posttraumatic stress disorder modulate polygenic predictors of hippocampal and amygdala volume. Translational Psychiatry, 2021, 11, 637.	4.8	4

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91	Neural processes during response inhibition in complex posttraumatic stress disorder. Depression and Anxiety, 2022, 39, 307-314.	4.1	4
92	Intrinsic Functional Connectivity in the Default Mode Network Differentiates the Combined and Inattentive Attention Deficit Hyperactivity Disorder Types. Frontiers in Human Neuroscience, 0, 16, .	2.0	4
93	White matter anisotropy and response to cognitive behavior therapy for posttraumatic stress disorder. Translational Psychiatry, 2021, 11, 14.	4.8	3
94	Intrinsic Functional Connectomes Characterize Neuroticism in Major Depressive Disorder and Predict Antidepressant Treatment Outcomes. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 276-284.	1.5	3
95	87. Volume of Sub-Cortical Structures in Posttraumatic Stress Disorder from Multi-Site Investigation by ENIGMA and PGC Consortia. Biological Psychiatry, 2017, 81, S36-S37.	1.3	2
96	T59. Does White Matter Microstructural Integrity Differ in the Combined and Inattentive Subtypes of ADHD? A Diffusion Tensor Imaging Study. Biological Psychiatry, 2018, 83, S151.	1.3	2
97	Negative association between anterior insula activation and resilience during sustained attention: an fMRI twin study. Psychological Medicine, 2023, 53, 3187-3199.	4.5	2
98	Remodeling of the Cortical Structural Connectome in Posttraumatic Stress Disorder: Results From the ENIGMA-PGC Posttraumatic Stress Disorder Consortium. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2022, 7, 935-948.	1.5	2
99	Precision in psychiatryâ€"A roadmap to translate neurobiological measures to the clinic. Bipolar Disorders, 2021, 23, 747-750.	1.9	2
100	247. Structural Networks Characterise Methylphenidate Treatment Response in ADHD. Biological Psychiatry, 2017, 81, S101-S102.	1.3	1
101	253. Functional Connectome Networks Underlying Outcomes of Antidepressant Medication in Major Depressive Disorders. Biological Psychiatry, 2017, 81, S104.	1.3	1
102	Neural Circuits Underlying Treatment-Resistant Depression. Biological Psychiatry, 2020, 87, S311.	1.3	1
103	Cognitive and Executive Contributions to Trail-Making Task Performance on Adolescents With and Without Attention Deficit Hyperactivity Disorder. Journal of Attention Disorders, 2022, 26, 881-892.	2.6	1
104	P.2.c.014 Prediction of antidepressant response in the iSPOT-D trial from baseline fMRI â€“ preliminary findings. European Neuropsychopharmacology, 2012, 22, S258.	0.7	0
105	Emotion circuits differentiate symptoms of psychosis versus mania in adolescents. Neurocase, 2015, 21, 592-600.	0.6	0
106	326. Clustering by Salience Network Activation to Emotional Faces Identifies a Transdiagnostic Subtype that is Associated with Specific Interoceptive Related Symptoms. Biological Psychiatry, 2017, 81, S133-S134.	1.3	0
107	Reply to: Two Methodologies in â€œAmygdala Activation and Connectivity to Emotional Processing Distinguishes Asymptomatic Patients With Bipolar Disorders and Unipolar Depressionâ€•That Can Produce False-Positive Results and Some Statistical Recommendations. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2019, 4, 411-413.	1.5	0
108	Abnormalities in Habenula Functional Connectivity Characterize Treatment-Resistant Depression. Biological Psychiatry, 2021, 89, S352.	1.3	0

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109	Functional and structural connectivity in als: insights from mri connectome analyses and tms. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, e1.17-e1.	1.9	0