

# Vaibhav A Diwadkar

## List of Publications by Year in descending order

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Version: 2024-02-01

100  
papers

3,291  
citations

136950

32  
h-index

175258

52  
g-index

102  
all docs

102  
docs citations

102  
times ranked

4218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural brain abnormalities and suicidal behavior in borderline personality disorder. <i>Journal of Psychiatric Research</i> , 2012, 46, 516-525.	3.1	164
2	Structural brain abnormalities in borderline personality disorder: A voxel-based morphometry study. <i>Psychiatry Research - Neuroimaging</i> , 2008, 164, 223-236.	1.8	145
3	Collaborative Activity between Parietal and Dorso-Lateral Prefrontal Cortex in Dynamic Spatial Working Memory Revealed by fMRI. <i>NeuroImage</i> , 2000, 12, 85-99.	4.2	144
4	Premorbid indicators and risk for schizophrenia: A selective review and update. <i>Schizophrenia Research</i> , 2005, 79, 45-57.	2.0	124
5	Decreased left amygdala and hippocampal volumes in young offspring at risk for schizophrenia. <i>Schizophrenia Research</i> , 2002, 58, 173-183.	2.0	122
6	Psychopathology among offspring of parents with schizophrenia: Relationship to premorbid impairments. <i>Schizophrenia Research</i> , 2008, 103, 114-120.	2.0	101
7	A preliminary functional magnetic resonance imaging study in offspring of schizophrenic parents. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2002, 26, 1143-1149.	4.8	76
8	Common and distinct structural features of schizophrenia and bipolar disorder: The European Network on Psychosis, Affective disorders and Cognitive Trajectory (ENPACT) study. <i>PLoS ONE</i> , 2017, 12, e0188000.	2.5	74
9	Dorsal anterior cingulate cortex modulates supplementary motor area in coordinated unimanual motor behavior. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 309.	2.0	73
10	Genetically predisposed offspring with schizotypal features: An ultra high-risk group for schizophrenia?. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2006, 30, 230-238.	4.8	72
11	Working memory and attention deficits in adolescent offspring of schizophrenia or bipolar patients: Comparing vulnerability markers. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 1349-1354.	4.8	68
12	Neurobiological Divergence of the Positive and Negative Schizophrenia Subtypes Identified on a New Factor Structure of Psychopathology Using Non-negative Factorization: An International Machine Learning Study. <i>Biological Psychiatry</i> , 2020, 87, 282-293.	1.3	68
13	Disordered Corticolimbic Interactions During Affective Processing in Children and Adolescents at Risk for Schizophrenia Revealed by Functional Magnetic Resonance Imaging and Dynamic Causal Modeling. <i>Archives of General Psychiatry</i> , 2012, 69, 231.	12.3	63
14	Premorbid characterization in schizophrenia: the Pittsburgh High Risk Study. <i>World Psychiatry</i> , 2004, 3, 163-8.	10.4	62
15	Decreased amygdala-insula resting state connectivity in behaviorally and emotionally dysregulated youth. <i>Psychiatry Research - Neuroimaging</i> , 2015, 231, 77-86.	1.8	61
16	Impulsivity, aggression and brain structure in high and low lethality suicide attempters with borderline personality disorder. <i>Psychiatry Research - Neuroimaging</i> , 2014, 222, 131-139.	1.8	60
17	Approaching a network connectivity-driven classification of the psychosis continuum: a selective review and suggestions for future research. <i>Frontiers in Human Neuroscience</i> , 2014, 8, 1047.	2.0	56
18	Differences in cortico-striatal-cerebellar activation during working memory in syndromal and nonsyndromal children with prenatal alcohol exposure. <i>Human Brain Mapping</i> , 2013, 34, 1931-1945.	3.6	55

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19	Oculomotor Prediction: A Window into the Psychotic Mind. Trends in Cognitive Sciences, 2017, 21, 344-356.	7.8	54
20	Striatal metabolic alterations in non-psychotic adolescent offspring at risk for schizophrenia: A 1H spectroscopy study. Schizophrenia Research, 2009, 115, 88-93.	2.0	53
21	Cognition and Reward Circuits in Schizophrenia: Synergistic, Not Separate. Biological Psychiatry, 2020, 87, 204-214.	1.3	53
22	Affective context interferes with brain responses during cognitive processing in borderline personality disorder: fMRI evidence. Psychiatry Research - Neuroimaging, 2015, 233, 23-35.	1.8	51
23	Parsing Dimensional vs Diagnostic Category-Related Patterns of Reward Circuitry Function in Behaviorally and Emotionally Dysregulated Youth in the Longitudinal Assessment of Manic Symptoms Study. JAMA Psychiatry, 2014, 71, 71.	11.0	45
24	Dysfunction and Dysconnection in Cortical-Striatal Networks during Sustained Attention: Genetic Risk for Schizophrenia or Bipolar Disorder and its Impact on Brain Network Function. Frontiers in Psychiatry, 2014, 5, 50.	2.6	45
25	Functional dynamics of hippocampal glutamate during associative learning assessed with in vivo 1 H functional magnetic resonance spectroscopy. NeuroImage, 2017, 153, 189-197.	4.2	45
26	Ventral Striatum Functional Connectivity during Rewards and Losses and Symptomatology in Depressed Patients. Biological Psychology, 2017, 123, 62-73.	2.2	45
27	Reduced intra-amygdala activity to positively valenced faces in adolescent schizophrenia offspring. Schizophrenia Research, 2010, 123, 126-136.	2.0	44
28	Abnormalities in MRI-measured signal intensity in the corpus callosum in schizophrenia. Schizophrenia Research, 2004, 67, 277-282.	2.0	42
29	Inefficiently increased anterior cingulate modulation of cortical systems during working memory in young offspring of schizophrenia patients. Journal of Psychiatric Research, 2011, 45, 1067-1076.	3.1	42
30	Impaired associative learning in schizophrenia: behavioral and computational studies. Cognitive Neurodynamics, 2008, 2, 207-219.	4.0	41
31	Model-based dynamical analysis of functional disconnection in schizophrenia. NeuroImage, 2011, 58, 870-877.	4.2	37
32	Abnormal deactivation of the inferior frontal gyrus during implicit emotion processing in youth with bipolar disorder: Attenuated by medication. Journal of Psychiatric Research, 2014, 58, 129-136.	3.1	36
33	Prenatal Alcohol Exposure and Interhemispheric Transfer of Tactile Information: Detroit and Cape Town Findings. Alcoholism: Clinical and Experimental Research, 2009, 33, 1628-1637.	2.4	34
34	The neural correlates of performance in adolescents at risk for schizophrenia: Inefficiently increased cortico-striatal responses measured with fMRI. Journal of Psychiatric Research, 2012, 46, 12-21.	3.1	34
35	Working Memory Modulates Glutamate Levels in the Dorsolateral Prefrontal Cortex during 1H fMRS. Frontiers in Psychiatry, 2018, 9, 66.	2.6	34
36	Potential of motor sub-networks for motor control but not working memory: Interaction of dACC and SMA revealed by resting-state directed functional connectivity. PLoS ONE, 2017, 12, e0172531.	2.5	33

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37	Shared impairment in associative learning in schizophrenia and bipolar disorder. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 1093-1099.	4.8	32
38	Network dysfunction during associative learning in schizophrenia: Increased activation, but decreased connectivity: An fMRI study. <i>Schizophrenia Research</i> , 2013, 148, 38-49.	2.0	32
39	White Matter Structure in Youth With Behavioral and Emotional Dysregulation Disorders. <i>JAMA Psychiatry</i> , 2015, 72, 367.	11.0	32
40	The dorsal prefrontal and dorsal anterior cingulate cortices exert complementary network signatures during encoding and retrieval in associative memory. <i>Behavioural Brain Research</i> , 2015, 290, 152-160.	2.2	31
41	Inferring the Dysconnection Syndrome in Schizophrenia: Interpretational Considerations on Methods for the Network Analyses of fMRI Data. <i>Frontiers in Psychiatry</i> , 2016, 7, 132.	2.6	31
42	Amygdala-prefrontal cortical functional connectivity during implicit emotion processing differentiates youth with bipolar spectrum from youth with externalizing disorders. <i>Journal of Affective Disorders</i> , 2017, 208, 94-100.	4.1	31
43	“Brain over body” A study on the willful regulation of autonomic function during cold exposure. <i>NeuroImage</i> , 2018, 172, 632-641.	4.2	31
44	Impulsivity and aggression mediate regional brain responses in Borderline Personality Disorder: An fMRI study. <i>Psychiatry Research - Neuroimaging</i> , 2017, 260, 76-85.	1.8	30
45	Pharmacological stress impairs working memory performance and attenuates dorsolateral prefrontal cortex glutamate modulation. <i>NeuroImage</i> , 2019, 186, 437-445.	4.2	29
46	Developmental biomarkers in schizophrenia and other psychiatric disorders: common origins, different trajectories?. <i>Epidemiology and Psychiatric Sciences</i> , 2005, 14, 188-193.	3.9	28
47	Oculomotor Delayed Response Abnormalities in Young Offspring and Siblings at Risk for Schizophrenia. <i>CNS Spectrums</i> , 2001, 6, 899-903.	1.2	27
48	Dysfunctional Activation and Brain Network Profiles in Youth with Obsessive-Compulsive Disorder: A Focus on the Dorsal Anterior Cingulate during Working Memory. <i>Frontiers in Human Neuroscience</i> , 2015, 9, 149.	2.0	25
49	Effective connectivity of ascending and descending frontothalamic pathways during sustained attention: Complex brain network interactions in adolescence. <i>Human Brain Mapping</i> , 2016, 37, 2557-2570.	3.6	25
50	Fronto-parietal hypo-activation during working memory independent of structural abnormalities: Conjoint fMRI and sMRI analyses in adolescent offspring of schizophrenia patients. <i>NeuroImage</i> , 2011, 58, 234-241.	4.2	24
51	Temporal Sequencing of Brain Activations During Naturally Occurring Thermoregulatory Events. <i>Cerebral Cortex</i> , 2014, 24, 3006-3013.	2.9	24
52	Hypo-activation in the executive core of the sustained attention network in adolescent offspring of schizophrenia patients mediated by premorbid functional deficits. <i>Psychiatry Research - Neuroimaging</i> , 2011, 192, 91-99.	1.8	23
53	Epigenetics, Stress, and Their Potential Impact on Brain Network Function: A Focus on the Schizophrenia Diatheses. <i>Frontiers in Psychiatry</i> , 2014, 5, 71.	2.6	23
54	The Context of Memory Retrieval. <i>Journal of Memory and Language</i> , 1996, 35, 877-892.	2.1	22

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55	Network Profiles of the Dorsal Anterior Cingulate and Dorsal Prefrontal Cortex in Schizophrenia During Hippocampal-Based Associative Memory. <i>Frontiers in Systems Neuroscience</i> , 2016, 10, 32.	2.5	22
56	Hyper-modulation of brain networks by the amygdala among women with Borderline Personality Disorder: Network signatures of affective interference during cognitive processing. <i>Journal of Psychiatric Research</i> , 2017, 88, 56-63.	3.1	22
57	In vivo correlates of thermoregulatory defense in humans: Temporal course of subcortical and cortical responses assessed with fMRI. <i>Human Brain Mapping</i> , 2016, 37, 3188-3202.	3.6	20
58	Brain network dysfunction in youth with obsessive-compulsive disorder induced by simple uni-manual behavior: The role of the dorsal anterior cingulate cortex. <i>Psychiatry Research - Neuroimaging</i> , 2017, 260, 6-15.	1.8	20
59	Negative Symptoms in Schizophrenia. <i>Clinical Schizophrenia and Related Psychoses</i> , 2014, 8, 28-35B.	1.4	19
60	Twin MRI studies on genetic and environmental determinants of brain morphology and function in the early lifespan. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 109, 139-149.	6.1	19
61	Dynamic causal modeling of eye gaze processing in schizophrenia. <i>Schizophrenia Research</i> , 2021, 229, 112-121.	2.0	18
62	Can Emotional and Behavioral Dysregulation in Youth Be Decoded from Functional Neuroimaging?. <i>PLoS ONE</i> , 2016, 11, e0117603.	2.5	18
63	Hierarchical control systems for the regulation of physiological homeostasis and affect: Can their interactions modulate mood and anhedonia?. <i>Neuroscience and Biobehavioral Reviews</i> , 2019, 105, 251-261.	6.1	17
64	Disordered directional brain network interactions during learning dynamics in schizophrenia revealed by multivariate autoregressive models. <i>Human Brain Mapping</i> , 2020, 41, 3594-3607.	3.6	16
65	Hemodynamic and behavioral peculiarities in response to emotional stimuli in children with attention deficit hyperactivity disorder: An fNIRS study. <i>Journal of Affective Disorders</i> , 2020, 277, 671-680.	4.1	15
66	Newer techniques in magnetic resonance imaging and their potential for neuropsychiatric research. <i>Journal of Psychosomatic Research</i> , 2002, 53, 677-685.	2.6	14
67	fMRI responses to emotional faces in children and adolescents at genetic risk for psychiatric illness share some of the features of depression. <i>Journal of Affective Disorders</i> , 2012, 136, 276-285.	4.1	14
68	Attempts at memory control induce dysfunctional brain activation profiles in Generalized Anxiety Disorder: An exploratory fMRI study. <i>Psychiatry Research - Neuroimaging</i> , 2017, 266, 42-52.	1.8	14
69	Amygdala responses to quetiapine XR and citalopram treatment in major depression: the role of 5-HTTLPR/Lg polymorphisms. <i>Human Psychopharmacology</i> , 2016, 31, 144-155.	1.5	12
70	Regulation of Brown Adipose Tissue Activity by Interoceptive CNS Pathways: The interaction between Brain and Periphery. <i>Frontiers in Neuroscience</i> , 2017, 11, 640.	2.8	12
71	Affective interference in borderline personality disorder: The lethality of suicidal behavior predicts functional brain profiles. <i>Journal of Affective Disorders</i> , 2019, 252, 253-262.	4.1	12
72	Directional Interactions Between Constituents of the Human Large-Scale Thermoregulatory Network. <i>Brain Topography</i> , 2020, 33, 489-503.	1.8	11

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73	Sexual Regional Dimorphism of Post-Adolescent and Middle Age Brain Maturation. A Multi-center 3T MRI Study. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 622054.	3.4	11
74	Cortical-hippocampal functional connectivity during covert consolidation sub-serves associative learning: Evidence for an active "rest" state. <i>Brain and Cognition</i> , 2019, 131, 45-55.	1.8	10
75	Chronological age and its impact on associative learning proficiency and brain structure in middle adulthood. <i>Behavioural Brain Research</i> , 2016, 297, 329-337.	2.2	9
76	Longitudinal Relationships Among Activity in Attention Redirection Neural Circuitry and Symptom Severity in Youth. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2017, 2, 336-345.	1.5	8
77	Activations in gray and white matter are modulated by uni-manual responses during within and inter-hemispheric transfer: effects of response hand and right-handedness. <i>Brain Imaging and Behavior</i> , 2018, 12, 942-961.	2.1	8
78	A neurobiological correlate of stress-induced nicotine-seeking behavior among cigarette smokers. <i>Addiction Biology</i> , 2020, 25, e12819.	2.6	8
79	From mathematics to medicine: A practical primer on topological data analysis (TDA) and the development of related analytic tools for the functional discovery of latent structure in fMRI data. <i>PLoS ONE</i> , 2021, 16, e0255859.	2.5	8
80	Approaches for adolescents with an affected family member with schizophrenia. <i>Current Psychiatry Reports</i> , 2004, 6, 296-302.	4.5	7
81	Response Hand and Motor Set Differentially Modulate the Connectivity of Brain Pathways During Simple Uni-manual Motor Behavior. <i>Brain Topography</i> , 2018, 31, 985-1000.	1.8	7
82	Effective connectivity of brain networks controlling human thermoregulation. <i>Brain Structure and Function</i> , 2022, 227, 299-312.	2.3	7
83	Critical perspectives on causality and inference in brain networks: Allusions, illusions, solutions?. <i>Physics of Life Reviews</i> , 2015, 15, 141-144.	2.8	6
84	Decreased functional connectivity in the fronto-parietal network in children with mood disorders compared to children with dyslexia during rest: An fMRI study. <i>NeuroImage: Clinical</i> , 2018, 18, 582-590.	2.7	6
85	Evoking network profiles of the dorsal anterior cingulate in youth with Obsessive-Compulsive Disorder during motor control and working memory. <i>Journal of Psychiatric Research</i> , 2021, 132, 72-83.	3.1	6
86	Computational Approach to Schizophrenia: Disconnection Syndrome and Dynamical Pharmacology. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	5
87	Are Brain Responses to Emotion a Reliable Endophenotype of Schizophrenia? An Image-Based Functional Magnetic Resonance Imaging Meta-analysis. <i>Biological Psychiatry</i> , 2023, 93, 167-177.	1.3	5
88	From nodes to networks: How methods for defining nodes influence inferences regarding network interactions. <i>Human Brain Mapping</i> , 2019, 40, 1458-1469.	3.6	4
89	Brain Network Dysconnection in Neuropsychiatric Disorders: The Practice of "Normal Science", 2021, , 1-15.		4
90	Ocular measures during associative learning predict recall accuracy. <i>International Journal of Psychophysiology</i> , 2021, 166, 103-115.	1.0	4

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91	Reading related white matter structures in adolescents are influenced more by dysregulation of emotion than behavior. <i>NeuroImage: Clinical</i> , 2017, 15, 732-740.	2.7	3
92	Investigating the Impact of Genetic Background on Brain Dynamic Functional Connectivity Through Machine Learning: A Twins Study. , 2019, , .		3
93	Facial emotion recognition in panic disorder: a mini-review of behavioural studies.. <i>Journal of Affective Disorders</i> , 2021, 282, 173-178.	4.1	3
94	ALE meta-analysis, its role in node identification and the effects on estimates of local network organization. <i>Brain Structure and Function</i> , 2020, 225, 1089-1102.	2.3	2
95	Stimulus valence, episodic memory, and the priming of brain activation profiles in borderline personality disorder. <i>Psychological Medicine</i> , 2022, 52, 4177-4187.	4.5	2
96	The Neurocircuitry Underlying Additive Effects of Safety Instruction on Extinction Learning. <i>Frontiers in Behavioral Neuroscience</i> , 2020, 14, 576247.	2.0	2
97	Emerging insights on the neuroanatomy of schizophrenia. <i>Current Psychosis &amp; Therapeutics Reports</i> , 2003, 1, 28-34.	0.1	1
98	The schizophrenic brain: A broken hermeneutic circle. Some new insights and results. , 2011, , .		1
99	Using machine learning and surface reconstruction to accurately differentiate different trajectories of mood and energy dysregulation in youth. <i>PLoS ONE</i> , 2017, 12, e0180221.	2.5	0
100	Temporal sequencing of brain activations in menopausal hot flashes. <i>FASEB Journal</i> , 2008, 22, 956.10.	0.5	0