Sudhakar Selvaraj

List of Publications by Year
in descending order

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115 papers	5,059 citations	101496 36 h-index	95218 68 g-index
119 all docs	119 docs citations	119 times ranked	7749 citing authors

#	Article	IF	Citations
1	Stress and neuroinflammation: a systematic review of the effects of stress on microglia and the implications for mental illness. Psychopharmacology, 2016, 233, 1637-1650.	1.5	476
2	Common and distinct patterns of grey-matter volume alteration in major depression and bipolar disorder: evidence from voxel-based meta-analysis. Molecular Psychiatry, 2017, 22, 1455-1463.	4.1	446
3	Microglial Activity in People at Ultra High Risk of Psychosis and in Schizophrenia: An [¹¹C]PBR28 PET Brain Imaging Study. American Journal of Psychiatry, 2016, 173, 44-52.	4.0	382
4	Inhibitory control in obesity and binge eating disorder: A systematic review and meta-analysis of neurocognitive and neuroimaging studies. Neuroscience and Biobehavioral Reviews, 2016, 68, 714-726.	2.9	271
5	Grey matter differences in bipolar disorder: a metaâ€analysis of voxelâ€based morphometry studies. Bipolar Disorders, 2012, 14, 135-145.	1.1	243
6	Short-term SSRI treatment normalises amygdala hyperactivity in depressed patients. Psychological Medicine, 2012, 42, 2609-2617.	2.7	202
7	Treatment-Resistant Schizophrenia Patients Show Elevated Anterior Cingulate Cortex Glutamate Compared to Treatment-Responsive. Schizophrenia Bulletin, 2016, 42, 744-752.	2.3	174
8	Alterations in the serotonin system in schizophrenia: A systematic review and meta-analysis of postmortem and molecular imaging studies. Neuroscience and Biobehavioral Reviews, 2014, 45, 233-245.	2.9	167
9	Computational metaâ€analysis of statistical parametric maps in major depression. Human Brain Mapping, 2016, 37, 1393-1404.	1.9	158
10	Short-term antidepressant treatment modulates amygdala response to happy faces. Psychopharmacology, 2009, 206, 197-204.	1.5	96
11	Deep brain stimulation of the medial forebrain bundle: Distinctive responses in resistant depression. Journal of Affective Disorders, 2016, 203, 143-151.	2.0	96
12	Role of Kynurenine pathway and its metabolites in mood disorders: A systematic review and meta-analysis of clinical studies. Neuroscience and Biobehavioral Reviews, 2018, 92, 477-485.	2.9	90
13	Effects of Citalopram Infusion on the Serotonin Transporter Binding of [¹¹C]DASB in Healthy Controls. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 1478-1490.	2.4	89
14	Human 5-HT Transporter Availability Predicts Amygdala ReactivityIn Vivo. Journal of Neuroscience, 2007, 27, 9233-9237.	1.7	86
15	Serotonin transporter polymorphisms (SLC6A4 insertion/deletion and rs25531) do not affect the availability of 5-HTT to [11C] DASB binding in the living human brain. NeuroImage, 2010, 52, 50-54.	2.1	83
16	A longitudinal study on deep brain stimulation of the medial forebrain bundle for treatment-resistant depression. Translational Psychiatry, 2018, 8, 111.	2.4	83
17	Effect of immune activation on the kynurenine pathway and depression symptoms â€“ A systematic review and meta-analysis. Neuroscience and Biobehavioral Reviews, 2020, 118, 514-523.	2.9	82
18	Biomarkers for bipolar disorder: current status and challenges ahead. Expert Review of Neurotherapeutics, 2019, 19, 67-81.	1.4	75

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19	Serotonin and Dopamine Play Complementary Roles in Gambling to Recover Losses. Neuropsychopharmacology, 2011, 36, 402-410.	2.8	70
20	Erythropoietin Improves Mood and Modulates the Cognitive and Neural Processing of Emotion 3 Days Post Administration. Neuropsychopharmacology, 2008, 33, 611-618.	2.8	69
21	5-HTT Binding in Recovered Depressed Patients and Healthy Volunteers: A Positron Emission Tomography Study With [¹¹C]DASB. American Journal of Psychiatry, 2007, 164, 1858-1865.	4.0	66
22	Diminished brain 5-HT transporter binding in major depression: a positron emission tomography study with [11C]DASB. Psychopharmacology, 2011, 213, 555-562.	1.5	65
23	Measuring endogenous changes in serotonergic neurotransmission in humans: a [11C]CUMI-101 PET challenge study. Molecular Psychiatry, 2012, 17, 1254-1260.	4.1	63
24	Increased neural response to fear in patients recovered from depression: a 3T functional magnetic resonance imaging study. Psychological Medicine, 2010, 40, 425-432.	2.7	62
25	Risk of Depression in the Adolescent and Adult Offspring of Mothers With Perinatal Depression. JAMA Network Open, 2020, 3, e208783.	2.8	57
26	Differential effects of erythropoietin on neural and cognitive measures of executive function 3 and 7Âdays post-administration. Experimental Brain Research, 2008, 184, 313-321.	0.7	53
27	From the Prodrome to Chronic Schizophrenia: The Neurobiology Underlying Psychotic Symptoms and Cognitive Impairments. Current Pharmaceutical Design, 2012, 18, 459-465.	0.9	51
28	An EEG-fNIRS hybridization technique in the four-class classification of alzheimerâ€™s disease. Journal of Neuroscience Methods, 2020, 336, 108618.	1.3	51
29	Effect of Citalopram on Emotion Processing in Humans: A Combined 5-HT1A [11C]CUMI-101 PET and Functional MRI Study. Neuropsychopharmacology, 2018, 43, 655-664.	2.8	49
30	Brain TSPO imaging and gray matter volume in schizophrenia patients and in people at ultra high risk of psychosis: An [11C]PBR28 study. Schizophrenia Research, 2018, 195, 206-214.	1.1	48
31	Differential effects of citalopram and reboxetine on cortical Glx measured with proton MR spectroscopy. Journal of Psychopharmacology, 2008, 22, 473-476.	2.0	46
32	Brain serotonin transporter binding in former users of MDMA (â€˜ecstasyâ€™). British Journal of Psychiatry, 2009, 194, 355-359.	1.7	45
33	The Predictive Power of Brain mRNA Mappings for in vivo Protein Density: A Positron Emission Tomography Correlation Study. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 827-835.	2.4	44
34	Dopamine Function in Cigarette Smokers: An [18F]-DOPA PET Study. Neuropsychopharmacology, 2014, 39, 2397-2404.	2.8	43
35	GABA _A receptor availability is not altered in adults with autism spectrum disorder or in mouse models. Science Translational Medicine, 2018, 10, .	5.8	41
36	The effect of ageing on grey and white matter reductions in schizophrenia. Schizophrenia Research, 2009, 112, 7-13.	1.1	39

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37	The medial forebrain bundle as a deep brain stimulation target for treatment resistant depression: A review of published data. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2015, 58, 59-70.	2.5	39
38	The practical management of refractory schizophrenia - the Maudsley Treatment REview and Assessment Team service approach. Acta Psychiatrica Scandinavica, 2014, 130, 427-438.	2.2	38
39	Normal glutamate but elevated myo-inositol in anterior cingulate cortex in recovered depressed patients. Journal of Affective Disorders, 2009, 119, 186-189.	2.0	37
40	Presynaptic 5-HT1A is Related to 5-HTT Receptor Density in the Human Brain. Neuropsychopharmacology, 2011, 36, 2258-2265.	2.8	35
41	Development and validation of a brain maturation index using longitudinal neuroanatomical scans. NeuroImage, 2015, 117, 311-318.	2.1	34
42	Revisiting monoamine oxidase inhibitors for the treatment of depressive disorders: A systematic review and network meta-analysis. Journal of Affective Disorders, 2021, 282, 1153-1160.	2.0	33
43	Decreased regional gray matter volume in Sâ€™ allele carriers of the 5-HTTLPR triallelic polymorphism. Molecular Psychiatry, 2011, 16, 472-473.	4.1	32
44	Angiogenic gene networks are dysregulated in opioid use disorder: evidence from multi-omics and imaging of postmortem human brain. Molecular Psychiatry, 2021, 26, 7803-7812.	4.1	31
45	A Double-Blind, Randomized, Placebo-Controlled Study of Aspirin and N-Acetylcysteine as Adjunctive Treatments for Bipolar Depression. Journal of Clinical Psychiatry, 2018, 80, .	1.1	31
46	Quantification of Ligand PET Studies using a Reference Region with a Displaceable Fraction: Application to Occupancy Studies with [11C]-DASB as an Example. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 70-80.	2.4	30
47	Early increase in marker of neuronal integrity with antidepressant treatment of major depression: 1H-magnetic resonance spectroscopy of N-acetyl-aspartate. International Journal of Neuropsychopharmacology, 2012, 15, 1541-1546.	1.0	30
48	Maternal deprivation increases microglial activation and neuroinflammatory markers in the prefrontal cortex and hippocampus of infant rats. Journal of Psychiatric Research, 2019, 115, 13-20.	1.5	29
49	The effects of serotonin modulation on medial prefrontal connectivity strength and stability: A pharmacological fMRI study with citalopram. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 84, 152-159.	2.5	28
50	Prediction of pediatric unipolar depression using multiple neuromorphometric measurements: A pattern classification approach. Journal of Psychiatric Research, 2015, 62, 84-91.	1.5	26
51	Evidence of altered membrane phospholipid metabolism in the anterior cingulate cortex and striatum of patients with bipolar disorder I: A multi-voxel 1H MRS study. Journal of Psychiatric Research, 2016, 81, 48-55.	1.5	23
52	Neuroinflammation trajectories precede cognitive impairment after experimental meningitisâ€”evidence from an in vivo PET study. Journal of Neuroinflammation, 2020, 17, 5.	3.1	21
53	Stress, inflammation and hippocampal subfields in depression: A 7 Tesla MRI Study. Translational Psychiatry, 2020, 10, 78.	2.4	21
54	Development of the National Network of Depression Centers Mood Outcomes Program: A Multisite Platform for Measurement-Based Care. Psychiatric Services, 2020, 71, 456-464.	1.1	20

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55	Brain controllability distinctiveness between depression and cognitive impairment. Journal of Affective Disorders, 2021, 294, 847-856.	2.0	20
56	Presynaptic Serotoninergic Regulation of Emotional Processing: A Multimodal Brain Imaging Study. Biological Psychiatry, 2015, 78, 563-571.	0.7	19
57	Reduced Inhibitory Control Mediates the Relationship Between Cortical Thickness in the Right Superior Frontal Gyrus and Body Mass Index. Neuropsychopharmacology, 2016, 41, 2275-2282.	2.8	19
58	Elevated Choline-Containing Compound Levels in Rapid Cycling Bipolar Disorder. Neuropsychopharmacology, 2017, 42, 2252-2258.	2.8	16
59	A metaâ€analysis of the global impact of the COVIDâ€19 pandemic on stroke care & the Houston Experience. Annals of Clinical and Translational Neurology, 2021, 8, 929-937.	1.7	16
60	Prescription fill patterns for benzodiazepine and opioid drugs during the COVID-19 pandemic in the United States. Drug and Alcohol Dependence, 2021, 229, 109176.	1.6	12
61	Blood-based biomarkers of antidepressant response to ketamine and esketamine: A systematic review and meta-analysis. Molecular Psychiatry, 2022, 27, 3658-3669.	4.1	12
62	Erythropoietin has no effect on hippocampal response during memory retrieval 3Âdays post-administration. Psychopharmacology, 2007, 195, 451-453.	1.5	10
63	Response to Narendran and Frankle: The Interpretation of PET Microglial Imaging in Schizophrenia. American Journal of Psychiatry, 2016, 173, 537-538.	4.0	10
64	Deep brain stimulation of the â€œmedial forebrain bundleâ€: sustained efficacy of antidepressant effect over years. Molecular Psychiatry, 2022, 27, 2546-2553.	4.1	10
65	Carriage of the Sâ€² allele serotonin transporter polymorphisms (SLC6A4 insertion/deletion and rs25531) may influence brain morphology. Molecular Psychiatry, 2011, 16, 471-471.	4.1	8
66	Eotaxin-1/CCL11 correlates with left superior temporal gyrus in bipolar disorder: A preliminary report suggesting accelerated brain aging. Journal of Affective Disorders, 2020, 273, 592-596.	2.0	8
67	The relationship between reward and punishment processing and the 5-HT1A receptor as shown by PET. Psychopharmacology, 2014, 231, 2579-2586.	1.5	7
68	Journal Metrics in Psychiatry: What do the rankings tell us?. Journal of Affective Disorders, 2021, 287, 354-358.	2.0	7
69	Personalizing repetitive transcranial magnetic stimulation for precision depression treatment based on functional brain network controllability and optimal control analysis. NeuroImage, 2022, 260, 119465.	2.1	7
70	Alterations in brain synaptic proteins and mRNAs in mood disorders: a systematic review and meta-analysis of postmortem brain studies. Molecular Psychiatry, 2022, 27, 1362-1372.	4.1	6
71	Anxiety symptoms and suicidal thoughts and behaviors among patients with mood disorders. Journal of Affective Disorders, 2022, 307, 171-177.	2.0	6
72	Effects of escitalopram therapy on functional brain controllability in major depressive disorder. Journal of Affective Disorders, 2022, 310, 68-74.	2.0	6

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73	Is clinical intervention in the ultra high risk phase effective?. Revista Brasileira De Psiquiatria, 2011, 33, s161-s174.	0.9	5
74	Neurophysiological Effect of Ketamine on Prefrontal Cortex in Treatment-Resistant Depression: A Combined Transcranial Magnetic Stimulationâ€“Electroencephalography Study. Chronic Stress, 2019, 3, 247054701986141.	1.7	4
75	Development of Brain Structural Networks Over Age 8: A Preliminary Study Based on Diffusion Weighted Imaging. Frontiers in Aging Neuroscience, 2020, 12, 61.	1.7	4
76	Digital Technology Needs in Maternal Mental Health: A Qualitative Inquiry. Studies in Health Technology and Informatics, 2021, 281, 979-983.	0.2	4
77	Anesthesia for patients with psychiatric illnesses: a narrative review with emphasis on preoperative assessment and postoperative recovery and pain. Minerva Anestesiologica, 2020, 86, 1089-1102.	0.6	4
78	White matter microstructure associated with anhedonia among individuals with bipolar disorders and high-risk for bipolar disorders. Journal of Affective Disorders, 2022, 300, 91-98.	2.0	4
79	Tryptophan depletion does not lower brain GABA levels in healthy volunteers. Psychopharmacology, 2006, 187, 131-132.	1.5	3
80	Dopamine transporter imaging: nonindependence of regional measures. Molecular Psychiatry, 2014, 19, 964-964.	4.1	3
81	Tapering of SSRI treatment to mitigate withdrawal symptoms. Lancet Psychiatry,the, 2019, 6, 560-561.	3.7	3
82	Correlations between peripheral levels of inflammatory mediators and frontolimbic structures in bipolar disorder: an exploratory analysis. CNS Spectrums, 2022, 27, 639-644.	0.7	3
83	The impact of early life stress and immune challenge on behavior and glia cells alteration in late adolescent rats. International Journal of Developmental Neuroscience, 2021, 81, 407-415.	0.7	3
84	Early screening for post-stroke depression, and the effect on functional outcomes, quality of life and mortality: a protocol for a systematic review and meta-analysis. BMJ Open, 2021, 11, e050451.	0.8	3
85	A narrative review on invasive brain stimulation for treatment-resistant depression. Revista Brasileira De Psiquiatria, 2022, 44, 317-330.	0.9	3
86	Molecular Imaging of Bloodâ€“Brain Barrier Permeability in Preclinical Models Using PET and SPECT. Neuromethods, 2019, , 329-342.	0.2	3
87	The Limits between Schizophrenia and Bipolar Disorder: What Do Magnetic Resonance Findings Tell Us?. Behavioral Sciences (Basel, Switzerland), 2022, 12, 78.	1.0	3
88	Effective connectivity between resting-state networks in depression. Journal of Affective Disorders, 2022, 307, 79-86.	2.0	3
89	Mobile Health Applications for Postpartum Depression Management: A Theory-Informed Analysis of Change-Use-Engagement (CUE) Criteria in the Digital Environment. Studies in Health Technology and Informatics, 2022, , .	0.2	2
90	Effects of citalopram on serotonin neurotransmission. Molecular Psychiatry, 2012, 17, 1143-1143.	4.1	1

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91	Lifetime Suicide Attempts Associated With History of Psychosis in Patients With Bipolar Disorder. Biological Psychiatry, 2020, 87, S408.	0.7	1
92	Electrophysiological Biomarkers for Mood Disorders. , 2021, , 175-191.		1
93	Effects of Lithium on Brain Structure in Bipolar Disorder. , 2021, , 219-235.		1
94	A multicenter positron emission tomography study of GABA receptor availability in adults with autism. European Neuropsychopharmacology, 2017, 27, S716-S717.	0.3	0
95	T159. Effect of Ketamine on Prefrontal Cortex Excitability in Treatment Resistant Depression. Biological Psychiatry, 2018, 83, S189-S190.	0.7	0
96	Brain Imaging and the Mechanisms of Antidepressant Action. , 2021, , 248-260.		0
97	Brain Imaging of Reward Dysfunction in Unipolar and Bipolar Disorders. , 2021, , 39-48.		0
98	Molecular Imaging of Dopamine and Antipsychotics in Bipolar Disorder. , 2021, , 236-247.		0
99	Magnetoencephalography Studies in Mood Disorders. , 2021, , 192-205.		0
100	Functional Near-Infrared Spectroscopy Studies in Mood Disorders. , 2021, , 166-174.		0
101	Neuroimaging Studies of Effects of Psychotherapy in Depression. , 2021, , 261-272.		0
102	Neuroimaging Brain Inflammation in Mood Disorders. , 2021, , 121-134.		0
103	An Overview of Machine Learning Applications in Mood Disorders. , 2021, , 206-218.		0
104	Neuroanatomical Findings in Bipolar Disorder. , 2021, , 16-27.		0
105	Imaging Glutamatergic and GABAergic Abnormalities in Mood Disorders. , 2021, , 105-120.		0
106	Magnetic Resonance Spectroscopy Investigations of Bioenergy and Mitochondrial Function in Mood Disorders. , 2021, , 83-104.		0
107	Brain Imaging Methods in Mood Disorders. , 2021, , 1-6.		0
108	Taking care of medical students: the pillars of future healthcare. Revista Brasileira De Psiquiatria, 2021, 43, 4-5.	0.9	0

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109	Neuroimaging Biomarkers in Pediatric Mood Disorders. , 2021, , 28-38.		0
110	Neuroanatomical Findings in Unipolar Depression and the Role of the Hippocampus. , 2021, , 7-15.		0
111	Functional Connectome in Bipolar Disorder. , 2021, , 59-82.		0
112	Resting-State Functional Connectivity in Unipolar Depression. , 2021, , 49-58.		0
113	Imaging Genetic and Epigenetic Markers in Mood Disorders. , 2021, , 135-150.		0
114	fMRI Neurofeedback as Treatment for Depression. , 2021, , 151-165.		0
115	Perinatal Psychiatry: Ready for Prime Time?. Agents and Actions Supplements, 2020, , 1-9.	0.2	0