

Sudhakar Selvaraj

List of Publications by Citations

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106
papers

3,551
citations

33
h-index

59
g-index

119
ext. papers

4,397
ext. citations

6.7
avg, IF

5.21
L-index

#	Paper	IF	Citations
106	Stress and neuroinflammation: a systematic review of the effects of stress on microglia and the implications for mental illness. <i>Psychopharmacology</i> , 2016 , 233, 1637-50	4.7	288
105	Microglial Activity in People at Ultra High Risk of Psychosis and in Schizophrenia: An [(11)C]PBR28 PET Brain Imaging Study. <i>American Journal of Psychiatry</i> , 2016 , 173, 44-52	11.9	286
104	Common and distinct patterns of grey-matter volume alteration in major depression and bipolar disorder: evidence from voxel-based meta-analysis. <i>Molecular Psychiatry</i> , 2017 , 22, 1455-1463	15.1	284
103	Grey matter differences in bipolar disorder: a meta-analysis of voxel-based morphometry studies. <i>Bipolar Disorders</i> , 2012 , 14, 135-45	3.8	216
102	Inhibitory control in obesity and binge eating disorder: A systematic review and meta-analysis of neurocognitive and neuroimaging studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2016 , 68, 714-726	9	179
101	Short-term SSRI treatment normalises amygdala hyperactivity in depressed patients. <i>Psychological Medicine</i> , 2012 , 42, 2609-17	6.9	160
100	Alterations in the serotonin system in schizophrenia: a systematic review and meta-analysis of postmortem and molecular imaging studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2014 , 45, 233-45	9	129
99	Treatment-Resistant Schizophrenia Patients Show Elevated Anterior Cingulate Cortex Glutamate Compared to Treatment-Responsive. <i>Schizophrenia Bulletin</i> , 2016 , 42, 744-52	1.3	120
98	Computational meta-analysis of statistical parametric maps in major depression. <i>Human Brain Mapping</i> , 2016 , 37, 1393-404	5.9	117
97	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. <i>NeuroImage</i> , 2010 , 52, 50-4	7.9	80
96	Short-term antidepressant treatment modulates amygdala response to happy faces. <i>Psychopharmacology</i> , 2009 , 206, 197-204	4.7	78
95	Human 5-HT transporter availability predicts amygdala reactivity in vivo. <i>Journal of Neuroscience</i> , 2007 , 27, 9233-7	6.6	77
94	Deep brain stimulation of the medial forebrain bundle: Distinctive responses in resistant depression. <i>Journal of Affective Disorders</i> , 2016 , 203, 143-151	6.6	66
93	Effects of citalopram infusion on the serotonin transporter binding of [11C]DASB in healthy controls. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 1478-90	7.3	62
92	Erythropoietin improves mood and modulates the cognitive and neural processing of emotion 3 days post administration. <i>Neuropsychopharmacology</i> , 2008 , 33, 611-8	8.7	62
91	5-HTT binding in recovered depressed patients and healthy volunteers: a positron emission tomography study with [11C]DASB. <i>American Journal of Psychiatry</i> , 2007 , 164, 1858-65	11.9	62
90	Serotonin and dopamine play complementary roles in gambling to recover losses. <i>Neuropsychopharmacology</i> , 2011 , 36, 402-10	8.7	58

89	Role of Kynurenine pathway and its metabolites in mood disorders: A systematic review and meta-analysis of clinical studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2018 , 92, 477-485	9	58
88	Measuring endogenous changes in serotonergic neurotransmission in humans: a [11C]CUMI-101 PET challenge study. <i>Molecular Psychiatry</i> , 2012 , 17, 1254-60	15.1	56
87	Diminished brain 5-HT transporter binding in major depression: a positron emission tomography study with [11C]DASB. <i>Psychopharmacology</i> , 2011 , 213, 555-62	4.7	54
86	Increased neural response to fear in patients recovered from depression: a 3T functional magnetic resonance imaging study. <i>Psychological Medicine</i> , 2010 , 40, 425-32	6.9	54
85	Biomarkers for bipolar disorder: current status and challenges ahead. <i>Expert Review of Neurotherapeutics</i> , 2019 , 19, 67-81	4.3	48
84	Differential effects of erythropoietin on neural and cognitive measures of executive function 3 and 7 days post-administration. <i>Experimental Brain Research</i> , 2008 , 184, 313-21	2.3	44
83	From the prodrome to chronic schizophrenia: the neurobiology underlying psychotic symptoms and cognitive impairments. <i>Current Pharmaceutical Design</i> , 2012 , 18, 459-65	3.3	43
82	A longitudinal study on deep brain stimulation of the medial forebrain bundle for treatment-resistant depression. <i>Translational Psychiatry</i> , 2018 , 8, 111	8.6	42
81	Brain serotonin transporter binding in former users of MDMA (Ecstasy). <i>British Journal of Psychiatry</i> , 2009 , 194, 355-9	5.4	42
80	Dopamine function in cigarette smokers: an [11C]-DOPA PET study. <i>Neuropsychopharmacology</i> , 2014 , 39, 2397-404	8.7	37
79	Brain TSPO imaging and gray matter volume in schizophrenia patients and in people at ultra high risk of psychosis: An [11C]PBR28 study. <i>Schizophrenia Research</i> , 2018 , 195, 206-214	3.6	35
78	The effect of ageing on grey and white matter reductions in schizophrenia. <i>Schizophrenia Research</i> , 2009 , 112, 7-13	3.6	35
77	Differential effects of citalopram and reboxetine on cortical Glx measured with proton MR spectroscopy. <i>Journal of Psychopharmacology</i> , 2008 , 22, 473-6	4.6	35
76	Effect of immune activation on the kynurenine pathway and depression symptoms - A systematic review and meta-analysis. <i>Neuroscience and Biobehavioral Reviews</i> , 2020 , 118, 514-523	9	35
75	Presynaptic 5-HT1A is related to 5-HTT receptor density in the human brain. <i>Neuropsychopharmacology</i> , 2011 , 36, 2258-65	8.7	34
74	Effect of Citalopram on Emotion Processing in Humans: A Combined 5-HT [11C]CUMI-101 PET and Functional MRI Study. <i>Neuropsychopharmacology</i> , 2018 , 43, 655-664	8.7	34
73	Normal glutamate but elevated myo-inositol in anterior cingulate cortex in recovered depressed patients. <i>Journal of Affective Disorders</i> , 2009 , 119, 186-9	6.6	33
72	The predictive power of brain mRNA mappings for in vivo protein density: a positron emission tomography correlation study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014 , 34, 827-35	7.3	31

71	The medial forebrain bundle as a deep brain stimulation target for treatment resistant depression: A review of published data. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015 , 58, 59-70	5.5	29
70	Decreased regional gray matter volume in SR allele carriers of the 5-HTTLPR triallelic polymorphism. <i>Molecular Psychiatry</i> , 2011 , 16, 471, 472-3	15.1	28
69	Quantification of ligand PET studies using a reference region with a displaceable fraction: application to occupancy studies with [(11)C]-DASB as an example. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012 , 32, 70-80	7.3	28
68	GABA receptor availability is not altered in adults with autism spectrum disorder or in mouse models. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	26
67	Development and validation of a brain maturation index using longitudinal neuroanatomical scans. <i>NeuroImage</i> , 2015 , 117, 311-8	7.9	25
66	The practical management of refractory schizophrenia--the Maudsley Treatment Review and Assessment Team service approach. <i>Acta Psychiatrica Scandinavica</i> , 2014 , 130, 427-38	6.5	25
65	Early increase in marker of neuronal integrity with antidepressant treatment of major depression: 1H-magnetic resonance spectroscopy of N-acetyl-aspartate. <i>International Journal of Neuropsychopharmacology</i> , 2012 , 15, 1541-6	5.8	24
64	A Double-Blind, Randomized, Placebo-Controlled Study of Aspirin and N-Acetylcysteine as Adjunctive Treatments for Bipolar Depression. <i>Journal of Clinical Psychiatry</i> , 2018 , 80,	4.6	23
63	Prediction of pediatric unipolar depression using multiple neuromorphometric measurements: a pattern classification approach. <i>Journal of Psychiatric Research</i> , 2015 , 62, 84-91	5.2	22
62	An EEG-fNIRS hybridization technique in the four-class classification of alzheimer's disease. <i>Journal of Neuroscience Methods</i> , 2020 , 336, 108618	3	22
61	Maternal deprivation increases microglial activation and neuroinflammatory markers in the prefrontal cortex and hippocampus of infant rats. <i>Journal of Psychiatric Research</i> , 2019 , 115, 13-20	5.2	18
60	Evidence of altered membrane phospholipid metabolism in the anterior cingulate cortex and striatum of patients with bipolar disorder I: A multi-voxel (1)H MRS study. <i>Journal of Psychiatric Research</i> , 2016 , 81, 48-55	5.2	18
59	Presynaptic Serotonergic Regulation of Emotional Processing: A Multimodal Brain Imaging Study. <i>Biological Psychiatry</i> , 2015 , 78, 563-571	7.9	16
58	Risk of Depression in the Adolescent and Adult Offspring of Mothers With Perinatal Depression: A Systematic Review and Meta-analysis. <i>JAMA Network Open</i> , 2020 , 3, e208783	10.4	15
57	The effects of serotonin modulation on medial prefrontal connectivity strength and stability: A pharmacological fMRI study with citalopram. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018 , 84, 152-159	5.5	12
56	Reduced Inhibitory Control Mediates the Relationship Between Cortical Thickness in the Right Superior Frontal Gyrus and Body Mass Index. <i>Neuropsychopharmacology</i> , 2016 , 41, 2275-82	8.7	12
55	Stress, inflammation and hippocampal subfields in depression: A 7 Tesla MRI Study. <i>Translational Psychiatry</i> , 2020 , 10, 78	8.6	11
54	Development of the National Network of Depression Centers Mood Outcomes Program: A Multisite Platform for Measurement-Based Care. <i>Psychiatric Services</i> , 2020 , 71, 456-464	3.3	11

53	Erythropoietin has no effect on hippocampal response during memory retrieval 3 days post-administration. <i>Psychopharmacology</i> , 2007 , 195, 451-3	4.7	10
52	Elevated Choline-Containing Compound Levels in Rapid Cycling Bipolar Disorder. <i>Neuropsychopharmacology</i> , 2017 , 42, 2252-2258	8.7	9
51	Neuroinflammation trajectories precede cognitive impairment after experimental meningitis-evidence from an in vivo PET study. <i>Journal of Neuroinflammation</i> , 2020 , 17, 5	10.1	9
50	Revisiting monoamine oxidase inhibitors for the treatment of depressive disorders: A systematic review and network meta-analysis. <i>Journal of Affective Disorders</i> , 2021 , 282, 1153-1160	6.6	9
49	Response to Narendran and Frankle: The Interpretation of PET Microglial Imaging in Schizophrenia. <i>American Journal of Psychiatry</i> , 2016 , 173, 537-8	11.9	8
48	Carriage of the S7 allele serotonin transporter polymorphisms (SLC6A4 insertion/deletion and rs25531) may influence brain morphology. <i>Molecular Psychiatry</i> , 2011 , 16, 471-471	15.1	8
47	A meta-analysis of the global impact of the COVID-19 pandemic on stroke care & the Houston Experience. <i>Annals of Clinical and Translational Neurology</i> , 2021 , 8, 929-937	5.3	8
46	The relationship between reward and punishment processing and the 5-HT1A receptor as shown by PET. <i>Psychopharmacology</i> , 2014 , 231, 2579-86	4.7	7
45	Eotaxin-1/CCL11 correlates with left superior temporal gyrus in bipolar disorder: A preliminary report suggesting accelerated brain aging. <i>Journal of Affective Disorders</i> , 2020 , 273, 592-596	6.6	4
44	Angiogenic gene networks are dysregulated in opioid use disorder: evidence from multi-omics and imaging of postmortem human brain. <i>Molecular Psychiatry</i> , 2021 ,	15.1	4
43	Brain controllability distinctiveness between depression and cognitive impairment. <i>Journal of Affective Disorders</i> , 2021 , 294, 847-856	6.6	4
42	Development of Brain Structural Networks Over Age 8: A Preliminary Study Based on Diffusion Weighted Imaging. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 61	5.3	3
41	Is clinical intervention in the ultra high risk phase effective?. <i>Revista Brasileira De Psiquiatria</i> , 2011 , 33 Suppl 2, s161-74	2.6	3
40	Tryptophan depletion does not lower brain GABA levels in healthy volunteers. <i>Psychopharmacology</i> , 2006 , 187, 131-2	4.7	3
39	Prescription fill patterns for benzodiazepine and opioid drugs during the COVID-19 pandemic in the United States. <i>Drug and Alcohol Dependence</i> , 2021 , 229, 109176	4.9	3
38	Anesthesia for patients with psychiatric illnesses: a narrative review with emphasis on preoperative assessment and postoperative recovery and pain. <i>Minerva Anestesiologica</i> , 2020 , 86, 1089-1102	1.9	3
37	Journal Metrics in Psychiatry: What do the rankings tell us?. <i>Journal of Affective Disorders</i> , 2021 , 287, 354-358	6.6	3
36	Tapering of SSRI treatment to mitigate withdrawal symptoms. <i>Lancet Psychiatry</i> , 2019 , 6, 560-561	23.3	2

35	Digital Technology Needs in Maternal Mental Health: A Qualitative Inquiry. <i>Studies in Health Technology and Informatics</i> , 2021 , 281, 979-983	0.5	2
34	Dopamine transporter imaging: nonindependence of regional measures. <i>Molecular Psychiatry</i> , 2014 , 19, 964	15.1	1
33	Effects of citalopram on serotonin neurotransmission. <i>Molecular Psychiatry</i> , 2012 , 17, 1143	15.1	1
32	Molecular Imaging of BloodBrain Barrier Permeability in Preclinical Models Using PET and SPECT. <i>Neuromethods</i> , 2019 , 329-342	0.4	1
31	The impact of early life stress and immune challenge on behavior and glia cells alteration in late adolescent rats. <i>International Journal of Developmental Neuroscience</i> , 2021 , 81, 407-415	2.7	1
30	Electrophysiological Biomarkers for Mood Disorders 2021 , 175-191		1
29	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. <i>BMJ Open</i> , 2021 , 11, e050451	3	1
28	A narrative review on invasive brain stimulation for treatment-resistant depression. <i>Revista Brasileira De Psiquiatria</i> , 2021 ,	2.6	1
27	Neurophysiological Effect of Ketamine on Prefrontal Cortex in Treatment-Resistant Depression: A Combined Transcranial Magnetic Stimulation-Electroencephalography Study. <i>Chronic Stress</i> , 2019 , 3, 2470547019861417	3	0
26	Alterations in brain synaptic proteins and mRNAs in mood disorders: a systematic review and meta-analysis of postmortem brain studies.. <i>Molecular Psychiatry</i> , 2022 ,	15.1	0
25	White matter microstructure associated with anhedonia among individuals with bipolar disorders and high-risk for bipolar disorders.. <i>Journal of Affective Disorders</i> , 2021 , 300, 91-91	6.6	0
24	Effects of escitalopram therapy on functional brain controllability in major depressive disorder.. <i>Journal of Affective Disorders</i> , 2022 , 310, 68-74	6.6	0
23	Mobile Health Applications for Postpartum Depression Management: A Theory-Informed Analysis of Change-Use-Engagement (CUE) Criteria in the Digital Environment. <i>Studies in Health Technology and Informatics</i> , 2022 ,	0.5	0
22	A multicenter positron emission tomography study of GABA receptor availability in adults with autism. <i>European Neuropsychopharmacology</i> , 2017 , 27, S716-S717	1.2	
21	Perinatal Psychiatry: Ready for Prime Time?. <i>Agents and Actions Supplements</i> , 2020 , 1-9	0.2	
20	Correlations between peripheral levels of inflammatory mediators and frontolimbic structures in bipolar disorder: an exploratory analysis. <i>CNS Spectrums</i> , 2021 , 1-6	1.8	
19	Brain Imaging and the Mechanisms of Antidepressant Action 2021 , 248-260		
18	Brain Imaging of Reward Dysfunction in Unipolar and Bipolar Disorders 2021 , 39-48		

- 17 Molecular Imaging of Dopamine and Antipsychotics in Bipolar Disorder **2021**, 236-247
- 16 Magnetoencephalography Studies in Mood Disorders **2021**, 192-205
- 15 Functional Near-Infrared Spectroscopy Studies in Mood Disorders **2021**, 166-174
- 14 Neuroimaging Studies of Effects of Psychotherapy in Depression **2021**, 261-272
- 13 Neuroimaging Brain Inflammation in Mood Disorders **2021**, 121-134
- 12 An Overview of Machine Learning Applications in Mood Disorders **2021**, 206-218
- 11 Neuroanatomical Findings in Bipolar Disorder **2021**, 16-27
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- 8 Brain Imaging Methods in Mood Disorders **2021**, 1-6
- 7 Effects of Lithium on Brain Structure in Bipolar Disorder **2021**, 219-235
- 6 Neuroimaging Biomarkers in Pediatric Mood Disorders **2021**, 28-38
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- 4 Functional Connectome in Bipolar Disorder **2021**, 59-82
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- 1 fMRI Neurofeedback as Treatment for Depression **2021**, 151-165