

Ravi Bansal

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,459
citations

279798

23
h-index

214800

47
g-index

50
all docs

50
docs citations

50
times ranked

5552
citing authors

#	ARTICLE	IF	CITATIONS
1	Using tissue microstructure and multimodal MRI to parse the phenotypic heterogeneity and cellular basis of autism spectrum disorder. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2022, 63, 855-870.	5.2	5
2	Cluster-level statistical inference in fMRI datasets: The unexpected behavior of random fields in high dimensions. <i>Magnetic Resonance Imaging</i> , 2022, 87, 19-31.	1.8	0
3	Prenatal exposure to air pollution is associated with altered brain structure, function, and metabolism in childhood. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2022, 63, 1316-1331.	5.2	32
4	Use of random matrix theory in the discovery of resting state brain networks. <i>Magnetic Resonance Imaging</i> , 2021, 77, 69-87.	1.8	1
5	A Sequential Multiple Assignment Randomized Trial (SMART) study of medication and CBT sequencing in the treatment of pediatric anxiety disorders. <i>BMC Psychiatry</i> , 2021, 21, 323.	2.6	2
6	Association of Prenatal Zinc Consumption With Newborn Brain Tissue Organization and Resting Cerebral Blood Flow. <i>Current Developments in Nutrition</i> , 2021, 5, 718.	0.3	0
7	Association of Prenatal Sugar Consumption with Newborn Brain Tissue Organization. <i>Nutrients</i> , 2021, 13, 2435.	4.1	3
8	Managing therapy-associated neurotoxicity in children with ALL. <i>Hematology American Society of Hematology Education Program</i> , 2021, 2021, 376-383.	2.5	4
9	Parsing the Heterogeneity of Brain Metabolic Disturbances in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2020, 87, 174-184.	1.3	17
10	Prenatal socioeconomic status and social support are associated with neonatal brain morphology, toddler language and psychiatric symptoms. <i>Child Neuropsychology</i> , 2020, 26, 170-188.	1.3	40
11	Associations of Maternal Prenatal Drug Abuse With Measures of Newborn Brain Structure, Tissue Organization, and Metabolite Concentrations. <i>JAMA Pediatrics</i> , 2020, 174, 831.	6.2	23
12	Neonatal brain metabolite concentrations: Associations with age, sex, and developmental outcomes. <i>PLoS ONE</i> , 2020, 15, e0243255.	2.5	8
13	Cortical Thinning and Neuropsychologic Measures Predict CD19 CAR T Cell Therapy-Associated Neurotoxicity. <i>Blood</i> , 2020, 136, 26-27.	1.4	0
14	Effects of the antidepressant medication duloxetine on brain metabolites in persistent depressive disorder: A randomized, controlled trial. <i>PLoS ONE</i> , 2019, 14, e0219679.	2.5	5
15	Hyperperfusion of Frontal White and Subcortical Gray Matter in Autism Spectrum Disorder. <i>Biological Psychiatry</i> , 2019, 85, 584-595.	1.3	24
16	Associations Between Brain Structure and Connectivity in Infants and Exposure to Selective Serotonin Reuptake Inhibitors During Pregnancy. <i>JAMA Pediatrics</i> , 2018, 172, 525.	6.2	95
17	Cluster-level statistical inference in fMRI datasets: The unexpected behavior of random fields in high dimensions. <i>Magnetic Resonance Imaging</i> , 2018, 49, 101-115.	1.8	29
18	Proton Chemical Shift Imaging of the Brain in Pediatric and Adult Developmental Stuttering. <i>JAMA Psychiatry</i> , 2017, 74, 85.	11.0	9

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19	Reduced perfusion in Broca's area in developmental stuttering. <i>Human Brain Mapping</i> , 2017, 38, 1865-1874.	3.6	30
20	Segmenting and validating brain tissue definitions in the presence of varying tissue contrast. <i>Magnetic Resonance Imaging</i> , 2017, 35, 98-116.	1.8	2
21	Serotonin signaling modulates the effects of familial risk for depression on cortical thickness. <i>Psychiatry Research - Neuroimaging</i> , 2016, 248, 83-93.	1.8	7
22	Maternal prenatal iron status and tissue organization in the neonatal brain. <i>Pediatric Research</i> , 2016, 79, 482-488.	2.3	37
23	Morphological covariance in anatomical MRI scans can identify discrete neural pathways in the brain and their disturbances in persons with neuropsychiatric disorders. <i>NeuroImage</i> , 2015, 111, 215-227.	4.2	3
24	Morphological features of the neonatal brain following exposure to regional anesthesia during labor and delivery. <i>Magnetic Resonance Imaging</i> , 2015, 33, 213-221.	1.8	21
25	Effects of Prenatal Exposure to Air Pollutants (Polycyclic Aromatic Hydrocarbons) on the Development of Brain White Matter, Cognition, and Behavior in Later Childhood. <i>JAMA Psychiatry</i> , 2015, 72, 531.	11.0	270
26	Anatomical Characteristics of the Cerebral Surface in Bulimia Nervosa. <i>Biological Psychiatry</i> , 2015, 77, 616-623.	1.3	50
27	Neuroanatomical Correlates of Religiosity and Spirituality. <i>JAMA Psychiatry</i> , 2014, 71, 128.	11.0	188
28	Using Copula distributions to support more accurate imaging-based diagnostic classifiers for neuropsychiatric disorders. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1102-1113.	1.8	4
29	Automated assessment of the quality of diffusion tensor imaging data using color cast of color-encoded fractional anisotropy images. <i>Magnetic Resonance Imaging</i> , 2014, 32, 446-456.	1.8	13
30	The effects of changing water content, relaxation times, and tissue contrast on tissue segmentation and measures of cortical anatomy in MR images. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1709-1730.	1.8	44
31	Brain anomalies in children exposed prenatally to a common organophosphate pesticide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7871-7876.	7.1	378
32	Anatomical Brain Images Alone Can Accurately Diagnose Chronic Neuropsychiatric Illnesses. <i>PLoS ONE</i> , 2012, 7, e50698.	2.5	70
33	Morphological Abnormalities of the Thalamus in Youths With Attention Deficit Hyperactivity Disorder. <i>American Journal of Psychiatry</i> , 2010, 167, 397-408.	7.2	142
34	Basal Ganglia Surface Morphology and the Effects of Stimulant Medications in Youth With Attention Deficit Hyperactivity Disorder. <i>American Journal of Psychiatry</i> , 2010, 167, 977-986.	7.2	88
35	Cortical thinning in persons at increased familial risk for major depression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6273-6278.	7.1	243
36	Neuropsychological Near Normality and Brain Structure Abnormality in Schizophrenia. <i>American Journal of Psychiatry</i> , 2009, 166, 189-195.	7.2	76

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37	Calculation of the confidence intervals for transformation parameters in the registration of medical images. <i>Medical Image Analysis</i> , 2009, 13, 215-233.	11.6	5
38	Using Perturbation theory to reduce noise in diffusion tensor fields. <i>Medical Image Analysis</i> , 2009, 13, 580-597.	11.6	5
39	Imaging evidence for anatomical disturbances and neuroplastic compensation in persons with Tourette syndrome. <i>Journal of Psychosomatic Research</i> , 2009, 67, 559-573.	2.6	117
40	Seamless Warping of Diffusion Tensor Fields. <i>IEEE Transactions on Medical Imaging</i> , 2008, 27, 285-299.	8.9	15
41	Correlates of intellectual ability with morphology of the hippocampus and amygdala in healthy adults. <i>Brain and Cognition</i> , 2008, 66, 105-114.	1.8	44
42	Brain Morphometry Using Anatomical Magnetic Resonance Imaging. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2008, 47, 619-621.	0.5	16
43	Statistical Modelling of Brain Morphological Measures Within Family Pedigrees. <i>Statistica Sinica</i> , 2008, 18, 1569-1591.	0.3	4
44	Morphologic Features of the Amygdala and Hippocampus in Children and Adults With Tourette Syndrome. <i>Archives of General Psychiatry</i> , 2007, 64, 1281.	12.3	124
45	Statistical Analyses of Brain Surfaces Using Gaussian Random Fields on 2-D Manifolds. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 46-57.	8.9	50
46	Sex Differences in Cortical Thickness Mapped in 176 Healthy Individuals between 7 and 87 Years of Age. <i>Cerebral Cortex</i> , 2007, 17, 1550-1560.	2.9	612
47	Unifying the analyses of anatomical and diffusion tensor images using volume-preserved warping. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 612-624.	3.4	14
48	Age, Rapid-Cycling, and Pharmacotherapy Effects on Ventral Prefrontal Cortex in Bipolar Disorder: A Cross-Sectional Study. <i>Biological Psychiatry</i> , 2006, 59, 611-618.	1.3	163
49	Hippocampus and Amygdala Morphology in Attention-Deficit/Hyperactivity Disorder. <i>Archives of General Psychiatry</i> , 2006, 63, 795.	12.3	282
50	ROC-based assessments of 3D cortical surface-matching algorithms. <i>NeuroImage</i> , 2005, 24, 150-162.	4.2	45