

Shantanu H Joshi

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

3,212
citations

159585

30
h-index

175258

52
g-index

92
all docs

92
docs citations

92
times ranked

4337
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of the functional connectome in major depressive disorder by ketamine therapy. <i>Psychological Medicine</i> , 2022, 52, 2596-2605.	4.5	20
2	Prenatal depression exposure alters white matter integrity and neurodevelopment in early childhood. <i>Brain Imaging and Behavior</i> , 2022, 16, 1324-1336.	2.1	11
3	A Neurometabolic Pattern of Elevated Myo-Inositol in Children Who Are HIV-Exposed and Uninfected: A South African Birth Cohort Study. <i>Frontiers in Immunology</i> , 2022, 13, 800273.	4.8	5
4	Anterior default mode network and posterior insular connectivity is predictive of depressive symptom reduction following serial ketamine infusion. <i>Psychological Medicine</i> , 2022, , 1-11.	4.5	2
5	The impact of prenatal alcohol exposure on gray matter volume and cortical surface area of 2 to 3-year-old children in a South African birth cohort. <i>Alcoholism: Clinical and Experimental Research</i> , 2022, 46, 1233-1247.	2.4	3
6	Identification of Seminal Physical Features of Prenatal Alcohol Exposure by Child Psychologists. <i>Journal of Pediatric Neuropsychology</i> , 2022, 8, 60-67.	0.6	2
7	Hippocampal subregions and networks linked with antidepressant response to electroconvulsive therapy. <i>Molecular Psychiatry</i> , 2021, 26, 4288-4299.	7.9	25
8	Cortical gyrification in children with attention deficit-hyperactivity disorder and prenatal alcohol exposure. <i>Drug and Alcohol Dependence</i> , 2021, 225, 108817.	3.2	8
9	Central white matter integrity alterations in 2-3-year-old children following prenatal alcohol exposure. <i>Drug and Alcohol Dependence</i> , 2021, 225, 108826.	3.2	12
10	Accounting for symptom heterogeneity can improve neuroimaging models of antidepressant response after electroconvulsive therapy. <i>Human Brain Mapping</i> , 2021, 42, 5322-5333.	3.6	9
11	Depressive Symptom Dimensions in Treatment-Resistant Major Depression and Their Modulation With Electroconvulsive Therapy. <i>Journal of ECT</i> , 2020, 36, 123-129.	0.6	12
12	Deep Learning of Warping Functions for Shape Analysis. , 2020, 2020, 3782-3790.		6
13	Brain Network Connectivity from Matching Cortical Feature Densities. , 2020, 2020, 995-998.		0
14	Mapping Cerebral Connectivity Changes after Mild Traumatic Brain Injury in Older Adults Using Diffusion Tensor Imaging and Riemannian Matching of Elastic Curves. , 2020, , .		2
15	Brain Metabolism During A Lower Extremity Voluntary Movement Task in Children With Spastic Cerebral Palsy. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 159.	2.0	3
16	Single and repeated ketamine treatment induces perfusion changes in sensory and limbic networks in major depressive disorder. <i>European Neuropsychopharmacology</i> , 2020, 33, 89-100.	0.7	27
17	Neuroimaging young children and associations with neurocognitive development in a South African birth cohort study. <i>NeuroImage</i> , 2020, 219, 116846.	4.2	21
18	Modularity and heterochrony in the evolution of the ceratopsian dinosaur frill. <i>Ecology and Evolution</i> , 2020, 10, 6288-6309.	1.9	9

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19	Measurement accuracy of 3-Dimensional mapping technologies versus standard goniometry for angle assessment. <i>Journal of Pediatric Urology</i> , 2020, 16, 547-554.	1.1	10
20	Cognitive Correlates of Hippocampal Atrophy and Ventricular Enlargement in Adults with or without Mild Cognitive Impairment. <i>Dementia and Geriatric Cognitive Disorders Extra</i> , 2019, 9, 281-293.	1.3	25
21	Variations in Hippocampal White Matter Diffusivity Differentiate Response to Electroconvulsive Therapy in Major Depression. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 300-309.	1.5	17
22	Mechanisms of Antidepressant Response to Electroconvulsive Therapy Studied With Perfusion Magnetic Resonance Imaging. <i>Biological Psychiatry</i> , 2019, 85, 466-476.	1.3	43
23	Multimodal Data Registration for Brain Structural Association Networks. <i>Lecture Notes in Computer Science</i> , 2019, 11765, 373-381.	1.3	2
24	Superficial white matter damage in anti-NMDA receptor encephalitis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 518-525.	1.9	55
25	Fronto-Temporal Connectivity Predicts ECT Outcome in Major Depression. <i>Frontiers in Psychiatry</i> , 2018, 9, 92.	2.6	58
26	Data-driven cluster selection for subcortical shape and cortical thickness predicts recovery from depressive symptoms. , 2017, 2017, 502-506.		5
27	Short- and Long-term Cognitive Outcomes in Patients With Major Depression Treated With Electroconvulsive Therapy. <i>Journal of ECT</i> , 2017, 33, 278-285.	0.6	48
28	Inter and intra-hemispheric structural imaging markers predict depression relapse after electroconvulsive therapy: a multisite study. <i>Translational Psychiatry</i> , 2017, 7, 1270.	4.8	21
29	Machine learning on high dimensional shape data from subcortical brain surfaces: A comparison of feature selection and classification methods. <i>Pattern Recognition</i> , 2017, 63, 731-739.	8.1	37
30	A Riemannian Framework for Linear and Quadratic Discriminant Analysis on the Tangent Space of Shapes. , 2017, 2017, 726-734.		1
31	Neurochemical correlates of rapid treatment response to electroconvulsive therapy in patients with major depression. <i>Journal of Psychiatry and Neuroscience</i> , 2017, 42, 6-16.	2.4	108
32	Neural correlates of proactive and reactive aggression in adolescent twins. <i>Aggressive Behavior</i> , 2017, 43, 230-240.	2.4	44
33	Major Superficial White Matter Abnormalities in Huntington's Disease. <i>Frontiers in Neuroscience</i> , 2016, 10, 197.	2.8	51
34	The superficial white matter in Alzheimer's disease. <i>Human Brain Mapping</i> , 2016, 37, 1321-1334.	3.6	53
35	A Statistical Framework for Elastic Shape Analysis of Spatio-Temporal Evolutions of Planar Closed Curves. , 2016, , .		0
36	Surface Shape Morphometry for Hippocampal Modeling in Alzheimer's Disease. , 2016, , .		9

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37	Effect of Electroconvulsive Therapy on Striatal Morphometry in Major Depressive Disorder. <i>Neuropsychopharmacology</i> , 2016, 41, 2481-2491.	5.4	74
38	Relationships Between Altered Functional Magnetic Resonance Imaging Activation and Cortical Thickness in Patients With Euthymic Bipolar I Disorder. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2016, 1, 507-517.	1.5	11
39	Variations in myo-inositol in fronto-limbic regions and clinical response to electroconvulsive therapy in major depression. <i>Journal of Psychiatric Research</i> , 2016, 80, 45-51.	3.1	16
40	Structural Plasticity of the Hippocampus and Amygdala Induced by Electroconvulsive Therapy in Major Depression. <i>Biological Psychiatry</i> , 2016, 79, 282-292.	1.3	241
41	Modulation of Intrinsic Brain Activity by Electroconvulsive Therapy in Major Depression. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2016, 1, 77-86.	1.5	50
42	Interactive effects of BDNF Val66Met genotype and trauma on limbic brain anatomy in childhood. <i>European Child and Adolescent Psychiatry</i> , 2016, 25, 509-518.	4.7	19
43	Structural connectivity and response to ketamine therapy in major depression: A preliminary study. <i>Journal of Affective Disorders</i> , 2016, 190, 836-841.	4.1	44
44	Desynchronization and Plasticity of Striato-frontal Connectivity in Major Depressive Disorder. <i>Cerebral Cortex</i> , 2016, 26, 4337-4346.	2.9	37
45	Elastic Shape Analysis of Functions, Curves and Trajectories. , 2016, , 211-231.		2
46	Mapping abnormal subcortical brain morphometry in an elderly HIV + cohort. <i>NeuroImage: Clinical</i> , 2015, 9, 564-573.	2.7	37
47	Reproducibility of brain-cognition relationships using three cortical surface-based protocols: An exhaustive analysis based on cortical thickness. <i>Human Brain Mapping</i> , 2015, 36, 3227-3245.	3.6	31
48	Mapping abnormal subcortical brain morphometry in an elderly HIV+ cohort. , 2015, 2015, 971-975.		5
49	Subcortical shape and volume abnormalities in an elderly HIV+ cohort. <i>Proceedings of SPIE</i> , 2015, 9417, .	0.8	12
50	Corpus callosum thickness estimation using elastic shape matching. , 2015, , .		0
51	Reduced Regional Brain Cortical Thickness in Patients with Heart Failure. <i>PLoS ONE</i> , 2015, 10, e0126595.	2.5	42
52	Random forest classification of depression status based on subcortical brain morphometry following electroconvulsive therapy. , 2015, 2015, 92-96.		10
53	Higher homocysteine associated with thinner cortical gray matter in 803 participants from the Alzheimer's Disease Neuroimaging Initiative. <i>Neurobiology of Aging</i> , 2015, 36, S203-S210.	3.1	52
54	Hippocampal dysfunction during declarative memory encoding in schizophrenia and effects of genetic liability. <i>Schizophrenia Research</i> , 2015, 161, 357-366.	2.0	31

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55	Mapping ventricular expansion onto cortical gray matter in older adults. <i>Neurobiology of Aging</i> , 2015, 36, S32-S41.	3.1	32
56	Diffusion weighted imaging-based maximum density path analysis and classification of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015, 36, S132-S140.	3.1	61
57	Frontal and striatal alterations associated with psychopathic traits in adolescents. <i>Psychiatry Research - Neuroimaging</i> , 2015, 231, 333-340.	1.8	26
58	Amygdala responses to salient social cues vary with oxytocin receptor genotype in youth. <i>Neuropsychologia</i> , 2015, 79, 1-9.	1.6	38
59	Morphological Variation of Pelvic Skeletal Elements of Hadrosaurid Dinosaurs Quantified Using Riemannian Analysis of Elastic Curves. , 2015, , .		1
60	Thicker Temporal Cortex Associates with a Developmental Trajectory for Psychopathic Traits in Adolescents. <i>PLoS ONE</i> , 2015, 10, e0127025.	2.5	16
61	Effects of sex chromosome dosage on corpus callosum morphology in supernumerary sex chromosome aneuploidies. <i>Biology of Sex Differences</i> , 2014, 5, 16.	4.1	10
62	Optimizing brain connectivity networks for disease classification using EPIC. , 2014, 2014, 834-837.		8
63	Characterizing white matter connectivity in major depressive disorder: Automated fiber quantification and maximum density paths. , 2014, 11, 592-595.		13
64	Structural abnormality of the corticospinal tract in major depressive disorder. <i>Biology of Mood & Anxiety Disorders</i> , 2014, 4, 8.	4.7	33
65	Graphical neuroimaging informatics: Application to Alzheimer's disease. <i>Brain Imaging and Behavior</i> , 2014, 8, 300-310.	2.1	2
66	Automatic clustering and population analysis of white matter tracts using maximum density paths. <i>NeuroImage</i> , 2014, 97, 284-295.	4.2	31
67	Graphical data mining of human cortical surface morphometry. , 2013, , .		0
68	Flow-based network measures of brain connectivity in Alzheimer's disease. , 2013, 2013, 258-261.		5
69	Statistical shape analysis of the corpus callosum in Schizophrenia. <i>NeuroImage</i> , 2013, 64, 547-559.	4.2	38
70	Superficial White Matter: Effects of Age, Sex, and Hemisphere. <i>Brain Connectivity</i> , 2013, 3, 146-159.	1.7	69
71	A Dynamical Clustering Model of Brain Connectivity Inspired by the N-Body Problem. <i>Lecture Notes in Computer Science</i> , 2013, 8159, 129-137.	1.3	5
72	Genetic and environmental influences on cortical thickness among 14-year-old twins. <i>NeuroReport</i> , 2012, 23, 702-706.	1.2	24

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73	Diffeomorphic Sulcal Shape Analysis on the Cortex. IEEE Transactions on Medical Imaging, 2012, 31, 1195-1212.	8.9	31
74	Feature-similarity visualization of MRI cortical surface data. , 2012, , .		1
75	Visual Systems for Interactive Exploration and Mining of Large-Scale Neuroimaging Data Archives. Frontiers in Neuroinformatics, 2012, 6, 11.	2.5	22
76	The Lambeosaurine Dinosaur Magnapaulia laticaudus from the Late Cretaceous of Baja California, Northwestern Mexico. PLoS ONE, 2012, 7, e38207.	2.5	43
77	Shape Analysis of Elastic Curves in Euclidean Spaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1415-1428.	13.9	475
78	The contribution of genes to cortical thickness and volume. NeuroReport, 2011, 22, 101-105.	1.2	84
79	A landmark-free method for quantifying biological shape variation. Biological Journal of the Linnean Society, 2011, 104, 217-233.	1.6	7
80	Brain pattern analysis of cortical valued distributions. , 2011, , 1117-1120.		9
81	Heritability of White Matter Fiber Tract Shapes: A HARDI Study of 198 Twins. Lecture Notes in Computer Science, 2011, 2011, 35-43.	1.3	16
82	Diffeomorphic sulcal shape analysis for cortical surface registration. , 2010, 13-18 June, 475-482.		2
83	Cortical Sulcal Atlas Construction Using a Diffeomorphic Mapping Approach. Lecture Notes in Computer Science, 2010, 13, 357-366.	1.3	9
84	Interactive exploration of neuroanatomical meta-spaces. Frontiers in Neuroinformatics, 2009, 3, 38.	2.5	14
85	Intrinsic Bayesian Active Contours for Extraction of Object Boundaries in Images. International Journal of Computer Vision, 2009, 81, 331-355.	15.6	22
86	A Novel Representation for Riemannian Analysis of Elastic Curves in R^n . , 2007, 2007, 1-7.		154
87	Removing Shape-Preserving Transformations in Square-Root Elastic (SRE) Framework for Shape Analysis of Curves. Lecture Notes in Computer Science, 2007, 4679, 387-398.	1.3	47
88	Elastic Shape Models for Interpolations of Curves in Image Sequences. Lecture Notes in Computer Science, 2005, 19, 541-552.	1.3	2
89	Analysis of planar shapes using geodesic paths on shape spaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2004, 26, 372-383.	13.9	383