

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	Shape Analysis of Elastic Curves in Euclidean Spaces. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2011, 33, 1415-1428.	13.9	475
2	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
3	Structural Plasticity of the Hippocampus and Amygdala Induced by Electroconvulsive Therapy in Major Depression. Biological Psychiatry, 2016, 79, 282-292.	1.3	241
4	A Novel Representation for Riemannian Analysis of Elastic Curves in R^n . , 2007, 2007, 1-7.		154
5	Neurochemical correlates of rapid treatment response to electroconvulsive therapy in patients with major depression. Journal of Psychiatry and Neuroscience, 2017, 42, 6-16.	2.4	108
6	The contribution of genes to cortical thickness and volume. NeuroReport, 2011, 22, 101-105.	1.2	84
7	Effect of Electroconvulsive Therapy on Striatal Morphometry in Major Depressive Disorder. Neuropsychopharmacology, 2016, 41, 2481-2491.	5.4	74
8	Superficial White Matter: Effects of Age, Sex, and Hemisphere. Brain Connectivity, 2013, 3, 146-159.	1.7	69
9	Diffusion weighted imaging-based maximum density path analysis and classification of Alzheimer's disease. Neurobiology of Aging, 2015, 36, S132-S140.	3.1	61
10	Fronto-Temporal Connectivity Predicts ECT Outcome in Major Depression. Frontiers in Psychiatry, 2018, 9, 92.	2.6	58
11	Superficial white matter damage in anti-NMDA receptor encephalitis. Journal of Neurology, Neurosurgery and Psychiatry, 2018, 89, 518-525.	1.9	55
12	The superficial white matter in Alzheimer's disease. Human Brain Mapping, 2016, 37, 1321-1334.	3.6	53
13	Higher homocysteine associated with thinner cortical gray matter in 803 participants from the Alzheimer's Disease Neuroimaging Initiative. Neurobiology of Aging, 2015, 36, S203-S210.	3.1	52
14	Major Superficial White Matter Abnormalities in Huntington's Disease. Frontiers in Neuroscience, 2016, 10, 197.	2.8	51
15	Modulation of Intrinsic Brain Activity by Electroconvulsive Therapy in Major Depression. Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, 2016, 1, 77-86.	1.5	50
16	Short- and Long-term Cognitive Outcomes in Patients With Major Depression Treated With Electroconvulsive Therapy. Journal of ECT, 2017, 33, 278-285.	0.6	48
17	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
18	Structural connectivity and response to ketamine therapy in major depression: A preliminary study. Journal of Affective Disorders, 2016, 190, 836-841.	4.1	44

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19	Neural correlates of proactive and reactive aggression in adolescent twins. <i>Aggressive Behavior</i> , 2017, 43, 230-240.	2.4	44
20	Mechanisms of Antidepressant Response to Electroconvulsive Therapy Studied With Perfusion Magnetic Resonance Imaging. <i>Biological Psychiatry</i> , 2019, 85, 466-476.	1.3	43
21	The Lambeosaurine Dinosaur <i>Magnapaulia laticaudus</i> from the Late Cretaceous of Baja California, Northwestern Mexico. <i>PLoS ONE</i> , 2012, 7, e38207.	2.5	43
22	Reduced Regional Brain Cortical Thickness in Patients with Heart Failure. <i>PLoS ONE</i> , 2015, 10, e0126595.	2.5	42
23	Statistical shape analysis of the corpus callosum in Schizophrenia. <i>NeuroImage</i> , 2013, 64, 547-559.	4.2	38
24	Amygdala responses to salient social cues vary with oxytocin receptor genotype in youth. <i>Neuropsychologia</i> , 2015, 79, 1-9.	1.6	38
25	Mapping abnormal subcortical brain morphometry in an elderly HIV + cohort. <i>NeuroImage: Clinical</i> , 2015, 9, 564-573.	2.7	37
26	Desynchronization and Plasticity of Striato-frontal Connectivity in Major Depressive Disorder. <i>Cerebral Cortex</i> , 2016, 26, 4337-4346.	2.9	37
27	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
28	Structural abnormality of the corticospinal tract in major depressive disorder. <i>Biology of Mood & Anxiety Disorders</i> , 2014, 4, 8.	4.7	33
29	Mapping ventricular expansion onto cortical gray matter in older adults. <i>Neurobiology of Aging</i> , 2015, 36, S32-S41.	3.1	32
30	Diffeomorphic Sulcal Shape Analysis on the Cortex. <i>IEEE Transactions on Medical Imaging</i> , 2012, 31, 1195-1212.	8.9	31
31	Automatic clustering and population analysis of white matter tracts using maximum density paths. <i>NeuroImage</i> , 2014, 97, 284-295.	4.2	31
32	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
33	Hippocampal dysfunction during declarative memory encoding in schizophrenia and effects of genetic liability. <i>Schizophrenia Research</i> , 2015, 161, 357-366.	2.0	31
34	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
35	Frontal and striatal alterations associated with psychopathic traits in adolescents. <i>Psychiatry Research - Neuroimaging</i> , 2015, 231, 333-340.	1.8	26
36	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

#	ARTICLE	IF	CITATIONS
37	Hippocampal subregions and networks linked with antidepressant response to electroconvulsive therapy. <i>Molecular Psychiatry</i> , 2021, 26, 4288-4299.	7.9	25
38	Genetic and environmental influences on cortical thickness among 14-year-old twins. <i>NeuroReport</i> , 2012, 23, 702-706.	1.2	24
39	Intrinsic Bayesian Active Contours for Extraction of Object Boundaries in Images. <i>International Journal of Computer Vision</i> , 2009, 81, 331-355.	15.6	22
40	Visual Systems for Interactive Exploration and Mining of Large-Scale Neuroimaging Data Archives. <i>Frontiers in Neuroinformatics</i> , 2012, 6, 11.	2.5	22
41	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
42	Neuroimaging young children and associations with neurocognitive development in a South African birth cohort study. <i>NeuroImage</i> , 2020, 219, 116846.	4.2	21
43	Modulation of the functional connectome in major depressive disorder by ketamine therapy. <i>Psychological Medicine</i> , 2022, 52, 2596-2605.	4.5	20
44	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
45	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
46	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
47	Heritability of White Matter Fiber Tract Shapes: A HARDI Study of 198 Twins. <i>Lecture Notes in Computer Science</i> , 2011, 2011, 35-43.	1.3	16
48	Thicker Temporal Cortex Associates with a Developmental Trajectory for Psychopathic Traits in Adolescents. <i>PLoS ONE</i> , 2015, 10, e0127025.	2.5	16
49	Interactive exploration of neuroanatomical meta-spaces. <i>Frontiers in Neuroinformatics</i> , 2009, 3, 38.	2.5	14
50	Characterizing white matter connectivity in major depressive disorder: Automated fiber quantification and maximum density paths. , 2014, 11, 592-595.		13
51	Subcortical shape and volume abnormalities in an elderly HIV+ cohort. <i>Proceedings of SPIE</i> , 2015, 9417, .	0.8	12
52	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
53	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
54	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

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55	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
56	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
57	Random forest classification of depression status based on subcortical brain morphometry following electroconvulsive therapy. , 2015, 2015, 92-96.		10
58	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
59	Brain pattern analysis of cortical valued distributions. , 2011, , 1117-1120.		9
60	Surface Shape Morphometry for Hippocampal Modeling in Alzheimer's Disease. , 2016, , .		9
61	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
62	Modularity and heterochrony in the evolution of the ceratopsian dinosaur frill. <i>Ecology and Evolution</i> , 2020, 10, 6288-6309.	1.9	9
63	Cortical Sulcal Atlas Construction Using a Diffeomorphic Mapping Approach. <i>Lecture Notes in Computer Science</i> , 2010, 13, 357-366.	1.3	9
64	Optimizing brain connectivity networks for disease classification using EPIC. , 2014, 2014, 834-837.		8
65	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
66	A landmark-free method for quantifying biological shape variation. <i>Biological Journal of the Linnean Society</i> , 2011, 104, 217-233.	1.6	7
67	Deep Learning of Warping Functions for Shape Analysis. , 2020, 2020, 3782-3790.		6
68	Flow-based network measures of brain connectivity in Alzheimer'S disease. , 2013, 2013, 258-261.		5
69	Mapping abnormal subcortical brain morphometry in an elderly HIV& cohort. , 2015, 2015, 971-975.		5
70	Data-driven cluster selection for subcortical shape and cortical thickness predicts recovery from depressive symptoms. , 2017, 2017, 502-506.		5
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	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

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73	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
74	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
75	Elastic Shape Models for Interpolations of Curves in Image Sequences. <i>Lecture Notes in Computer Science</i> , 2005, 19, 541-552.	1.3	2
76	Diffeomorphic sulcal shape analysis for cortical surface registration. , 2010, 13-18 June, 475-482.		2
77	Graphical neuroimaging informatics: Application to Alzheimer's disease. <i>Brain Imaging and Behavior</i> , 2014, 8, 300-310.	2.1	2
78	Mapping Cerebral Connectivity Changes after Mild Traumatic Brain Injury in Older Adults Using Diffusion Tensor Imaging and Riemannian Matching of Elastic Curves. , 2020, , .		2
79	Elastic Shape Analysis of Functions, Curves and Trajectories. , 2016, , 211-231.		2
80	Multimodal Data Registration for Brain Structural Association Networks. <i>Lecture Notes in Computer Science</i> , 2019, 11765, 373-381.	1.3	2
81	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
82	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
83	Feature-similarity visualization of MRI cortical surface data. , 2012, , .		1
84	A Riemannian Framework for Linear and Quadratic Discriminant Analysis on the Tangent Space of Shapes. , 2017, 2017, 726-734.		1
85	Morphological Variation of Pelvic Skeletal Elements of Hadrosaurid Dinosaurs Quantified Using Riemannian Analysis of Elastic Curves. , 2015, , .		1
86	Graphical data mining of human cortical surface morphometry. , 2013, , .		0
87	Corpus callosum thickness estimation using elastic shape matching. , 2015, , .		0
88	A Statistical Framework for Elastic Shape Analysis of Spatio-Temporal Evolutions of Planar Closed Curves. , 2016, , .		0
89	Brain Network Connectivity from Matching Cortical Feature Densities. , 2020, 2020, 995-998.		0