

# Jian Cheng

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

778  
citations

687220

13  
h-index

526166

27  
g-index

41  
all docs

41  
docs citations

41  
times ranked

1048  
citing authors

#	ARTICLE	IF	CITATIONS
1	White matter hyperintensities segmentation using an ensemble of neural networks. <i>Human Brain Mapping</i> , 2022, 43, 929-939.	1.9	13
2	2D probabilistic undersampling pattern optimization for MR image reconstruction. <i>Medical Image Analysis</i> , 2022, 77, 102346.	7.0	2
3	Targeting Inhibition of Accumulation and Function of Myeloid-Derived Suppressor Cells by Artemisinin via PI3K/AKT, mTOR, and MAPK Pathways Enhances Anti-PD-L1 Immunotherapy in Melanoma and Liver Tumors. <i>Journal of Immunology Research</i> , 2022, 2022, 1-21.	0.9	6
4	Brain Age Estimation From MRI Using Cascade Networks With Ranking Loss. <i>IEEE Transactions on Medical Imaging</i> , 2021, 40, 3400-3412.	5.4	37
5	A slower rate of sulcal widening in the brains of the nondemented oldest old. <i>NeuroImage</i> , 2021, 229, 117740.	2.1	7
6	Oriental changes of white matter fibers in Alzheimer's disease and amnesic mild cognitive impairment. <i>Human Brain Mapping</i> , 2021, 42, 5397-5408.	1.9	4
7	Geometric microstructural damage of white matter with functional compensation in post-stroke. <i>Neuropsychologia</i> , 2021, 160, 107980.	0.7	6
8	A parallel attention-augmented bilinear network for early magnetic resonance imaging-based diagnosis of Alzheimer's disease. <i>Human Brain Mapping</i> , 2021, , .	1.9	10
9	Longitudinal Changes in Whole-Brain Functional Connectivity Strength Patterns and the Relationship With the Global Cognitive Decline in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 71.	1.7	16
10	Differential longitudinal changes in structural complexity and volumetric measures in community-dwelling older individuals. <i>Neurobiology of Aging</i> , 2020, 91, 26-35.	1.5	10
11	Brain Age Estimation from MRI Using a Two-Stage Cascade Network with Ranking Loss. <i>Lecture Notes in Computer Science</i> , 2020, , 198-207.	1.0	4
12	Altered Prefrontal-Basal Ganglia Effective Connectivity in Patients With Poststroke Cognitive Impairment. <i>Frontiers in Neurology</i> , 2020, 11, 577482.	1.1	3
13	Longitudinally Guided Super-Resolution of Neonatal Brain Magnetic Resonance Images. <i>IEEE Transactions on Cybernetics</i> , 2019, 49, 662-674.	6.2	28
14	Director Field Analysis (DFA): Exploring Local White Matter Geometric Structure in Diffusion MRI. <i>Medical Image Analysis</i> , 2018, 43, 112-128.	7.0	9
15	Single- and Multiple-Shell Uniform Sampling Schemes for Diffusion MRI Using Spherical Codes. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 185-199.	5.4	14
16	On Quantifying Local Geometric Structures of Fiber Tracts. <i>Lecture Notes in Computer Science</i> , 2018, , 392-400.	1.0	1
17	Classifying MCI Subtypes in Community-Dwelling Elderly Using Cross-Sectional and Longitudinal MRI-Based Biomarkers. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 309.	1.7	17
18	Director Field Analysis to Explore Local White Matter Geometric Structure in Diffusion MRI. <i>Lecture Notes in Computer Science</i> , 2017, , 427-439.	1.0	0

#	ARTICLE	IF	CITATIONS
19	Fast, accurate 2D-MR relaxation exchange spectroscopy (REXSY): Beyond compressed sensing. Journal of Chemical Physics, 2016, 145, 154202.	1.2	19
20	SR-HARDI: Spatially Regularizing High Angular Resolution Diffusion Imaging. Journal of Computational and Graphical Statistics, 2016, 25, 1195-1211.	0.9	1
21	Super-Resolution Reconstruction of Diffusion-Weighted Images Using 4D Low-Rank and Total Variation. Mathematics and Visualization, 2016, 2015, 15-25.	0.4	3
22	LRTV: MR Image Super-Resolution With Low-Rank and Total Variation Regularizations. IEEE Transactions on Medical Imaging, 2015, 34, 2459-2466.	5.4	214
23	Joint 6D k-q Space Compressed Sensing for Accelerated High Angular Resolution Diffusion MRI. Lecture Notes in Computer Science, 2015, 24, 782-793.	1.0	16
24	Novel Single and Multiple Shell Uniform Sampling Schemes for Diffusion MRI Using Spherical Codes. Lecture Notes in Computer Science, 2015, 9349, 28-36.	1.0	3
25	Longitudinal Guided Super-Resolution Reconstruction of Neonatal Brain MR Images. Lecture Notes in Computer Science, 2015, 8682, 67-76.	1.0	5
26	Tensorial Spherical Polar Fourier Diffusion MRI with Optimal Dictionary Learning. Lecture Notes in Computer Science, 2015, 9349, 174-182.	1.0	4
27	Non-Negative Spherical Deconvolution (NNSD) for estimation of fiber Orientation Distribution Function in single-/multi-shell diffusion MRI. NeuroImage, 2014, 101, 750-764.	2.1	36
28	Multi-atlas based representations for Alzheimer's disease diagnosis. Human Brain Mapping, 2014, 35, 5052-5070.	1.9	62
29	Designing Single- and Multiple-Shell Sampling Schemes for Diffusion MRI Using Spherical Code. Lecture Notes in Computer Science, 2014, 17, 281-288.	1.0	13
30	Low-Rank Total Variation for Image Super-Resolution. Lecture Notes in Computer Science, 2013, 16, 155-162.	1.0	20
31	Regularized Spherical Polar Fourier Diffusion MRI with Optimal Dictionary Learning. Lecture Notes in Computer Science, 2013, 16, 639-646.	1.0	4
32	Diffusion magnetic resonance imaging for Brainnetome: A critical review. Neuroscience Bulletin, 2012, 28, 375-388.	1.5	14
33	Nonnegative Definite EAP and ODF Estimation via a Unified Multi-shell HARDI Reconstruction. Lecture Notes in Computer Science, 2012, 15, 313-321.	1.0	9
34	Spherical Polar Fourier EAP and odf reconstruction via compressed sensing in diffusion mri. , 2011, , .		7
35	Moving Virtual Boundary strategy for selective sampling. , 2011, , .		0
36	Diffeomorphism Invariant Riemannian Framework for Ensemble Average Propagator Computing. Lecture Notes in Computer Science, 2011, 14, 98-106.	1.0	4

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37	Model-Free and Analytical EAP Reconstruction via Spherical Polar Fourier Diffusion MRI. Lecture Notes in Computer Science, 2010, 13, 590-597.	1.0	43
38	Model-Free, Regularized, Fast, and Robust Analytical Orientation Distribution Function Estimation. Lecture Notes in Computer Science, 2010, 13, 648-656.	1.0	16
39	A Riemannian Framework for Orientation Distribution Function Computing. Lecture Notes in Computer Science, 2009, 12, 911-918.	1.0	27
40	Active learning for image retrieval with Co-SVM. Pattern Recognition, 2007, 40, 330-334.	5.1	70