Jian Cheng

List of Publications by Year
in descending order

40 papers	778 citations	687363 13 h-index	526287 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. Human Brain Mapping, 2022, 43, 929-939.	3.6	13
2	2D probabilistic undersampling pattern optimization for MR image reconstruction. Medical Image Analysis, 2022, 77, 102346.	11.6	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. Journal of Immunology Research, 2022, 2022, 1-21.	2.2	6
4	Brain Age Estimation From MRI Using Cascade Networks With Ranking Loss. IEEE Transactions on Medical Imaging, 2021, 40, 3400-3412.	8.9	37
5	A slower rate of sulcal widening in the brains of the nondemented oldest old. NeuroImage, 2021, 229, 117740.	4.2	7
6	Orientational changes of white matter fibers in Alzheimer's disease and amnestic mild cognitive impairment. Human Brain Mapping, 2021, 42, 5397-5408.	3.6	4
7	Geometric microstructural damage of white matter with functional compensation in post-stroke. Neuropsychologia, 2021, 160, 107980.	1.6	6
8	A parallel attentionâ€augmented bilinear network for early magnetic resonance imagingâ€based diagnosis of Alzheimer's disease. Human Brain Mapping, 2021, , .	3.6	10
9	Longitudinal Changes in Whole-Brain Functional Connectivity Strength Patterns and the Relationship With the Global Cognitive Decline in Older Adults. Frontiers in Aging Neuroscience, 2020, 12, 71.	3.4	16
10	Differential longitudinal changes in structural complexity and volumetric measures in community-dwelling older individuals. Neurobiology of Aging, 2020, 91, 26-35.	3.1	10
11	Brain Age Estimation from MRI Using a Two-Stage Cascade Network with Ranking Loss. Lecture Notes in Computer Science, 2020, , 198-207.	1.3	4
12	Altered Prefrontalâ€"Basal Ganglia Effective Connectivity in Patients With Poststroke Cognitive Impairment. Frontiers in Neurology, 2020, 11, 577482.	2.4	3
13	Longitudinally Guided Super-Resolution of Neonatal Brain Magnetic Resonance Images. IEEE Transactions on Cybernetics, 2019, 49, 662-674.	9.5	28
14	Director Field Analysis (DFA): Exploring Local White Matter Geometric Structure in Diffusion MRI. Medical Image Analysis, 2018, 43, 112-128.	11.6	9
15	Single- and Multiple-Shell Uniform Sampling Schemes for Diffusion MRI Using Spherical Codes. IEEE Transactions on Medical Imaging, 2018, 37, 185-199.	8.9	14
16	On Quantifying Local Geometric Structures of Fiber Tracts. Lecture Notes in Computer Science, 2018, , 392-400.	1.3	1
17	Classifying MCI Subtypes in Community-Dwelling Elderly Using Cross-Sectional and Longitudinal MRI-Based Biomarkers. Frontiers in Aging Neuroscience, 2017, 9, 309.	3.4	17
18	Director Field Analysis to Explore Local White Matter Geometric Structure in Diffusion MRI. Lecture Notes in Computer Science, 2017, , 427-439.	1.3	0

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19	Fast, accurate 2D-MR relaxation exchange spectroscopy (REXSY): Beyond compressed sensing. Journal of Chemical Physics, 2016, 145, 154202.	3.0	19
20	SR-HARDI: Spatially Regularizing High Angular Resolution Diffusion Imaging. Journal of Computational and Graphical Statistics, 2016, 25, 1195-1211.	1.7	1
21	Super-Resolution Reconstruction of Diffusion-Weighted Images Using 4D Low-Rank and Total Variation. Mathematics and Visualization, 2016, 2015, 15-25.	0.6	3
22	LRTV: MR Image Super-Resolution With Low-Rank and Total Variation Regularizations. IEEE Transactions on Medical Imaging, 2015, 34, 2459-2466.	8.9	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.	1.3	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.	1.3	3
25	Longitudinal Guided Super-Resolution Reconstruction of Neonatal Brain MR Images. Lecture Notes in Computer Science, 2015, 8682, 67-76.	1.3	5
26	Tensorial Spherical Polar Fourier Diffusion MRI with Optimal Dictionary Learning. Lecture Notes in Computer Science, 2015, 9349, 174-182.	1.3	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.	4.2	36
28	Multiâ€atlas based representations for Alzheimer's disease diagnosis. Human Brain Mapping, 2014, 35, 5052-5070.	3.6	62
29	Designing Single- and Multiple-Shell Sampling Schemes for Diffusion MRI Using Spherical Code. Lecture Notes in Computer Science, 2014, 17, 281-288.	1.3	13
30	Low-Rank Total Variation for Image Super-Resolution. Lecture Notes in Computer Science, 2013, 16, 155-162.	1.3	20
31	Regularized Spherical Polar Fourier Diffusion MRI with Optimal Dictionary Learning. Lecture Notes in Computer Science, 2013, 16, 639-646.	1.3	4
32	Diffusion magnetic resonance imaging for Brainnetome: A critical review. Neuroscience Bulletin, 2012, 28, 375-388.	2.9	14
33	Nonnegative Definite EAP and ODF Estimation via a Unified Multi-shell HARDI Reconstruction. Lecture Notes in Computer Science, 2012, 15, 313-321.	1.3	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.	1.3	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.	1.3	43
38	Model-Free, Regularized, Fast, and Robust Analytical Orientation Distribution Function Estimation. Lecture Notes in Computer Science, 2010, 13, 648-656.	1.3	16
39	A Riemannian Framework for Orientation Distribution Function Computing. Lecture Notes in Computer Science, 2009, 12, 911-918.	1.3	27
40	Active learning for image retrieval with Co-SVM. Pattern Recognition, 2007, 40, 330-334.	8.1	70