

# Geng Chen

## List of Publications by Year in descending order

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45  
papers

2,240  
citations

643344

15  
h-index

274796

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g-index

46  
all docs

46  
docs citations

46  
times ranked

2221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multimodal Transformer for Accelerated MR Imaging. IEEE Transactions on Medical Imaging, 2023, 42, 2804-2816.	5.4	29
2	Marine Animal Segmentation. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 2303-2314.	5.6	15
3	Camouflaged Object Detection via Context-Aware Cross-Level Fusion. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 6981-6993.	5.6	45
4	EF-Net: A novel enhancement and fusion network for RGB-D saliency detection. Pattern Recognition, 2021, 112, 107740.	5.1	40
5	Gaussianization of Diffusion MRI Data Using Spatially Adaptive Filtering. Medical Image Analysis, 2021, 68, 101828.	7.0	7
6	MAS3K: An Open Dataset for Marine Animal Segmentation. Lecture Notes in Computer Science, 2021, , 194-212.	1.0	4
7	Towards accurate RGB-D saliency detection with complementary attention and adaptive integration. Neurocomputing, 2021, 439, 63-74.	3.5	8
8	COVID-19 lung infection segmentation with a novel two-stage cross-domain transfer learning framework. Medical Image Analysis, 2021, 74, 102205.	7.0	48
9	Specificity-preserving RGB-D Saliency Detection. , 2021, , .		89
10	Probing Tissue Microarchitecture of the Baby Brain via Spherical Mean Spectrum Imaging. IEEE Transactions on Medical Imaging, 2020, 39, 1-1.	5.4	12
11	Hi-Net: Hybrid-Fusion Network for Multi-Modal MR Image Synthesis. IEEE Transactions on Medical Imaging, 2020, 39, 2772-2781.	5.4	177
12	PraNet: Parallel Reverse Attention Network for Polyp Segmentation. Lecture Notes in Computer Science, 2020, , 263-273.	1.0	404
13	Estimating Tissue Microstructure with Undersampled Diffusion Data via Graph Convolutional Neural Networks. Lecture Notes in Computer Science, 2020, 12267, 280-290.	1.0	9
14	Inf-Net: Automatic COVID-19 Lung Infection Segmentation From CT Images. IEEE Transactions on Medical Imaging, 2020, 39, 2626-2637.	5.4	763
15	Graph-Based Deep Learning for Prediction of Longitudinal Infant Diffusion MRI Data. Mathematics and Visualization, 2019, 2019, 133-141.	0.4	4
16	Longitudinal Harmonization for Improving Tractography in Baby Diffusion MRI. Mathematics and Visualization, 2019, 2019, 183-191.	0.4	2
17	XQ-SR: Joint x-q space super-resolution with application to infant diffusion MRI. Medical Image Analysis, 2019, 57, 44-55.	7.0	10
18	Noise reduction in diffusion MRI using non-local self-similar information in joint $x$ - $q$ space. Medical Image Analysis, 2019, 53, 79-94.	7.0	21

#	ARTICLE	IF	CITATIONS
19	Multi-Site Harmonization of Diffusion MRI Data via Method of Moments. IEEE Transactions on Medical Imaging, 2019, 38, 1599-1609.	5.4	24
20	Multifold Acceleration of Diffusion MRI via Deep Learning Reconstruction from Slice-Undersampled Data. Lecture Notes in Computer Science, 2019, 11492, 530-541.	1.0	10
21	Tissue Segmentation Using Sparse Non-negative Matrix Factorization of Spherical Mean Diffusion MRI Data. Mathematics and Visualization, 2019, 2019, 69-76.	0.4	2
22	Denoising of Diffusion MRI Data via Graph Framelet Matching in x-q Space. IEEE Transactions on Medical Imaging, 2019, 38, 2838-2848.	5.4	23
23	Super-resolution reconstruction of neonatal brain magnetic resonance images via residual structured sparse representation. Medical Image Analysis, 2019, 55, 76-87.	7.0	18
24	Longitudinal Prediction of Infant Diffusion MRI Data via Graph Convolutional Adversarial Networks. IEEE Transactions on Medical Imaging, 2019, 38, 2717-2725.	5.4	19
25	Multi-channel framelet denoising of diffusion-weighted images. PLoS ONE, 2019, 14, e0211621.	1.1	4
26	The UNC/UMN Baby Connectome Project (BCP): An overview of the study design and protocol development. NeuroImage, 2019, 185, 891-905.	2.1	234
27	Reconstructing High-Quality Diffusion MRI Data from Orthogonal Slice-Undersampled Data Using Graph Convolutional Neural Networks. Lecture Notes in Computer Science, 2019, 11766, 529-537.	1.0	7
28	DeepBundle: Fiber Bundle Parcellation with Graph Convolution Neural Networks. Lecture Notes in Computer Science, 2019, 11849, 88-95.	1.0	14
29	Probing Brain Micro-architecture by Orientation Distribution Invariant Identification of Diffusion Compartments. Lecture Notes in Computer Science, 2019, 11766, 547-555.	1.0	6
30	Characterizing Non-Gaussian Diffusion in Heterogeneously Oriented Tissue Microenvironments. Lecture Notes in Computer Science, 2019, 11766, 556-563.	1.0	2
31	Angular Upsampling in Infant Diffusion MRI Using Neighborhood Matching in x-q Space. Frontiers in Neuroinformatics, 2018, 12, 57.	1.3	6
32	Spatio-angular consistent construction of neonatal diffusion MRI atlases. Human Brain Mapping, 2017, 38, 3175-3189.	1.9	8
33	Joint prediction of longitudinal development of cortical surfaces and white matter fibers from neonatal MRI. NeuroImage, 2017, 152, 411-424.	2.1	23
34	Robust Fusion of Diffusion MRI Data for Template Construction. Scientific Reports, 2017, 7, 12950.	1.6	10
35	Neighborhood Matching for Curved Domains with Application to Denoising in Diffusion MRI. Lecture Notes in Computer Science, 2017, 10433, 629-637.	1.0	10
36	Graph-Constrained Sparse Construction of Longitudinal Diffusion-Weighted Infant Atlases. Lecture Notes in Computer Science, 2017, 10433, 49-56.	1.0	10

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37	q-Space Upsampling Using x-q Space Regularization. Lecture Notes in Computer Science, 2017, 10433, 620-628.	1.0	2
38	Embarrassingly Parallel Acceleration of Global Tractography via Dynamic Domain Partitioning. Frontiers in Neuroinformatics, 2016, 10, 25.	1.3	3
39	Improving Estimation of Fiber Orientations in Diffusion MRI Using Inter-Subject Information Sharing. Scientific Reports, 2016, 6, 37847.	1.6	15
40	Denoising magnetic resonance images using collaborative non-local means. Neurocomputing, 2016, 177, 215-227.	3.5	39
41	Angular Resolution Enhancement of Diffusion MRI Data Using Inter-Subject Information Transfer. Mathematics and Visualization, 2016, 2016, 145-157.	0.4	2
42	XQ-NLM: Denoising Diffusion MRI Data via x-q Space Non-local Patch Matching. Lecture Notes in Computer Science, 2016, 9902, 587-595.	1.0	13
43	Construction of Neonatal Diffusion Atlases via Spatio-Angular Consistency. Lecture Notes in Computer Science, 2016, 9993, 9-16.	1.0	3
44	A Hybrid Multishape Learning Framework for Longitudinal Prediction of Cortical Surfaces and Fiber Tracts Using Neonatal Data. Lecture Notes in Computer Science, 2016, 9900, 210-218.	1.0	4
45	Block-Based Statistics for Robust Non-parametric Morphometry. Lecture Notes in Computer Science, 2015, 9467, 62-70.	1.0	2