

Shanzhou Niu

List of Publications by Year in descending order

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21
papers

798
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758635

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794141

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all docs

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21
times ranked

697
citing authors

#	ARTICLE	IF	CITATIONS
1	Sparse-view x-ray CT reconstruction via total generalized variation regularization. <i>Physics in Medicine and Biology</i> , 2014, 59, 2997-3017.	1.6	204
2	A Simple Low-Dose X-Ray CT Simulation From High-Dose Scan. <i>IEEE Transactions on Nuclear Science</i> , 2015, 62, 2226-2233.	1.2	109
3	Convolutional Sparse Coding for Compressed Sensing CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2019, 38, 2607-2619.	5.4	86
4	Spectral CT Image Restoration via an Average Image-Induced Nonlocal Means Filter. <i>IEEE Transactions on Biomedical Engineering</i> , 2016, 63, 1044-1057.	2.5	69
5	Iterative Image Reconstruction for Sparse-View CT Using Normal-Dose Image Induced Total Variation Prior. <i>PLoS ONE</i> , 2013, 8, e79709.	1.1	58
6	Nonlocal low-rank and sparse matrix decomposition for spectral CT reconstruction. <i>Inverse Problems</i> , 2018, 34, 024003.	1.0	46
7	SR-NLM: A sinogram restoration induced non-local means image filtering for low-dose computed tomography. <i>Computerized Medical Imaging and Graphics</i> , 2013, 37, 293-303.	3.5	44
8	Low-dose X-ray computed tomography image reconstruction with a combined low-mAs and sparse-view protocol. <i>Optics Express</i> , 2014, 22, 15190.	1.7	41
9	Low-dose cerebral perfusion computed tomography image restoration via low-rank and total variation regularizations. <i>Neurocomputing</i> , 2016, 197, 143-160.	3.5	33
10	Spectral CT Reconstruction ASSIST: Aided by Self-Similarity in Image-Spectral Tensors. <i>IEEE Transactions on Computational Imaging</i> , 2019, 5, 420-436.	2.6	29
11	Dynamic Positron Emission Tomography Image Restoration via a Kinetics-Induced Bilateral Filter. <i>PLoS ONE</i> , 2014, 9, e89282.	1.1	22
12	Iterative reconstruction for sparse-view X-ray CT using alpha-divergence constrained total generalized variation minimization. <i>Journal of X-Ray Science and Technology</i> , 2017, 25, 673-688.	0.7	14
13	Iterative reconstruction for photon-counting CT using prior image constrained total generalized variation. <i>Computers in Biology and Medicine</i> , 2018, 103, 167-182.	3.9	12
14	Total image constrained diffusion tensor for spectral computed tomography reconstruction. <i>Applied Mathematical Modelling</i> , 2019, 68, 487-508.	2.2	9
15	Iterative reconstruction for low-dose cerebral perfusion computed tomography using prior image induced diffusion tensor. <i>Physics in Medicine and Biology</i> , 2021, 66, .	1.6	8
16	High-fidelity image deconvolution for low-dose cerebral perfusion CT imaging via low-rank and total variation regularizations. <i>Neurocomputing</i> , 2019, 323, 175-187.	3.5	5
17	An Efficient Augmented Lagrangian Method for Statistical X-Ray CT Image Reconstruction. <i>PLoS ONE</i> , 2015, 10, e0140579.	1.1	5
18	An Adaptive Prediction-Correction Method for Solving Large-Scale Nonlinear Systems of Monotone Equations with Applications. <i>Abstract and Applied Analysis</i> , 2013, 2013, 1-13.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Statistical image-based material decomposition for triple-energy computed tomography using total variation regularization. Journal of X-Ray Science and Technology, 2020, 28, 1-21.	0.7	2
20	Second order total generalized variation for low-dose computed tomography image reconstruction. , 2014, , .		0
21	Spectral CT image restoration using average image induced nonlocal means filter. , 2014, , .		0