

Xuanqin Mou

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

116
papers

6,426
citations

25
h-index

80
g-index

169
ext. papers

8,162
ext. citations

4
avg, IF

6.07
L-index

#	Paper	IF	Citations
116	Multi-domain residual encoder-decoder networks for generalized compression artifact reduction. <i>Journal of Visual Communication and Image Representation</i> , 2022 , 83, 103425	2.7	
115	Non-convex optimization based optimal bone correction for various beam-hardening artifacts in CT imaging. <i>Journal of X-Ray Science and Technology</i> , 2022 , 1-18	2.1	1
114	Optimal superpixel selection for hyperspectral image classification of limited training samples. <i>International Journal of Remote Sensing</i> , 2021 , 42, 9059-9075	3.1	
113	Deep Tomographic Image Reconstruction: Yesterday, Today, and Tomorrow Editorial for the 2nd Special Issue Machine Learning for Image Reconstruction <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 2956-2964	11.7	3
112	Quality assessment of multiply and singly distorted stereoscopic images via adaptive construction of cyclopean views. <i>Signal Processing: Image Communication</i> , 2021 , 94, 116175	2.8	
111	Joint Optimization for SSIM-Based CTU-Level Bit Allocation and Rate Distortion Optimization. <i>IEEE Transactions on Broadcasting</i> , 2021 , 67, 500-511	4.7	4
110	A CNN-Based Hybrid Ring Artifact Reduction Algorithm for CT Images. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021 , 5, 253-260	4.2	5
109	CycN-Net: A Convolutional Neural Network Specialized for 4D CBCT Images Refinement. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 3054-3064	11.7	1
108	. <i>IEEE Access</i> , 2021 , 1-1	3.5	1
107	Data Augmentation and Spectral Structure Features for Limited Samples Hyperspectral Classification. <i>Remote Sensing</i> , 2021 , 13, 547	5	12
106	Joint model of gradient magnitude and Gabor features via Spatio-Temporal slice. <i>Journal of Visual Communication and Image Representation</i> , 2021 , 79, 103204	2.7	0
105	Spatiotemporal structure-aware dictionary learning-based 4D CBCT reconstruction. <i>Medical Physics</i> , 2021 , 48, 6421-6436	4.4	1
104	Low Dose CT Image Reconstruction Based on Structure Tensor Total Variation Using Accelerated Fast Iterative Shrinkage Thresholding Algorithm. <i>Sensors</i> , 2020 , 20,	3.8	4
103	Spectral CT Reconstruction via Low-Rank Representation and Region-Specific Texture Preserving Markov Random Field Regularization. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 2996-3007	11.7	2
102	High-quality initial image-guided 4D CBCT reconstruction. <i>Medical Physics</i> , 2020 , 47, 2099-2115	4.4	8
101	Modified eigenvector-based feature extraction for hyperspectral image classification using limited samples. <i>Signal, Image and Video Processing</i> , 2020 , 14, 711-717	1.6	1
100	A Novel Stationary CT Scheme Based on High-Density X-Ray Sources Device. <i>IEEE Access</i> , 2020 , 8, 112910-112921	3.5	1

99	Spectrum Estimation-Guided Iterative Reconstruction Algorithm for Dual Energy CT. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 246-258	11.7	10
98	No-reference video quality assessment based on spatiotemporal slice images and deep convolutional neural networks 2019 ,		2
97	Generative Low-Dose CT Image Denoising. <i>Advances in Computer Vision and Pattern Recognition</i> , 2019 , 277-297	1.1	1
96	A Full-Reference Image Quality Assessment Model Based on Quadratic Gradient Magnitude and LOG Signal. <i>Lecture Notes in Computer Science</i> , 2019 , 702-713	0.9	1
95	Learning No-Reference Quality Assessment of Multiply and Singly Distorted Images with Big Data. <i>IEEE Transactions on Image Processing</i> , 2019 ,	8.7	3
94	Low-Dose CT Image Denoising Using a Generative Adversarial Network With Wasserstein Distance and Perceptual Loss. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1348-1357	11.7	546
93	Low dose CT reconstruction via L1 norm dictionary learning using alternating minimization algorithm and balancing principle. <i>Journal of X-Ray Science and Technology</i> , 2018 , 26, 603-622	2.1	2
92	Quality Assessment of Screen Content Images via Convolutional-Neural-Network-Based Synthetic/Natural Segmentation. <i>IEEE Transactions on Image Processing</i> , 2018 ,	8.7	25
91	Optimization based beam-hardening correction in CT under data integral invariant constraint. <i>Physics in Medicine and Biology</i> , 2018 , 63, 135015	3.8	7
90	Video quality assessment based on motion structure partition similarity of spatiotemporal slice images. <i>Journal of Electronic Imaging</i> , 2018 , 27, 1	0.7	3
89	No-reference video quality assessment based on perceptual features extracted from multi-directional video spatiotemporal slices images 2018 ,		1
88	Low-dose computed tomography image reconstruction via structure tensor total variation regularization 2018 ,		1
87	Iterative Filtering and Structural Features for Hyperspectral Image Classification with Limited Samples. <i>Canadian Journal of Remote Sensing</i> , 2018 , 44, 575-587	1.8	0
86	Reliable gene mutation prediction in clear cell renal cell carcinoma through multi-classifier multi-objective radiogenomics model. <i>Physics in Medicine and Biology</i> , 2018 , 63, 215008	3.8	22
85	A novel method of micro-tomography geometric angle calibration with random phantom. <i>Journal of X-Ray Science and Technology</i> , 2017 ,	2.1	1
84	Data correlation based noise level estimation for cone beam projection data. <i>Journal of X-Ray Science and Technology</i> , 2017 , 25, 907-926	2.1	2
83	Evaluation of Segmentation Quality via Adaptive Composition of Reference Segmentations. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2017 , 39, 1929-1941	13.3	9
82	Tensor-Based Dictionary Learning for Spectral CT Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 142-154	11.7	91

81	Z-Index Parameterization for Volumetric CT Image Reconstruction via 3-D Dictionary Learning. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 2466-2478	11.7	23
80	QP Selection Optimization for Intra-Frame Encoding Based on Constant Perceptual Quality. <i>IEICE Transactions on Information and Systems</i> , 2016 , E99.D, 443-453	0.6	
79	A Reduced-Reference Image Quality Assessment Model Based on Joint-Distribution of Neighboring LOG Signals. <i>IS&T International Symposium on Electronic Imaging</i> , 2016 , 2016, 1-8	1	2
78	A statistical iterative reconstruction framework for dual energy computed tomography without knowing tube spectrum 2016 ,		2
77	Tensor-based dictionary learning for dynamic tomographic reconstruction. <i>Physics in Medicine and Biology</i> , 2015 , 60, 2803-18	3.8	50
76	A Simple but Effective Denoising Algorithm in Projection Domain of CBCT. <i>Lecture Notes in Computer Science</i> , 2015 , 462-469	0.9	1
75	Blind image quality assessment using statistical independence in the divisive normalization transform domain. <i>Journal of Electronic Imaging</i> , 2015 , 24, 063008	0.7	2
74	A Study on Consistency between MINAVE and MINMAX in SSIM Based Independent Perceptual Video Coding. <i>IEICE Transactions on Information and Systems</i> , 2015 , E98.D, 1417-1421	0.6	1
73	A comparison study of stationary and mobile eye tracking on EXITs design in a wayfinding system 2015 ,		2
72	Survey on Eye Movement Based Authentication Systems. <i>Communications in Computer and Information Science</i> , 2015 , 144-159	0.3	1
71	Decoupled Marginal Distribution of Gradient Magnitude and Laplacian of Gaussian for Texture Classification. <i>Communications in Computer and Information Science</i> , 2015 , 418-428	0.3	
70	Blind image quality assessment using joint statistics of gradient magnitude and Laplacian features. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 4850-62	8.7	334
69	Miniature Four-Band CPW-Fed Antenna for RFID/WiMAX/WLAN Applications. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2014 , 13, 1684-1688	3.8	10
68	LoG acts as a good feature in the task of image quality assessment 2014 ,		3
67	Dictionary Learning Based Low-Dose X-Ray CT Reconstruction 2014 , 99-119		5
66	Image quality assessment with mean squared error in a log based perceptual response domain 2014 ,		1
65	Dictionary learning based low-dose x-ray CT reconstruction using a balancing principle 2014 ,		3
64	Gradient Magnitude Similarity Deviation: A Highly Efficient Perceptual Image Quality Index. <i>IEEE Transactions on Image Processing</i> , 2014 , 23, 684-95	8.7	723

63	Conventional Mammographic Image Generation Method with Increased Calcification Sensitivity Based on Dual-Energy. <i>Lecture Notes in Computer Science</i> , 2014 , 460-467	0.9	
62	Perceptual Fidelity Aware Mean Squared Error 2013 ,		14
61	A hybrid metal artifact reduction algorithm for x-ray CT. <i>Medical Physics</i> , 2013 , 40, 041910	4.4	47
60	Learning without Human Scores for Blind Image Quality Assessment 2013 ,		221
59	Low-dose CT reconstruction based on multiscale dictionary 2013 ,		2
58	Algorithmic scatter correction in dual-energy digital mammography. <i>Medical Physics</i> , 2013 , 40, 111919	4.4	4
57	Metal artifact reduction based on beam hardening correction and statistical iterative reconstruction for X-ray computed tomography 2013 ,		4
56	Local binary pattern statistics feature for reduced reference image quality assessment 2013 ,		5
55	Edge patterns extracted from natural images and their statistics for reduced-reference image quality assessment 2013 ,		1
54	Extracting respiratory signals from thoracic cone beam CT projections. <i>Physics in Medicine and Biology</i> , 2013 , 58, 1447-64	3.8	33
53	Block-layer bit allocation for quality constrained video encoding based on constant perceptual quality 2013 ,		2
52	Image reconstruction for hybrid true-color micro-CT. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 1711-9	5	64
51	No reference image quality assessment based on statistical distribution of local Sub-Image-Similarity 2012 ,		1
50	A novel no-reference image quality assessment metric based on statistical independence 2012 ,		1
49	Low-dose X-ray CT reconstruction via dictionary learning. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 1682-97	11.7	362
48	Reduced reference image quality assessment via sub-image similarity based redundancy measurement 2012 ,		3
47	A comprehensive evaluation of full reference image quality assessment algorithms 2012 ,		90
46	Algorithmic scatter correction in dual-energy digital mammography for calcification imaging 2012 ,		1

45	The mathematical equivalence of consistency conditions in the divergent-beam computed tomography. <i>Journal of X-Ray Science and Technology</i> , 2012 , 20, 45-68	2.1	6
44	Medipix-based Spectral Micro-CT 2012 , 21, 583		2
43	A Novel Miniature Four-Band CPW-Fed Antenna Optimized Using ISPO Algorithm. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2012 , 576-581 ^{0.2}		
42	CT gradient image reconstruction directly from projections. <i>Journal of X-Ray Science and Technology</i> , 2011 , 19, 173-98	2.1	1
41	Image quality assessment based on edge 2011 ,		5
40	Reduced reference image quality assessment based on statistics of edge 2011 ,		8
39	Statistical interior tomography. <i>IEEE Transactions on Medical Imaging</i> , 2011 , 30, 1116-28	11.7	65
38	FSIM: a feature similarity index for image quality assessment. <i>IEEE Transactions on Image Processing</i> , 2011 , 20, 2378-86	8.7	2523
37	Non-Shift Edge Based Ratio (NSER): An Image Quality Assessment Metric Based on Early Vision Features. <i>IEEE Signal Processing Letters</i> , 2011 , 18, 315-318	3.2	35
36	An image quality assessment metric based on Non-shift Edge 2011 ,		9
35	Data consistency conditionBased beam-hardening correction. <i>Optical Engineering</i> , 2011 , 50, 076501	1.1	8
34	Image noise sensitivity of dual-energy digital mammography for calcification imaging 2011 ,		1
33	Weighted Total Variation constrained reconstruction for reduction of metal artifact in CT 2010 ,		5
32	Beam hardening correction for fan-beam CT imaging with multiple materials 2010 ,		2
31	RFSIM: A feature based image quality assessment metric using Riesz transforms 2010 ,		93
30	2010 ,		1
29	Projection correlation based view interpolation for cone beam CT: primary fluence restoration in scatter measurement with a moving beam stop array. <i>Physics in Medicine and Biology</i> , 2010 , 55, 6353-75 ^{3.8}	3.8	40
28	Adaptive beam hardening correction based on projection data consistency condition 2010 ,		1

27	Recent progress in local reconstruction 2010 ,		1
26	Statistical interior tomography 2010 ,		5
25	Hierarchical multiscale LBP for face and palmprint recognition 2010 ,		73
24	Reduced reference image quality assessment based on Weibull statistics 2010 ,		21
23	A new implementation of UHF RFID reader 2009 ,		2
22	Implementation of penalized-likelihood statistical reconstruction for polychromatic dual-energy CT 2009 ,		7
21	Iterative scatter correction for x-ray cone-beam CT with semi-transparent beam stop array 2009 ,		2
20	A psychovisual image Quality Metric based on multi-scale Structure Similarity 2008 ,		3
19	Beam hardening correction based on HL consistency in polychromatic transmission tomography 2008 ,		3
18	The impact of calibration phantom errors on dual-energy digital mammography. <i>Physics in Medicine and Biology</i> , 2008 , 53, 6321-36	3.8	9
17	Error analysis of calibration materials on dual-energy mammography 2007 , 10, 596-603		5
16	A robust x-ray tube spectra measuring method by attenuation data 2006 ,		4
15	A novel contrast equalization method for chest radiograph 2006 , 6144, 2146		1
14	A beam hardening correction method based on HL consistency 2006 , 6318, 583		3
13	Registration for DSA Image Using Triangle Grid and Spatial Transformation Based on Stretching 2006 ,		1
12	An applicability research on JND model 2006 ,		2
11	Breaking a chaos-noise-based secure communication scheme. <i>Chaos</i> , 2005 , 15, 13703	3.3	22
10	ON THE DYNAMICAL DEGRADATION OF DIGITAL PIECEWISE LINEAR CHAOTIC MAPS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005 , 15, 3119-3151	2	255

9	Reconstruction of Vessel Axis Based on the Matching of iterative Projection Algorithm and Analysis of Corresponding Points. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2005, 3316-9		
8	Baptista-type chaotic cryptosystems: problems and countermeasures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 332, 368-375	2.3	53
7	On the security of the Yi-Tan-Siew chaotic cipher. <i>IEEE Transactions on Circuits and Systems Part 2: Express Briefs</i> , 2004 , 51, 665-669		15
6	PROBLEMS WITH A PROBABILISTIC ENCRYPTION SCHEME BASED ON CHAOTIC SYSTEMS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2003 , 13, 3063-3077	2	30
5	Performance analysis of Jakimoski-Kocarev attack on a class of chaotic cryptosystems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2003 , 307, 22-28	2.3	40
4	On the security of a chaotic encryption scheme: problems with computerized chaos in finite computing precision. <i>Computer Physics Communications</i> , 2003 , 153, 52-58	4.2	126
3	Segment Self-Guide Reconstruction Algorithm Based on Object-Oriented Quantization. <i>Lecture Notes in Computer Science</i> , 2003 , 457-465	0.9	
2	Chaotic encryption scheme for real-time digital video 2002 , 4666, 149		47
1	Improving security of a chaotic encryption approach. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001 , 290, 127-133	2.3	98