

# Luxin Yan

## List of Publications by Year in descending order

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31  
papers

1,507  
citations

623734

14  
h-index

677142

22  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1075  
citing authors

#	ARTICLE	IF	CITATIONS
1	HSI-DeNet: Hyperspectral Image Restoration via Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 667-682.	6.3	195
2	Anisotropic Spectral-Spatial Total Variation Model for Multispectral Remote Sensing Image Destriping. IEEE Transactions on Image Processing, 2015, 24, 1852-1866.	9.8	176
3	Remote Sensing Image Stripe Noise Removal: From Image Decomposition Perspective. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7018-7031.	6.3	155
4	Hyper-Laplacian Regularized Unidirectional Low-Rank Tensor Recovery for Multispectral Image Denoising. , 2017, , .		122
5	Weighted Low-Rank Tensor Recovery for Hyperspectral Image Restoration. IEEE Transactions on Cybernetics, 2020, 50, 4558-4572.	9.5	109
6	Blind image deconvolution with spatially adaptive total variation regularization. Optics Letters, 2012, 37, 2778.	3.3	98
7	Transformed Low-Rank Model for Line Pattern Noise Removal. , 2017, , .		96
8	Simultaneous Destriping and Denoising for Remote Sensing Images With Unidirectional Total Variation and Sparse Representation. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1051-1055.	3.1	83
9	Two-Stage Convolutional Neural Network for Medical Noise Removal via Image Decomposition. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 2707-2721.	4.7	54
10	Toward Universal Stripe Removal via Wavelet-Based Deep Convolutional Neural Network. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2880-2897.	6.3	53
11	Semi-Blind Spectral Deconvolution with Adaptive Tikhonov Regularization. Applied Spectroscopy, 2012, 66, 1334-1346.	2.2	45
12	Hyperspectral Image Restoration: Where Does the Low-Rank Property Exist. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6869-6884.	6.3	45
13	Closing the Loop: Joint Rain Generation and Removal via Disentangled Image Translation. , 2021, , .		45
14	Learning Robust Facial Landmark Detection via Hierarchical Structured Ensemble. , 2019, , .		42
15	Atmospheric-Turbulence-Degraded Astronomical Image Restoration by Minimizing Second-Order Central Moment. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 672-676.	3.1	31
16	Infrared Aerothermal Nonuniform Correction via Deep Multiscale Residual Network. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1120-1124.	3.1	31
17	Infrared Small UAV Target Detection Based on Residual Image Prediction via Global and Local Dilated Residual Networks. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	23
18	An Adaptive Non-local Total Variation Blind Deconvolution Employing Split Bregman Iteration. Circuits, Systems, and Signal Processing, 2013, 32, 2407-2421.	2.0	20

#	ARTICLE	IF	CITATIONS
19	Clustering-Based Extraction of Near Border Data Samples for Remote Sensing Image Classification. Cognitive Computation, 2013, 5, 19-31.	5.2	12
20	High-Throughput Architecture for Both Lossless and Near-lossless Compression Modes of LOCO-I Algorithm. IEEE Transactions on Circuits and Systems for Video Technology, 2019, 29, 3754-3764.	8.3	12
21	A DSP/FPGA - Based Parallel Architecture for Real-time Image Processing. , 2006, , .		10
22	A High Performance Fully Pipelined Architecture for Lossless Compression of Satellite Image. , 2010, , .		10
23	Towards Unconstrained Facial Landmark Detection Robust to Diverse Cropping Manners. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 2070-2075.	8.3	7
24	STUDY ON MULTICHANNEL PASSIVE MILLIMETER-WAVE RADIOMETER IMAGING AND SUPERRESOLUTION. Journal of Infrared, Millimeter and Terahertz Waves, 2007, 27, 1403-1414.	0.6	5
25	Adaptive Nonconvex Nonsmooth Regularization for Image Restoration Based on Spatial Information. Circuits, Systems, and Signal Processing, 2014, 33, 2549-2564.	2.0	5
26	Learning Blind Denoising Network for Noisy Image Deblurring. , 2020, , .		5
27	A New Orientation Estimation Method Based on Rotation Invariant Gradient for Feature Points. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 791-795.	3.1	5
28	A Real-time Anti-distractor Infrared UAV Tracker with Channel Feature Refinement Module. , 2021, , .		5
29	Category-Aware Aircraft Landmark Detection. IEEE Signal Processing Letters, 2021, 28, 61-65.	3.6	4
30	On-Orbit Real-Time Variational Image Destriping: FPGA Architecture and Implementation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12.	6.3	3
31	Thresholding using two-dimensional histogram based on local entropy. , 2010, , .		1