Yanfeng Gu

List of Publications by Citations

108 papers	3,646 citations	22 h-index	59 g-index
146 ext. papers	4,283 ext. citations	5.3 avg, IF	5.93 L-index

#	Paper	IF	Citations
108	Deep Learning-Based Classification of Hyperspectral Data. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2014**, 7, 2094-2107	4.7	1442
107	. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 4775-4784	8.1	264
106	. *IEEE Transactions on Geoscience and Remote Sensing*, **2016**, 54, 3235-3247	8.1	165
105	. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 6547-6565	8.1	149
104	. *IEEE Transactions on Geoscience and Remote Sensing*, **2012**, 50, 2852-2865	8.1	147
103	A Kernel-Based Nonparametric Regression Method for Clutter Removal in Infrared Small-Target Detection Applications. *IEEE Geoscience and Remote Sensing Letters*, **2010**, 7, 469-473	4.1	119
102	Deep Fusion of Remote Sensing Data for Accurate Classification. *IEEE Geoscience and Remote Sensing Letters*, **2017**, 14, 1253-1257	4.1	93
101	. *IEEE Transactions on Geoscience and Remote Sensing*, **2016**, 54, 3912-3927	8.1	85
100	. *IEEE Transactions on Geoscience and Remote Sensing*, **2015**, 53, 5312-5326	8.1	75
99	Integration of Spatial–Spectral Information for Resolution Enhancement in Hyperspectral Images. *IEEE Transactions on Geoscience and Remote Sensing*, **2008**, 46, 1347-1358	8.1	71
98	A Selective KPCA Algorithm Based on High-Order Statistics for Anomaly Detection in Hyperspectral Imagery. *IEEE Geoscience and Remote Sensing Letters*, **2008**, 5, 43-47	4.1	69
97	. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 1967-1974	8.1	60
96	Deep Learning Ensemble for Hyperspectral Image Classification. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2019**, 12, 1882-1897	4.7	60
95	Recent developments and trends in point set registration methods. *Journal of Visual Communication and Image Representation*, **2017**, 46, 95-106	2.7	58
94	. *IEEE Transactions on Geoscience and Remote Sensing*, **2016**, 54, 7351-7365	8.1	53
93	Superpixel-Based Intrinsic Image Decomposition of Hyperspectral Images. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 4285-4295	8.1	47
92	. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2015**, 8, 2739-2751	4.7	47

91	Optimized Laplacian SVM With Distance Metric Learning for Hyperspectral Image Classification. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2013**, 6, 1109-1117	4.7	42
90	. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 6950-6963	8.1	29
89	Region-Enhanced Convolutional Neural Network for Object Detection in Remote Sensing Images. *IEEE Transactions on Geoscience and Remote Sensing*, **2020**, 58, 5693-5702	8.1	23
88	An Informative Feature Selection Method Based on Sparse PCA for VHR Scene Classification. *IEEE Geoscience and Remote Sensing Letters*, **2016**, 13, 147-151	4.1	23
87	Sample-screening MKL method via boosting strategy for hyperspectral image classification. *Neurocomputing*, **2016**, 173, 1630-1639	5.4	22
86	Multitemporal Landsat Missing Data Recovery Based on Tempo-Spectral Angle Model. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 3656-3668	8.1	21
85	Multiple Kernel Sparse Representation for Airborne LiDAR Data Classification. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 1085-1105	8.1	21
84	. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2014**, 7, 2119-2130	4.7	20
83	Tensorized Principal Component Alignment: A Unified Framework for Multimodal High-Resolution Images Classification. *IEEE Transactions on Geoscience and Remote Sensing*, **2019**, 57, 46-61	8.1	20
82	Discriminative Graph-Based Fusion of HSI and LiDAR Data for Urban Area Classification. *IEEE Geoscience and Remote Sensing Letters*, **2017**, 14, 906-910	4.1	19
81	L1-graph semisupervised learning for hyperspectral image classification **2012**,		19
80	Stereo vision sensor calibration based on random spatial points given by CMM. *Optik*, **2012**, 123, 731-734	2.5	18
79	Spectral Unmixing in Multiple-Kernel Hilbert Space for Hyperspectral Imagery. *IEEE Transactions on Geoscience and Remote Sensing*, **2013**, 51, 3968-3981	8.1	18
78	Unsupervised Cross-Temporal Classification of Hyperspectral Images With Multiple Geodesic Flow Kernel Learning. *IEEE Transactions on Geoscience and Remote Sensing*, **2019**, 57, 9688-9701	8.1	15
77	Enhanced Self-Training Superresolution Mapping Technique for Hyperspectral Imagery. *IEEE Geoscience and Remote Sensing Letters*, **2011**, 8, 671-675	4.1	15
76	Kernel-based regularized-angle spectral matching for target detection in hyperspectral imagery. *Pattern Recognition Letters*, **2011**, 32, 114-119	4.7	15
75	Multimodal hyperspectral remote sensing: an overview and perspective. *Science China Information Sciences*, **2021**, 64, 1	3.4	15
74	Satellite Video Super-Resolution Based on Adaptively Spatiotemporal Neighbors and Nonlocal Similarity Regularization. *IEEE Transactions on Geoscience and Remote Sensing*, **2020**, 58, 8372-8383	8.1	14

73	A Discriminative Tensor Representation Model for Feature Extraction and Classification of Multispectral LiDAR Data. *IEEE Transactions on Geoscience and Remote Sensing*, **2020**, 58, 1568-1586	8.1	14
72	Hyperspectral target detection via exploiting spatial-spectral joint sparsity. *Neurocomputing*, **2015**, 169, 5-12	5.4	13
71	. *IEEE Transactions on Geoscience and Remote Sensing*, **2019**, 57, 224-238	8.1	12
70	Detection of Event of Interest for Satellite Video Understanding. *IEEE Transactions on Geoscience and Remote Sensing*, **2020**, 58, 7860-7871	8.1	12
69	Superpixel Tensor Model for Spatial–Spectral Classification of Remote Sensing Images. *IEEE Transactions on Geoscience and Remote Sensing*, **2019**, 57, 4705-4719	8.1	12
68	Ultrasound echocardiography despeckling with non-local means time series filter. *Neurocomputing*, **2014**, 124, 120-130	5.4	10
67	Rotation adaptive correlation filter for moving object tracking in satellite videos. *Neurocomputing*, **2021**, 438, 94-106	5.4	10
66	Deep feature extraction and motion representation for satellite video scene classification. *Science China Information Sciences*, **2020**, 63, 1	3.4	9
65	Progressive Spatial-Spectral Joint Network for Hyperspectral Image Reconstruction. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-14	8.1	9
64	Deep fusion of hyperspectral and LiDAR data for thematic classification **2016**,		8
63	Deep feature extraction and combination for remote sensing image classification based on pre-trained CNN models **2017**,		8
62	Hyperspectral Image Recovery Using Nonconvex Sparsity and Low-Rank Regularizations. *IEEE Transactions on Geoscience and Remote Sensing*, **2020**, 58, 532-545	8.1	8
61	Supervised Multiview Feature Selection Exploring Homogeneity and Heterogeneity With $ell_{1,2}$ -Norm and Automatic View Generation. *IEEE Transactions on Geoscience and Remote Sensing*, **2017**, 55, 2074-2088	8.1	7
60	Class-Specific Feature Selection With Local Geometric Structure and Discriminative Information Based on Sparse Similar Samples. *IEEE Geoscience and Remote Sensing Letters*, **2015**, 12, 1392-1396	4.1	7
59	UAV-based integrated multispectral-LiDAR imaging system and data processing. *Science China Technological Sciences*, **2020**, 63, 1293-1301	3.5	7
58	. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2016**, 9, 1888-1900	4.7	6
57	Resolution enhancement of hyperspectral images using a learning-based super-resolution mapping technique **2009**,		6
56	An Online Distributed Satellite Cooperative Observation Scheduling Algorithm Based on Multiagent Deep Reinforcement Learning. *IEEE Geoscience and Remote Sensing Letters*, **2020**, 1-5	4.1	6

55	An infrared-small-target detection method in compressed sensing domain based on local segment contrast measure. *Infrared Physics and Technology*, **2018**, 93, 41-52	2.7	5
54	Three-Dimensional Reconstruction of Multiplatform Stereo Data With Variance Component Estimation. *IEEE Transactions on Geoscience and Remote Sensing*, **2014**, 52, 4211-4226	8.1	5
53	Membership Premium or Self-Selection? Communist Party Recruitment and Social Stratification in Urban China. *Journal of Chinese Political Science*, **2018**, 23, 499-518	1.8	4
52	Robust spatio-temporal context for infrared target tracking. *Infrared Physics and Technology*, **2018**, 91, 263-277	2.7	4
51	Comparative Analysis of Feature Extraction Algorithms with Different Rules for Hyperspectral Anomaly Detection **2010**,		4
50	Robust feature matching and selection methods for multisensor image registration **2009**,		4
49	Multiple Kernel Learning for Hyperspectral Image Classification. *Advances in Computer Vision and Pattern Recognition*, **2020**, 259-293	1.1	4
48	A Fast Intra Coding Algorithm for Spatial Scalability in SHVC **2018**,		4
47	Unsupervised Multitemporal Domain Adaptation With Source Labels Learning. *IEEE Geoscience and Remote Sensing Letters*, **2019**, 16, 1477-1481	4.1	3
46	Rare signal component extraction based on kernel methods for anomaly detection in hyperspectral imagery. *Neurocomputing*, **2013**, 108, 103-110	5.4	3
45	Spatial-spectral multiple kernel learning for hyperspectral image classification **2013**,		3
44	A Composite Kernel Regression Method Integrating Spatial and Gray Information for Infrared Small Target Detection **2010**,		3
43	Multiple-kernel learning-based unmixing algorithm for estimation of cloud fractions with MODIS and CloudSat data **2012**,		3
42	SAR Image Compression Using HVS Model **2006**,		3
41	Multitemporal Intrinsic Image Decomposition With Temporal-Spatial Energy Constraints for Remote Sensing Image Analysis. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-16	8.1	3
40	Multi-attribute smooth graph convolutional network for multispectral points classification. *Science China Technological Sciences*,1	3.5	3
39	A hierarchical energy minimization method for building roof segmentation from airborne LiDAR data. *Multimedia Tools and Applications*, **2017**, 76, 4197-4210	2.5	2
38	Robust cost function for optimizing chamfer masks. *Visual Computer*, **2018**, 34, 617-632	2.3	2

37	A VHR scene classification method integrating sparse PCA and saliency computing **2016**,		2
36	Improved neighborhood similar pixel interpolator for filling unsacn multi-temporal Landsat ETM+ data without reference **2016**,		2
35	Hyperspectral image classification with multiple kernel Boosting algorithm **2014**,		2
34	MUlti information based Ground Control Points selection method **2011**,		2
33	Hyperspectral Feature Extraction using Selective PCA based on Genetic Algorithm with Subgroups		2
32	Unsupervised subspace linear spectral mixture analysis for hyperspectral images		2
31	Kernel-Based Online Object Tracking via Gaussian Mixture Model Learning **2016**,		2
30	Semi-supervised class-specific feature selection for VHR remote sensing images. *Remote Sensing Letters*, **2016**, 7, 601-610	2.3	2
29	**2019**,		2
28	Parameter feature extraction for hyperspectral detection of the shallow underwater target. *Science China Technological Sciences*, **2021**, 64, 1092-1100	3.5	2
27	Cnn Based Renormalization Method for Ship Detection in Vhr Remote Sensing Images **2018**,		2
26	LiDAR point classification based on joint sparse representation in kernel space **2016**,		1
25	Linear discriminant multiple kernel learning for multispectral image classification **2014**,		1
24	Kernel regression-based background predicting method for target detection in SAR image **2009**,		1
23	Spatial-spectral data fusion for resolution enhancement of hyperspectral imagery **2009**,		1
22	Particle Swarm Optimization with Powell's Direction Set Method for Remote Sensing Image Registration **2009**,		1
21	Detail-preserving despeckling under multiscale anisotropic diffusion in medical ultrasound images **2011**,		1
20	KPCA Algorithm for Hyperspectral Target/Anomaly Detection353-373		1

19	A Selective Kernel PCA Algorithm for Anomaly Detection in Hyperspectral Imagery		1
18	Unmixing Component Analysis for Anomaly Detection in Hyperspectral Imagery **2006**,		1
17	Band Selection Based On A New Seperability Measure For Hyperspectral Images Classification **2006** ,		1
16	A kernel based nonlinear subspace projection method for reduction of hyperspectral image dimensionality		1
15	Hyperspectral Intrinsic Image Decomposition with Enhanced Spatial Information. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 1-1	8.1	1
14	Sparse Multiple Kernel Learning for Hyperspectral Image Classification Using Spatial-Spectral Features **2016**,		1
13	Sequential Tensor Decomposition For Gas Tracking In Lwir Hyperspectral Video Sequences **2019**,		1
12	Very High Resolution Image Scene Classification with Capsule Network **2019**,		1
11	Combine Reflectance with Shading Component for Hyperspectral Image Classification **2018**,		1
10	Class-guided coupled dictionary learning for multispectral-hyperspectral remote sensing image collaborative classification. *Science China Technological Sciences*,1	3.5	1
9	Intrinsic Hyperspectral Image Decomposition With DSM Cues. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-13	8.1	0
8	Supervoxel-Based Intrinsic Scene Properties From Hyperspectral Images and LiDAR. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 1-13	8.1	0
7	Efficient Convolutional Neural Architecture Search for LiDAR DSM Classification. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 60, 1-17	8.1	0
6	Putting Marxism into Action: The Role of Exploitation in Land Reform in a North Zhejiang Village. *Chinese Political Science Review*, **2018**, 3, 430-463	0.5	
5	ASSA13-10-7 Hemodynamic Evaluation in Patients with Acute Myocardial Infarction After PCI and Its Correlation with Left Ventricular Remodelling. *Heart*, **2013**, 99, A44.1-A44	5.1	
4	A robust scheduling algorithm for space telescopes with unpredictable tasks. *Science China Technological Sciences*, **2021**, 64, 571-584	3.5	
3	Deep Joint Estimation Network for Satellite Video Super-Resolution with Multiple Degradations. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 1-1	8.1	
2	Integrating Coupled Dictionary Learning and Distance Preserved Probability Distribution Adaptation for Multispectral-Hyperspectral Image Collaborative Classification. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 1-1	8.1	

1 Satellite Video Scene Classification Using Low-Rank Sparse Representation Two-Stream Networks. *IEEE Transactions on Geoscience and Remote Sensing*, **2022**, 60, 1-12 8.1