

Antonio J Plaza

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | GPU-Friendly Neural Networks for Remote Sensing Scene Classification. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 3.1 | 6 |
| 2 | A ³ CLNN: Spatial, Spectral and Multiscale Attention ConvLSTM Neural Network for Multisource Remote Sensing Data Classification. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 747-761. | 11.3 | 58 |
| 3 | Ship Detection in SAR Images by Aggregating Densities of Fisher Vectors: Extension to a Global Perspective. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13. | 6.3 | 7 |
| 4 | Spectral-Spatial Hyperspectral Unmixing Using Nonnegative Matrix Factorization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13. | 6.3 | 20 |
| 5 | Separable Attention Network in Single- and Mixed-Precision Floating Point for Land-Cover Classification of Remote Sensing Images. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 3.1 | 7 |
| 6 | Accelerating Convolutional Neural Network-Based Hyperspectral Image Classification by Step Activation Quantization. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12. | 6.3 | 27 |
| 7 | Deep Learning-Based Building Footprint Extraction With Missing Annotations. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 3.1 | 7 |
| 8 | Self-Supervised Robust Deep Matrix Factorization for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14. | 6.3 | 12 |
| 9 | Rotation-Invariant Deep Embedding for Remote Sensing Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13. | 6.3 | 8 |
| 10 | DFLLR: Deep Feature Learning With Latent Relationship Embedding for Remote Sensing Image Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14. | 6.3 | 6 |
| 11 | Endmember Estimation From Hyperspectral Images Using Geometric Distances. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 3.1 | 5 |
| 12 | Generative Adversarial Minority Oversampling for Spectral-Spatial Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15. | 6.3 | 44 |
| 13 | Enhanced Spatiotemporal Fusion via MODIS-Like Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17. | 6.3 | 6 |
| 14 | Hashing for Localization (HfL): A Baseline for Fast Localizing Objects in a Large-Scale Scene. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16. | 6.3 | 7 |
| 15 | Ensemble Entropy Metric for Hyperspectral Anomaly Detection. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17. | 6.3 | 7 |
| 16 | DS ⁴ L: Deep Semisupervised Shared Subspace Learning for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14. | 6.3 | 3 |
| 17 | Revisiting Deep Hyperspectral Feature Extraction Networks via Gradient Centralized Convolution. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19. | 6.3 | 18 |
| 18 | SpectralFormer: Rethinking Hyperspectral Image Classification With Transformers. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15. | 6.3 | 414 |

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| 19 | CNN-Based Hyperspectral Pansharpener With Arbitrary Resolution. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-21. | 6.3 | 13 |
| 20 | Efficient Semantic Segmentation of Hyperspectral Images Using Adaptable Rectangular Convolution. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5. | 3.1 | 9 |
| 21 | Hyperspectral Classification via Global-Local Hierarchical Weighting Fusion Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 184-200. | 4.9 | 19 |
| 22 | Revisiting SLIC: Fast Superpixel Segmentation of Marine SAR Images Using Density Features. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-18. | 6.3 | 6 |
| 23 | Attention mechanism-based generative adversarial networks for cloud removal in Landsat images. Remote Sensing of Environment, 2022, 271, 112902. | 11.0 | 29 |
| 24 | Fast Orthogonal Projection for Hyperspectral Unmixing. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-13. | 6.3 | 6 |
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| 26 | A hybrid ensemble-based deep-learning framework for landslide susceptibility mapping. International Journal of Applied Earth Observation and Geoinformation, 2022, 108, 102713. | 2.8 | 37 |
| 27 | Optical Remote Sensing Image Understanding With Weak Supervision: Concepts, methods, and perspectives. IEEE Geoscience and Remote Sensing Magazine, 2022, 10, 250-269. | 9.6 | 24 |
| 28 | A Siamese Network Based U-Net for Change Detection in High Resolution Remote Sensing Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 2357-2369. | 4.9 | 41 |
| 29 | DisOptNet: Distilling Semantic Knowledge From Optical Images for Weather-Independent Building Segmentation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-15. | 6.3 | 29 |
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| 31 | Open-Pit Mine Area Mapping With Gaofen-2 Satellite Images Using U-Net+. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2022, 15, 3589-3599. | 4.9 | 15 |
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| 34 | Hyperspectral and LiDAR Data Classification Using Joint CNNs and Morphological Feature Learning. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16. | 6.3 | 19 |
| 35 | Multiattribute Sample Learning for Hyperspectral Image Classification Using Hierarchical Peak Attribute Propagation. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-17. | 4.7 | 10 |
| 36 | Hyperspectral Anomaly Detection With Relaxed Collaborative Representation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-17. | 6.3 | 19 |

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| 38 | DRFL-VAT: Deep Representative Feature Learning With Virtual Adversarial Training for Semisupervised Classification of Hyperspectral Image. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-14. | 6.3 | 3 |
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| 42 | Naive Gabor Networks for Hyperspectral Image Classification. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 376-390. | 11.3 | 40 |
| 43 | Multibranch Selective Kernel Networks for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1089-1093. | 3.1 | 28 |
| 44 | U-IMG2DSM: Unpaired Simulation of Digital Surface Models With Generative Adversarial Networks. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1288-1292. | 3.1 | 15 |
| 45 | Unsupervised Remote Sensing Image Retrieval Using Probabilistic Latent Semantic Hashing. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 256-260. | 3.1 | 26 |
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| 48 | Geographic Optimal Transport for Heterogeneous Data: Fusing Remote Sensing and Social Media. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6935-6945. | 6.3 | 8 |
| 49 | Graph Relation Network: Modeling Relations Between Scenes for Multilabel Remote-Sensing Image Classification and Retrieval. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 4355-4369. | 6.3 | 52 |
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| 64 | Robust Normalized Softmax Loss for Deep Metric Learning-Based Characterization of Remote Sensing Images With Label Noise. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8798-8811. | 6.3 | 20 |
| 65 | Landslide Detection Using Densely Connected Convolutional Networks and Environmental Conditions. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 5235-5247. | 4.9 | 43 |
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| 70 | Image Segmentation Using Deep Learning: A Survey. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, PP, 1-1. | 13.9 | 1,071 |
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| 73 | Generalized Scalable Neighborhood Component Analysis for Single and Multi-Label Remote Sensing Image Characterization. , 2021, , . | | 0 |
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| 78 | Hyperspectral Unmixing Based on Spectral and Sparse Deep Convolutional Neural Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 11669-11682. | 4.9 | 11 |
| 79 | Neighboring Region Dropout for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1032-1036. | 3.1 | 11 |
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| 81 | A Single Model CNN for Hyperspectral Image Denoising. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2516-2529. | 6.3 | 87 |
| 82 | Neural Ordinary Differential Equations for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 1718-1734. | 6.3 | 14 |
| 83 | An Accurate Vegetation and Non-Vegetation Differentiation Approach Based on Land Cover Classification. Remote Sensing, 2020, 12, 3880. | 4.0 | 32 |
| 84 | Object-Oriented Open-Pit Mine Mapping Using Gaofen-2 Satellite Image and Convolutional Neural Network, for the Yuzhou City, China. Remote Sensing, 2020, 12, 3895. | 4.0 | 22 |
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| 89 | Curvelet Transform Domain-Based Sparse Nonnegative Matrix Factorization for Hyperspectral Unmixing. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4908-4924. | 4.9 | 16 |
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| 92 | Hyperspectral Anomaly Detection Using Dual Window Density. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8503-8517. | 6.3 | 32 |
| 93 | Deep Metric Learning Based on Scalable Neighborhood Components for Remote Sensing Scene Characterization. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 8905-8918. | 6.3 | 59 |
| 94 | Improving Land Cover Classification Using Extended Multi-Attribute Profiles (EMAP) Enhanced Color, Near Infrared, and LiDAR Data. Remote Sensing, 2020, 12, 1392. | 4.0 | 23 |
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| 105 | Inference in Supervised Spectral Classifiers for On-Board Hyperspectral Imaging: An Overview. Remote Sensing, 2020, 12, 534. | 4.0 | 33 |
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| 112 | Intersensor Remote Sensing Image Registration Using Multispectral Semantic Embeddings. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1545-1549. | 3.1 | 10 |
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| 114 | Remote Sensing Image Superresolution Using Deep Residual Channel Attention. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9277-9289. | 6.3 | 67 |
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| 120 | An Efficient and Scalable Framework for Processing Remotely Sensed Big Data in Cloud Computing Environments. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 4294-4308. | 6.3 | 61 |
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| 126 | Remote Sensing Single-Image Superresolution Based on a Deep Compendium Model. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1432-1436. | 3.1 | 45 |

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| 127 | Pansharpening via Detail Injection Based Convolutional Neural Networks. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 1188-1204. | 4.9 | 131 |
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