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**Published
Papers**

Book

J.A. Benediktsson and P. Ghamisi, *Spectral-Spatial Classification of Hyperspectral Remote Sensing Images*, Artech House, Boston, 2015.

Papers in Refereed International Journals:

- (1) C. Yang, X. Zhang, L. Bruzzone, B. Liu, D. Liu, X. Ren, J.A. Benediktsson, Y. Liang, B. Yang, M. Yin, H. Zhao, R. Guan, C. Li, Z. Ouyang, "Comprehensive mapping of lunar surface chemistry by adding Chang'e 5 samples with deep learning," *Nature Communications*, Open Access, Volume 14, Article number 7554, 2023.
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- (3) X. Yue, D. Liu, L. Wang, J.A. Benediktsson, L. Meng and L. Deng, IESRGAN: Enhanced U-Net Structured Generative Adversarial Network for Remote Sensing Image Super-Resolution Reconstruction, *Remote Sensing*, 2023, 15(14), 3490; <https://doi.org/10.3390/rs15143490>
- (4) L. Meng, D. Liu, L. Wang, J.A. Benediktsson, X. Yue, and Y. Pan, "Augmented GBM Nonlinear Model to Address Spectral Variability for Hyperspectral Unmixing," *Remote Sensing* 2023, 15(12), 3205; <https://doi.org/10.3390/rs15123205>
- (5) Z. Lv, P. Zhang, W. Sun, T. Lei, J. A. Benediktsson and P. Li, "Sample Iterative Enhancement Approach for Improving Classification Performance of Hyperspectral Imagery," *IEEE Geoscience and Remote Sensing Letters*, vol. 21, pp. 1-5, 2024, Art no. 2500605, doi: 10.1109/LGRS.2023.3348093.
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- (7) Z. Lv, M. Zhang, W. Sun, J. A. Benediktsson, T. Lei and N. Falco, "Spatial-Contextual Information Utilization Framework for Land Cover Change Detection With Hyperspectral Remote Sensed Images," in *IEEE Transactions on Geoscience and Remote Sensing*, vol. 61, pp. 1-11, 2023, Art no. 4411911,

doi: 10.1109/TGRS.2023.3336791.

- (8) Z. Lv, H. Huang, W. Sun, T. Lei, J. A. Benediktsson and J. Li, "Novel Enhanced UNet for Change Detection Using Multimodal Remote Sensing Image," in *IEEE Geoscience and Remote Sensing Letters*, vol. 20, pp. 1-5, 2023, Art no. 2505405, doi: 10.1109/LGRS.2023.3325439.
- (9) Z. Lv, P. Zhang, W. Sun, J. A. Benediktsson and T. Lei, "Novel Land-Cover Classification Approach with Nonparametric Sample Augmentation for Hyperspectral Remote-Sensing Images," in *IEEE Transactions on Geoscience and Remote Sensing*, vol. 61, pp. 1-13, 2023, Art no. 4407613, doi: 10.1109/TGRS.2023.3309949.
- (10) Z. Lv, H. Huang, W. Sun, M. Jia, J. A. Benediktsson and F. Chen, "Iterative Training Sample Augmentation for Enhancing Land Cover Change Detection Performance with Deep Learning Neural Network," in *IEEE Transactions on Neural Networks and Learning Systems*, doi: 10.1109/TNNLS.2023.3282935.
- (11) Z. Lv, P. Zhang, W. Sun, J. A. Benediktsson, J. Li and W. Wang, "Novel Adaptive Region Spectral–Spatial Features for Land Cover Classification With High Spatial Resolution Remotely Sensed Imagery," in *IEEE Transactions on Geoscience and Remote Sensing*, vol. 61, pp. 1-12, 2023, Art no. 5609412,
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