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Publications

Book:

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

Articles in Internationally Refereed Journals:

- (1) D. Liu, E. Wang, Y. Pan, L. Wang, J.A. Benediktsson, J. Wang, and D. Lei, "Pansharpening Based on Multimodal Texture Correction and Adaptive Edge Detail FusionOpens in a new tab, *Remote Sensing*, Vol. 16, Article No. 2941, 2024
- (2) D. Hong *et al.*, "SpectralGPT: Spectral Remote Sensing Foundation Model," in *IEEE Transactions on Pattern Analysis and Machine Intelligence*, vol. 46, no. 8, pp. 5227-5244, Aug. 2024, doi: 10.1109/TPAMI.2024.3362475.
- (3) 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," in *IEEE Geoscience and Remote Sensing Letters*, vol. 21, pp. 1-5, 2024, Art no. 2500605, doi: 10.1109/LGRS.2023.3348093.
- (4) Z. Ye, L. Zhang, C. Zheng, J. Peng and J. A. Benediktsson, "Small-Sample Classification for Hyperspectral Images With EPF-Based Smooth Ordering," in *IEEE Transactions on Geoscience and Remote Sensing*, vol. 62, pp. 1-14, 2024, Art no. 5525814, doi: 10.1109/TGRS.2024.3436821.
- (5) Z. Lv, P. Zhang, L. Xie, J. A. Benediktsson and T. Lei, "Iterative Sample Generation and Balance Approach for Improving Hyperspectral Remote Sensing Imagery Classification with Deep Learning Network," in *IEEE Transactions on Geoscience and Remote Sensing*, vol. 62, pp. 1-13, 2024, Art no. 5524413, doi: 10.1109/TGRS.2024.3432792.
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- (8) X. Zhao, J. A. Benediktsson, Y. Yang, K. -S. Chen and M. Ö. Úlfarsson, "Exploring Transformer-Based Direction-of-Arrival Estimation Over Sea Surface: A BERT Approach With Physics-Based Loss Function," in *IEEE Transactions on Geoscience and Remote Sensing*, vol. 62, pp. 1-13, 2024, Art no. 2006013, doi: 10.1109/TGRS.2024.3440224.

- (9) 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.
- (10) A. Farshian, M. Götz, G. Cavallaro, C. Debus, M. Nießner, J. A. Benediktsson, and A. Streit, "Deep-Learning-Based 3-D Surface Reconstruction—A Survey," *Proceedings of the IEEE*, vol. 111, no. 11, pp. 1464-1501, Nov. 2023, doi: 10.1109/JPROC.2023.3321433.
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