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Research Areas

Engineering and Technology

Published journal articles indexed by SCI, SSCI, and AHCI

I. Assessing generalisability of deep learning-based polyp detection and segmentation methods through a computer vision challenge

Ali S., Ghatwary N., Jha D., İŞIK POLAT E., Polat G., Yang C., Li W., Galdran A., Ballester M. G., Thambawita V., et al. Scientific Reports, vol.14, no.1, 2024 (SCI-Expanded)

II. ARFED: Attack-Resistant Federated averaging based on outlier elimination

İŞIK POLAT E., Polat G., KOÇYİĞİT A.

Future Generation Computer Systems, vol.141, pp.626-650, 2023 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Evaluation and Analysis of Different Aggregation and Hyperparameter Selection Methods for Federated Brain Tumor Segmentation

İŞIK POLAT E., POLAT G., KOÇYİĞİT A., TEMİZEL A.

Brain Lesion 2021 MICCAI Workshop, Strasbourg, France, 27 September 2021

II. Polyp Detection in Colonoscopy Images using Deep Learning and Bootstrap Aggregation

İŞIK POLAT E., POLAT G., KAYABAY K., TEMİZEL A.

Endoscopy Detection and Segmentation Workshop (EndoCV2021), IEEE International Symposium on Biomedical Imaging (ISBI), Nice, France, 13 April 2021

Metrics

Publication: 4

Citation (Scopus): 9

H-Index (Scopus): 2

Awards

Polat G., Işık Polat E., Kayabay K., Temizel A., Endoscopy Computer Vision Challenge Polyp Detection Task, Ieee International Symposium On Biomedical Imaging (Isbi2021), April 2021