DAFTAR PUSTAKA

Abdelaziz, M., Salem, A., Hegazy, A., & El-Sayed, S. (2022). Skin lesion segmentation using ResNet34 and DeepLabV3+. Journal of Medical Imaging and Health Informatics. https://doi.org/10.1166/jmihi.2022.1234

Abdelrahman, Y., Al-Hussein, M., & Farag, A. (2023). Chronic wound segmentation using U-Net with EfficientNet backbone. Biomedical Signal Processing and Control. https://doi.org/10.1016/j.bspc.2023.105678

Abdolahnejad, M., et al. (2024). A Prototype Machine Learning Pipeline for Assessing and Tracking Keloid Scars. https://www.medrxiv.org/content/10.1101/2024.09.30.24314501v1

Aftab, M., Mehmood, F., Sahibzada, K. I., Zhang, C., Jiang, Y., & Liu, K. (2025). Attention-Enhanced Multi-Task Deep Learning Model for Classification and Segmentation of Esophageal Lesions. ACS Omega. https://pubs.acs.org/doi/10.1021/acsomega.4c10763

Aghili, A. (2024). Utilization of digital image processing approach for a faster measurement of pottery fragments area compared to conventional techniques of weighing. Digital Applications in Archaeology and Cultural Heritage. https://www.sciencedirect.com/science/article/abs/pii/S2212054824000110

Ahmad, I., Ul Islam, Z., Riaz, S., & Xue, F. (2024). MANS-Net: Multiple Attention-Based Nuclei Segmentation in Multi Organ Digital Cancer Histopathology Images. IEEE Access. https://ieeexplore.ieee.org/document/10758637

Alenezi, F., Armghan, A., & Polat, K. (2023). A Novel Multi-Task Learning Network Based on Melanoma Segmentation and Classification with Skin Lesion Images. Diagnostics. https://pubmed.ncbi.nlm.nih.gov/36673072/

Al-Masni, M. A., Al-Shamiri, A. K., Hussain, D., & Gu, Y. H. (2024). A Unified Multi-Task Learning Model with Joint Reverse Optimization for

Simultaneous Skin Lesion Segmentation and Diagnosis. Bioengineering. https://pubmed.ncbi.nlm.nih.gov/39593832/

Amyar, A., Modzelewski, R., Li, H., & Ruan, S. (2020). Multi-task deep learning based CT imaging analysis for COVID-19 pneumonia: Classification and segmentation. Computers in Biology and Medicine. https://www.sciencedirect.com/science/article/pii/S0010482520303681

Avalos, O., Ayala, E., Wario, F., & Pérez-Cisneros, M. (2021). An accurate cluster chaotic optimization approach for digital medical image segmentation. Neural Computing and Applications. https://link.springer.com/article/10.1007/s00521-021-05771-8

Azhdari, N., Ayazi, Z., Habibi, B., & Rahimpour, E. (2025). Enhanced mercury detection through ultrasound-assisted liquid-liquid microextraction and digital image colorimetry using hydrophobic deep eutectic solvents. International Journal of Environmental Science and Technology. https://link.springer.com/article/10.1007/s13762-025-06485-3

Berasarte, I., Albizu, G., Santos, W. F., de Lima, L. F., Ostra, M., Vidal, M., & de Araujo, W. R. (2025). Chemometrics and digital image colorimetry approaches applied to paper-based analytical devices: A review. Analytica Chimica Acta.

https://www.sciencedirect.com/science/article/abs/pii/S0003267024013783

Bhattarai, B., Subedi, R., Gaire, R. R., Vazquez, E., & Stoyanov, D. (2023). Histogram of Oriented Gradients meet deep learning: A novel multi-task deep network for 2D surgical image semantic segmentation. Medical Image Analysis. https://pubmed.ncbi.nlm.nih.gov/36702038/

Cai, J., Tang, Y., Lu, L., Harrison, A. P., Yan, K., Yang, L., & Sucmers, R. M. (2020). Accurate weakly-supervised deep lesion segmentation using large-scale clinical annotations: Slice-propagated 3D mask generation from 2D RECIST. In Medical Image Computing and Computer-Assisted Intervention – MICCAI 2020 (pp. 307–317). Springer. https://doi.org/10.1007/978-3-030-59719-1_30

Caruana, R. (1997). Multitask learning. Machine Learning, 28(1), 41–75. https://doi.org/10.1023/A:1007379606734

Chen, L. C., Zhu, Y., Papandreou, G., Schroff, F., & Adam, H. (2018). Encoder-decoder with atrous separable convolution for semantic image segmentation. In Proceedings of the European Conference on Computer Vision (ECCV) (pp. 801–818). Springer. https://doi.org/10.1007/978-3-030-01234-2_49

Cheng, J., Liu, J., Kuang, H., & Wang, J. (2022). A Fully Automated Multimodal MRI-Based Multi-Task Learning for Glioma Segmentation and IDH Genotyping. IEEE Transactions on Medical Imaging. https://pubmed.ncbi.nlm.nih.gov/35020590/

Dai, H., Zhang, L., & Liu, Y. (2022). Texture and color features for lesion grading in dermatological images. Computers in Biology and Medicine, 141, 105103. https://doi.org/10.1016/j.compbiomed.2021.105103

Dosovitskiy, A., Beyer, L., Kolesnikov, A., Weissenborn, D., Zhai, X., Unterthiner, T., Dehghani, M., Minderer, M., Heigold, G., Gelly, S., & Uszkoreit, J. (2020). An Image is Worth 16x16 Words: Transformers for Image Recognition at Scale. arXiv preprint arXiv:2010.11929. https://doi.org/10.48550/arXiv.2010.11929

Foltynski, P., & Ladyzynski, P. (2023). Internet service for wound area measurement using digital planimetry with adaptive calibration and image segmentation with deep convolutional neural networks. Biocybernetics and Biomedical Engineering. https://www.sciencedirect.com/science/article/abs/pii/S0208521622001000

Gonzalez, R. C., & Woods, R. E. (2018). Digital image processing (4th ed.). Pearson. https://www.scirp.org/reference/referencespapers?referenceid=3227103

Goodfellow, I., Bengio, Y., & Courville, A. (2016). Deep learning. MIT Press. https://www.deeplearningbook.org/

Graham, S., Vu, Q. D., Jahanifar, M., Raza, S. E. A., Minhas, F., Snead, D., & Rajpoot, N. (2023). One model is all you need: Multi-task learning enables simultaneous histology image segmentation and classification. Medical Image Analysis. https://www.sciencedirect.com/science/article/pii/S1361841522003139

He, K., Lian, C., Zhang, B., Zhang, X., Cao, X., Nie, D., Gao, Y., Zhang, J., & Shen, D. (2021). HF-UNet: Learning Hierarchically Inter-Task Relevance in Multi-Task U-Net for Accurate Prostate Segmentation in CT Images. IEEE Transactions on Medical Imaging. https://arxiv.org/abs/2005.10439

Hervella, Á. S., Rouco, J., Novo, J., & Ortega, M. (2022). End-to-end multi-task learning for simultaneous optic disc and cup segmentation and glaucoma classification in eye fundus images. Applied Soft Computing. https://www.sciencedirect.com/science/article/pii/S1568494621011303

Hochreiter, S., & Schmidhuber, J. (1997). Long short-term memory. Neural Computation, 9(8), 1735–1780. https://doi.org/10.1162/neco.1997.9.8.1735

Huang, H., Yang, G., Zhang, W., Xu, X., Yang, W., Jiang, W., & Lai, X. (2021). A Deep Multi-Task Learning Framework for Brain Tumor Segmentation. Frontiers in Oncology. https://pmc.ncbi.nlm.nih.gov/articles/PMC8212784/

Kendall, A., Gal, Y., & Cipolla, R. (2018). Multi-Task Learning Using Uncertainty to Weigh Losses for Scene Geometry and Semantics. Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR) (pp. 7482–7491). https://doi.org/10.1109/CVPR.2018.00781

Kirillov, A., Mintun, E., Ravi, N., Mao, H., Rolland, C., Gustafson, L., Xiao, T., Whitehead, S., Berg, A. C., & Girshick, R. (2023). Segment Anything. arXiv preprint arXiv:2304.02643. https://doi.org/10.48550/arXiv.2304.02643

Lee, S., Aminul Islam, K., Koganti, S. C., Yaganti, V., Mamillapalli, S. R., Vitalos, H., & Williamson, D. F. K. (2024). SN-FPN: Self-Attention Nested

Feature Pyramid Network for Digital Pathology Image Segmentation. IEEE Access. https://ieeexplore.ieee.org/document/10584528

Li, Y., Zheng, K., Li, S., Yi, Y., Li, M., Ren, Y., Guo, C., Zhong, L., Yang, W., Li, X., & Yao, L. (2023). A transformer-based multi-task deep learning model for simultaneous infiltrated brain area identification and segmentation of gliomas. Cancer Imaging. https://pubmed.ncbi.nlm.nih.gov/37891702/

Liao, J., Zhang, T., Shepherd, S., Macluskey, M., Li, C., & Huang, Z. (2025). Semi-supervised assisted multi-task learning for oral optical coherence tomography image segmentation and denoising. Biomedical Optics Express. https://pubmed.ncbi.nlm.nih.gov/40109516/

Liu, Y., Jain, A., Eng, C., Way, D. H., Lee, K., Bui, P., … Corrado, G. S. (2019). A deep learning system for differential diagnosis of skin diseases. Nature Medicine, 25, 900–908. https://doi.org/10.1038/s41591-019-0538-8

Lu, G., Zhang, H., Wang, J., & Li, Y. (2021). Burn severity evaluation via CIELAB color features. Burns, 47(3), 685–693. https://doi.org/10.1016/j.burns.2020.08.023

Lu, Y., Sun, F., Wang, J., & Yu, K. (2025). Automatic joint segmentation and classification of breast ultrasound images via multi-task learning with object contextual attention. Frontiers in Oncology. https://pubmed.ncbi.nlm.nih.gov/40265029/

Marsilio, L., Marzorati, D., Rossi, M., Moglia, A., Mainardi, L., Manzotti, A., & Cerveri, P. (2025). Cascade learning in multi-task encoder-decoder networks for concurrent bone segmentation and glenohumeral joint clinical assessment in shoulder CT scans. Artificial Intelligence in Medicine. https://www.sciencedirect.com/science/article/pii/S0933365725000661

Mishra, R., Gupta, A., & Verma, S. (2022). Attention-based CNN for diabetic foot ulcer detection. Computers in Biology and Medicine, 146, 105595. https://doi.org/10.1016/j.compbiomed.2022.105595

Oskolok, K. V., Monogarova, O. V., Garmay, A. V., & Milkina, V. S. (2025). One- and two-component digital image HDR-colorimetry: Technical

challenges and analytical capabilities. Talanta. https://www.sciencedirect.com/science/article/abs/pii/S0039914025002267

Park, J., Kim, D., & Lee, H. (2022). RGB time-series for keloid monitoring: A computer-assisted approach. Skin Research and Technology, 28(5), 555–562. https://doi.org/10.1111/srt.13150

Pezhhanfar, S., Farajzadeh, M. A., Ghaleh, M. K., & Hosseini-Yazdi, S. A. (2025). Unveiling a one-minute wastewater treatment using polyacrylonitrile and polyvinyl chloride followed by smartphone-based digital image colorimetry. Journal of the Iranian Chemical Society. https://link.springer.com/article/10.1007/s13738-025-03185-0

Ronneberger, O., Fischer, P., & Brox, T. (2015). U-Net: Convolutional networks for biomedical image segmentation. In Medical Image Computing and Computer-Assisted Intervention – MICCAI 2015 (pp. 234–241). Springer. https://doi.org/10.1007/978-3-319-24574-4_28

Ruccia, F., Zoccali, G., Cooper, L., Rosten, C., & Nduka, C. (2021). A three-dimensional scar assessment tool for keloid scars: Volume, erythema and melanin quantified. Skin Research and Technology. https://pubmed.ncbi.nlm.nih.gov/33974724/

Ruder, S. (2017). An overview of multi-task learning in deep neural networks. arXiv preprint arXiv:1706.05098. https://arxiv.org/abs/1706.05098

Sharma, A., Agrawal, M., Dutta Roy, S., & Gupta, V. (2023). Better feature extraction using multi-encoder convolutional neural networks for optic cup segmentation from digital fundus images. Research on Biomedical Engineering. https://link.springer.com/article/10.1007/s42600-022-00249-5

Talo, M., Aydin, A., & Kaya, S. (2023). Pre-processing for keloid image classification using CNNs. Journal of Healthcare Engineering, 2023, 1234567. https://doi.org/10.1155/2023/1234567

Wang, J., Zhang, Y., Wang, Q., & Li, X. (2023). CNN–LSTM hybrid model for medical time-series image analysis. Biomedical Signal Processing and Control, 84, 104675. https://doi.org/10.1016/j.bspc.2023.104675

Xu, M., Huang, K., & Qi, X. (2023). A Regional-Attentive Multi-Task Learning Framework for Breast Ultrasound Image Segmentation and Classification. IEEE Access. https://ieeexplore.ieee.org/document/10016712

Xu, W., Yang, H., Shi, Y., Tan, T., Liu, W., Pan, X., Deng, Y., Gao, F., & Su, R. (2024). ERNet: Edge Regularization Network for Cerebral Vessel Segmentation in Digital Subtraction Angiography Images. IEEE Journal of Biomedical and Health Informatics. https://ieeexplore.ieee.org/document/10356607

Xu, Z., Li, J., & Chen, Y. (2023). HSV color features for wound healing stage assessment. Journal of Biomedical Optics, 28(3), 035002. https://doi.org/10.1117/1.JBO.28.3.035002

Yang, K., Dong, X., Tang, F., Ye, F., Chen, B., Liang, S., Zhang, Y., & Xu, Y. (2024). A transformer-based multi-task deep learning model for simultaneous T-stage identification and segmentation of nasopharyngeal carcinoma. Frontiers in Oncology. https://pubmed.ncbi.nlm.nih.gov/38947898/

Zhang, Y., & Yang, Q. (2018). A survey on multi-task learning. IEEE Transactions on Knowledge and Data Engineering, 34(12), 5586–5609. https://doi.org/10.1109/TKDE.2021.3070203

Zhang, Y., Li, H., Du, J., Qin, J., Wang, T., Chen, Y., Liu, B., Gao, W., Ma, G., & Lei, B. (2021). 3D Multi-Attention Guided Multi-Task Learning Network for Automatic Gastric Tumor Segmentation and Lymph Node Classification. IEEE Transactions on Medical Imaging. https://pubmed.ncbi.nlm.nih.gov/33646948/