1 Publications

1.1 Publication Profile

Google Scholar		Outputs by type	
Publications	152	Journal articles	60
Citations	20,826	Conference papers	66
h-index	45	Edited volumes and editorials	9
i10-index	87	Book chapters	6
		Preprints	16
		Conference abstracts	10
		Granted patent families	2
		Policy briefs and statements (GLOHRA)	6

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1.2 Selected Publications

† *first or senior author;* ⋆ *first author is a doctoral or postdoctoral researcher I supervised.*

1. **The Future of Digital Health with Federated Learning.** Rieke N., et al., **Albarqouni S.**, et al. *npj Digital Medicine*, 2020. DOI: 10.1038/s41746-020-00323-1.
2. **FUTURE-AI: International consensus guideline for trustworthy and deployable artificial intelligence in healthcare.** Lekadir K., et al., **Albarqouni S.**, et al. *The BMJ*, 2025. DOI: 10.1136/bmj-2024-081554. *Q1 journal.*
3. **AggNet: deep learning from crowds for mitosis detection in breast cancer histology images. Albarqouni S.**†, et al. *IEEE Transactions on Medical Imaging*, 2016. DOI: 10.1109/tmi.2016.2528120. *Q1 journal.*
4. **FLamby: Datasets and benchmarks for cross-silo federated learning in realistic healthcare settings.** Ogier du Terrail J., et al., **Albarqouni S.**, et al. *Advances in Neural Information Processing Systems (NeurIPS)*, 2022. DOI: 10.52202/068431-0384. *CORE A*.*
5. **LVM-Med: Learning large-scale self-supervised vision models for medical imaging via second-order graph matching.** Nguyen D.M.H., et al., **Albarqouni S.**, et al. *Advances in Neural Information Processing Systems (NeurIPS)*, 2023. DOI: 10.52202/075280-1212. *CORE A*.*
6. **Autoencoders for Unsupervised Anomaly Segmentation in Brain MR Images: A Comparative Study.** Baur C., et al., **Albarqouni S.**†⋆. *Medical Image Analysis*, 2021. DOI: 10.1016/j.media.2020.101952. *Q1 journal.*
7. **Fairness by Learning Orthogonal Disentangled Representations.** Sarhan H., Navab N., Eslami A., **Albarqouni S.**†⋆. *European Conference on Computer Vision (ECCV)*, 2020. DOI: 10.1007/978-3-030-58526-6_44. *CORE A*.*
8. **Federated disentangled representation learning for unsupervised brain anomaly detection.** Bercea C., Wiestler B., Rueckert D., **Albarqouni S.**†⋆. *Nature Machine Intelligence*, 2022. DOI: 10.1038/s42256-022-00515-2. *Q1 journal.*
9. **When multi-institutional dataset aggregation masks shortcut-like behavior in Foundation Models for medical imaging.** Germani E., Zeineddine F., Mourad C., **Albarqouni S.**†⋆. *Medical Image Analysis*, 2026. DOI: 10.1016/j.media.2026.104258. *Q1 journal.*
10. **Reducing Clinician Annotation Fatigue in Open-Set Federated Learning: A Client-Adaptive Vision-Language Gatekeeper.** Nesturi A., et al., **Albarqouni S.**†⋆. *Journal of the American College of Radiology*, 2026. DOI: 10.1016/j.jacr.2026.09.023. *Q1 journal.*
11. **K-MaT: Knowledge-Anchored Manifold Transport for Cross-Modal Prompt Learning in Medical Imaging.** Zeng J., **Albarqouni S.**†⋆. *Medical Image Computing and Computer-Assisted Intervention (MICCAI)*, 2026. DOI: 10.1007/978-3-032-38062-3_28. *CORE A.*

1.3 Patents

1. **Determining a pose of an object in the surroundings of the object by means of multi-task learning. Albarqouni S.**, Bui L.M., Ilic S., Zakharov S. EP 3511904 B1 (2020); US 11,244,475 B2 (2022). Assignee: Siemens AG. https://patents.google.com/patent/US11244475B2/en
2. **Ascertaining the pose of an x-ray unit relative to an object on the basis of a digital model of the object. Albarqouni S.**, Bui L.M., Schrapp M., Ilic S. US 11,662,320 B2 (2023); JP 7065869 B2. Assignee: Siemens AG. https://patents.google.com/patent/US11662320B2/en