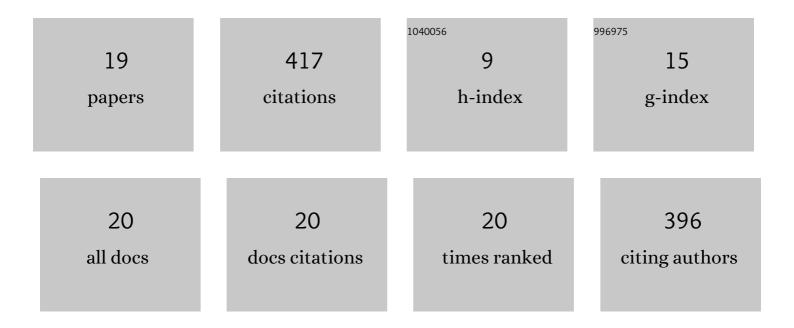
Janek Gröhl

List of Publications by Year in descending order

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Ιλνιέκ Οράψηι

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Deep learning for biomedical photoacoustic imaging: A review. Photoacoustics, 2021, 22, 100241. | 7.8 | 126 |
| 2 | Context encoding enables machine learning-based quantitative photoacoustics. Journal of Biomedical Optics, 2018, 23, 1. | 2.6 | 40 |
| 3 | Heidelberg colorectal data set for surgical data science in the sensor operating room. Scientific Data, 2021, 8, 101. | 5.3 | 37 |
| 4 | Learned spectral decoloring enables photoacoustic oximetry. Scientific Reports, 2021, 11, 6565. | 3.3 | 34 |
| 5 | Signed Real-Time Delay Multiply and Sum Beamforming for Multispectral Photoacoustic Imaging. Journal of Imaging, 2018, 4, 121. | 3.0 | 33 |
| 6 | Confidence Estimation for Machine Learning-Based Quantitative Photoacoustics. Journal of Imaging, 2018, 4, 147. | 3.0 | 24 |
| 7 | Uncertainty-aware performance assessment of optical imaging modalities with invertible neural networks. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 997-1007. | 2.8 | 22 |
| 8 | Reconstruction of initial pressure from limited view photoacoustic images using deep learning. , 2018, , . | | 21 |
| 9 | Semantic segmentation of multispectral photoacoustic images using deep learning. Photoacoustics, 2022, 26, 100341. | 7.8 | 15 |
| 10 | Quantification of vascular networks in photoacoustic mesoscopy. Photoacoustics, 2022, 26, 100357. | 7.8 | 13 |
| 11 | Photoacoustics can image spreading depolarization deep in gyrencephalic brain. Scientific Reports, 2019, 9, 8661. | 3.3 | 11 |
| 12 | MITK-OpenIGTLink for combining open-source toolkits in real-time computer-assisted interventions. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 351-361. | 2.8 | 10 |
| 13 | SIMPA: an open-source toolkit for simulation and image processing for photonics and acoustics. Journal of Biomedical Optics, 2022, 27, . | 2.6 | 9 |
| 14 | The IPASC data format: A consensus data format for photoacoustic imaging. Photoacoustics, 2022, 26, 100339. | 7.8 | 6 |
| 15 | Tattoo tomography: Freehand 3D photoacoustic image reconstruction with an optical pattern. International Journal of Computer Assisted Radiology and Surgery, 2021, 16, 1101-1110. | 2.8 | 5 |
| 16 | Live Monitoring of Haemodynamic Changes with Multispectral ImageÂAnalysis. Lecture Notes in Computer Science, 2019, , 38-46. | 1.3 | 5 |
| 17 | Photoacoustic monitoring of blood oxygenation during neurosurgical interventions. , 2019, , . | | 5 |
| | | | |

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Invertible Neural Networks for Uncertainty Quantification in Photoacoustic Imaging. Informatik Aktuell, 2021, , 330-335. | 0.6 | 0 |