

# Janek GrÄhl

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4948728/publications.pdf>

Version: 2024-02-01

19  
papers

417  
citations

1040056

9  
h-index

996975

15  
g-index

20  
all docs

20  
docs citations

20  
times ranked

396  
citing authors

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

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