

Janek GrÄhl

List of Publications by Year in descending order

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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	SIMPA: an open-source toolkit for simulation and image processing for photonics and acoustics. Journal of Biomedical Optics, 2022, 27, .	2.6	9
2	The IPASC data format: A consensus data format for photoacoustic imaging. Photoacoustics, 2022, 26, 100339.	7.8	6
3	Semantic segmentation of multispectral photoacoustic images using deep learning. Photoacoustics, 2022, 26, 100341.	7.8	15
4	Quantification of vascular networks in photoacoustic mesoscopy. Photoacoustics, 2022, 26, 100357.	7.8	13
5	Invertible Neural Networks for Uncertainty Quantification in Photoacoustic Imaging. Informatik Aktuell, 2021, , 330-335.	0.6	0
6	Learned spectral decoloring enables photoacoustic oximetry. Scientific Reports, 2021, 11, 6565.	3.3	34
7	Heidelberg colorectal data set for surgical data science in the sensor operating room. Scientific Data, 2021, 8, 101.	5.3	37
8	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
9	Deep learning for biomedical photoacoustic imaging: A review. Photoacoustics, 2021, 22, 100241.	7.8	126
10	Photoacoustics can image spreading depolarization deep in gyrencephalic brain. Scientific Reports, 2019, 9, 8661.	3.3	11
11	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
12	Live Monitoring of Haemodynamic Changes with Multispectral Image Analysis. Lecture Notes in Computer Science, 2019, , 38-46.	1.3	5
13	Photoacoustic monitoring of blood oxygenation during neurosurgical interventions. , 2019, , .		5
14	Signed Real-Time Delay Multiply and Sum Beamforming for Multispectral Photoacoustic Imaging. Journal of Imaging, 2018, 4, 121.	3.0	33
15	Confidence Estimation for Machine Learning-Based Quantitative Photoacoustics. Journal of Imaging, 2018, 4, 147.	3.0	24
16	Context encoding enables machine learning-based quantitative photoacoustics. Journal of Biomedical Optics, 2018, 23, 1.	2.6	40
17	Reconstruction of initial pressure from limited view photoacoustic images using deep learning. , 2018, , .		21
18	Confidence estimation for quantitative photoacoustic imaging. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
19	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