

# Stefan Morscher

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5531553/publications.pdf>

Version: 2024-02-01

15  
papers

1,158  
citations

687363

13  
h-index

996975

15  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metastatic status of sentinel lymph nodes in melanoma determined noninvasively with multispectral optoacoustic imaging. <i>Science Translational Medicine</i> , 2015, 7, 317ra199.	12.4	239
2	Unmixing Molecular Agents From Absorbing Tissue in Multispectral Optoacoustic Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2014, 33, 48-60.	8.9	128
3	Fast Multispectral Optoacoustic Tomography (MSOT) for Dynamic Imaging of Pharmacokinetics and Biodistribution in Multiple Organs. <i>PLoS ONE</i> , 2012, 7, e30491.	2.5	124
4	Multispectral Opto-acoustic Tomography (MSOT) of the Brain and Glioblastoma Characterization. <i>NeuroImage</i> , 2013, 65, 522-528.	4.2	123
5	Vaccinia virus-mediated melanin production allows MR and optoacoustic deep tissue imaging and laser-induced thermotherapy of cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3316-3320.	7.1	109
6	Deep-Tissue Reporter-Gene Imaging with Fluorescence and Optoacoustic Tomography: A Performance Overview. <i>Molecular Imaging and Biology</i> , 2014, 16, 652-660.	2.6	87
7	Towards Quantitative Evaluation of Tissue Absorption Coefficients Using Light Fluence Correction in Optoacoustic Tomography. <i>IEEE Transactions on Medical Imaging</i> , 2017, 36, 322-331.	8.9	73
8	Hybrid optoacoustic tomography and pulse-echo ultrasonography using concave arrays. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2015, 62, 1651-1661.	3.0	64
9	Semi-quantitative Multispectral Optoacoustic Tomography (MSOT) for volumetric PK imaging of gastric emptying. <i>Photoacoustics</i> , 2014, 2, 103-110.	7.8	63
10	Multispectral Optoacoustic Tomography in Crohn's Disease: Noninvasive Imaging of Disease Activity. <i>Gastroenterology</i> , 2016, 151, 238-240.	1.3	61
11	Deep Learning for Automatic Segmentation of Hybrid Optoacoustic Ultrasound (OPUS) Images. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 688-696.	3.0	32
12	Assessment of hessian-based Frangi vesselness filter in optoacoustic imaging. <i>Photoacoustics</i> , 2020, 20, 100200.	7.8	22
13	A light-fluence-independent method for the quantitative analysis of dynamic contrast-enhanced multispectral optoacoustic tomography (DCE MSOT). <i>Photoacoustics</i> , 2018, 10, 54-64.	7.8	21
14	Advances in Optoacoustic Imaging: From Benchside to Clinic. <i>Progress in Optical Science and Photonics</i> , 2016, , 75-109.	0.5	6
15	The IPASC data format: A consensus data format for photoacoustic imaging. <i>Photoacoustics</i> , 2022, 26, 100339.	7.8	6