Johanna Gesperger

List of Publications by Year
in descending order

21 papers	268 citations	1040056 9 h-index	996975 15 g-index
21 all docs	21 docs citations	21 times ranked	352 citing authors

#	Article	IF	Citations
1	Improved Protoporphyrin IX-Guided Neurosurgical Tumor Detection with Frequency-Domain Fluorescence Lifetime Imaging. Applied Sciences (Switzerland), 2022, 12, 1002.	2.5	1
2	Improved accuracy of quantitative birefringence imaging by polarization sensitive <scp>OCT</scp> with simple noise correction and its application to neuroimaging. Journal of Biophotonics, 2021, 14, e202000323.	2.3	8
3	Evaluation of the Temporal Muscle Thickness as an Independent Prognostic Biomarker in Patients with Primary Central Nervous System Lymphoma. Cancers, 2021, 13, 566.	3.7	21
4	High-resolution, depth-resolved vascular leakage measurements using contrast-enhanced, correlation-gated optical coherence tomography in mice. Biomedical Optics Express, 2021, 12, 1774.	2.9	4
5	Reconstruction of visible light optical coherence tomography images retrieved from discontinuous spectral data using a conditional generative adversarial network. Biomedical Optics Express, 2021, 12, 6780.	2.9	10
6	Fluorescence Lifetime Imaging and Spectroscopic Co-Validation for Protoporphyrin IX-Guided Tumor Visualization in Neurosurgery. Frontiers in Oncology, 2021, 11, 741303.	2.8	12
7	Investigation of the scattering and attenuation properties of cataracts formed in mouse eyes with 1060-nm and 1310-nm swept-source optical coherence tomography. Biomedical Optics Express, 2021, 12, 6391.	2.9	1
8	Macroscopic fluorescence-lifetime imaging of NADH and protoporphyrin IX improves the detection and grading of 5-aminolevulinic acid-stained brain tumors. Scientific Reports, 2020, 10, 20492.	3.3	24
9	Sex-Specific Differences in Primary CNS Lymphoma. Cancers, 2020, 12, 1593.	3.7	3
10	Improved Diagnostic Imaging of Brain Tumors by Multimodal Microscopy and Deep Learning. Cancers, 2020, 12, 1806.	3.7	13
11	Surgical microscope with integrated fluorescence lifetime imaging for 5-aminolevulinic acid fluorescence-guided neurosurgery. Journal of Biomedical Optics, 2020, 25, 1.	2.6	10
12	Retinal analysis of a mouse model of Alzheimer's disease with multicontrast optical coherence tomography. Neurophotonics, 2020, 7, 1.	3.3	22
13	Towards real-time wide-field fluorescence lifetime imaging of 5-ALA labeled brain tumors with multi-tap CMOS cameras. Biomedical Optics Express, 2020, 11, 1598.	2.9	11
14	Three-dimensional visualization of opacifications in the murine crystalline lens by in vivo optical coherence tomography. Biomedical Optics Express, 2020, 11, 2085.	2.9	6
15	Ex-vivo Alzheimer's disease brain tissue investigation: a multiscale approach using 1060-nm swept source optical coherence tomography for a direct correlation to histology. Neurophotonics, 2020, 7, 035004.	3.3	1
16	Comparison of Intensity- and Polarization-based Contrast in Amyloid-beta Plaques as Observed by Optical Coherence Tomography. Applied Sciences (Switzerland), 2019, 9, 2100.	2.5	4
17	Widefield fluorescence lifetime imaging of protoporphyrin IX for fluorescence-guided neurosurgery: An ex vivo feasibility study. Journal of Biophotonics, 2019, 12, e201800378.	2.3	28
18	RARE-49. SEX-SPECIFIC SURVIVAL ANALYSIS IDENTIFIES DIFFERENTIAL CLUSTERS OF PROGNOSTIC RELEVANCE IN PATIENTS WITH PRIMARY CNS LYMPHOMA. Neuro-Oncology, 2019, 21, vi232-vi232.	1.2	0

#	ARTICLE	IF	CITATIONS
19	Revealing brain pathologies with multimodal visible light optical coherence microscopy and fluorescence imaging. Journal of Biomedical Optics, 2019, 24, 1.	2.6	16
20	Visual and semiquantitative 11C-methionine PET: an independent prognostic factor for survival of newly diagnosed and treatment-naïve gliomas. Neuro-Oncology, 2018, 20, 411-419.	1.2	22
21	Spectroscopic imaging with spectral domain visible light optical coherence microscopy in Alzheimer's disease brain samples. Biomedical Optics Express, 2017, 8, 4007.	2.9	51