

Ortrud Uckermann

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

588
citations

623734

14
h-index

642732

23
g-index

30
all docs

30
docs citations

30
times ranked

1030
citing authors

#	ARTICLE	IF	CITATIONS
1	Label-Free Delineation of Brain Tumors by Coherent Anti-Stokes Raman Scattering Microscopy in an Orthotopic Mouse Model and Human Glioblastoma. PLoS ONE, 2014, 9, e107115.	2.5	77
2	Intrinsic Indicator of Photodamage during Label-Free Multiphoton Microscopy of Cells and Tissues. PLoS ONE, 2014, 9, e110295.	2.5	69
3	In ovo sexing of chicken eggs by fluorescence spectroscopy. Analytical and Bioanalytical Chemistry, 2017, 409, 1185-1194.	3.7	47
4	Shotgun lipidomics-based characterization of the landscape of lipid metabolism in colorectal cancer. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158579.	2.4	39
5	IDH1 mutation in human glioma induces chemical alterations that are amenable to optical Raman spectroscopy. Journal of Neuro-Oncology, 2018, 139, 261-268.	2.9	35
6	Effects of tissue fixation on coherent anti-Stokes Raman scattering images of brain. Journal of Biomedical Optics, 2013, 19, 071402.	2.6	33
7	Non-functionalized soft alginate hydrogel promotes locomotor recovery after spinal cord injury in a rat hemimyelonectomy model. Acta Neurochirurgica, 2018, 160, 449-457.	1.7	29
8	Rapid Label-Free Analysis of Brain Tumor Biopsies by Near Infrared Raman and Fluorescence Spectroscopy—A Study of 209 Patients. Frontiers in Oncology, 2019, 9, 1165.	2.8	29
9	Assessing the efficacy of coherent anti-Stokes Raman scattering microscopy for the detection of infiltrating glioblastoma in fresh brain samples. Journal of Biophotonics, 2017, 10, 404-414.	2.3	28
10	Optical Analysis of Glioma: Fourier-Transform Infrared Spectroscopy Reveals the <i>IDH1</i> Mutation Status. Clinical Cancer Research, 2018, 24, 2530-2538.	7.0	27
11	Chip-on-the-tip compact flexible endoscopic epifluorescence video-microscope for in-vivo imaging in medicine and biomedical research. Biomedical Optics Express, 2017, 8, 3329.	2.9	21
12	Biochemical Monitoring of Spinal Cord Injury by FT-IR Spectroscopy—Effects of Therapeutic Alginate Implant in Rat Models. PLoS ONE, 2015, 10, e0142660.	2.5	20
13	Label-free multiphoton microscopy reveals relevant tissue changes induced by alginate hydrogel implantation in rat spinal cord injury. Scientific Reports, 2018, 8, 10841.	3.3	19
14	Endogenous Two-Photon Excited Fluorescence Provides Label-Free Visualization of the Inflammatory Response in the Rodent Spinal Cord. BioMed Research International, 2015, 2015, 1-9.	1.9	15
15	Nerve regeneration in the cephalopod mollusc <i>Octopus vulgaris</i> : label-free multiphoton microscopy as a tool for investigation. Journal of the Royal Society Interface, 2018, 15, 20170889.	3.4	13
16	Label-free multiphoton microscopy reveals altered tissue architecture in hippocampal sclerosis. Epilepsia, 2017, 58, e1-e5.	5.1	12
17	Label-free multiphoton imaging allows brain tumor recognition based on texture analysis—a study of 382 tumor patients. Neuro-Oncology Advances, 2020, 2, vdaa035.	0.7	11
18	Identification of distinctive features in human intracranial tumors by label-free nonlinear multimodal microscopy. Journal of Biophotonics, 2019, 12, e201800465.	2.3	10

#	ARTICLE	IF	CITATIONS
19	Label-free multiphoton microscopy as a tool to investigate alterations of cerebral aneurysms. <i>Scientific Reports</i> , 2020, 10, 12359.	3.3	9
20	Gene-activated fat grafts for the repair of spinal cord injury: a pilot study. <i>Acta Neurochirurgica</i> , 2016, 158, 367-378.	1.7	8
21	Optical molecular imaging of corpora amylacea in human brain tissue. <i>Biomedizinische Technik</i> , 2018, 63, 579-585.	0.8	7
22	Matrix Metalloproteinases 2 and 9 Fail to Influence Drug-Induced Neuroapoptosis in Developing Rat Brain. <i>Neurotoxicity Research</i> , 2011, 19, 638-648.	2.7	5
23	Evaluation of machine learning methods for seizure prediction in epilepsy. <i>Current Directions in Biomedical Engineering</i> , 2019, 5, 109-112.	0.4	5
24	Coherent false seizure prediction in epilepsy, coincidence or providence?. <i>Clinical Neurophysiology</i> , 2022, 133, 157-164.	1.5	5
25	Differential growth inhibition of cerebral metastases by anti-angiogenic compounds. <i>Anticancer Research</i> , 2014, 34, 3293-302.	1.1	4
26	Imaging Arm Regeneration: Label-Free Multiphoton Microscopy to Dissect the Process in <i>Octopus vulgaris</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 814746.	3.7	4
27	Correlation of biomechanics and cancer cell phenotype by combined Brillouin and Raman spectroscopy of U87-MG glioblastoma cells. <i>Journal of the Royal Society Interface</i> , 2022, 19, .	3.4	4
28	Label-free Imaging of Tissue Architecture during Axolotl Peripheral Nerve Regeneration in Comparison to Functional Recovery. <i>Scientific Reports</i> , 2019, 9, 12641.	3.3	3