

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	Coherent false seizure prediction in epilepsy, coincidence or providence?. Clinical Neurophysiology, 2022, 133, 157-164.	1.5	5
2	Imaging Arm Regeneration: Label-Free Multiphoton Microscopy to Dissect the Process in Octopus vulgaris. Frontiers in Cell and Developmental Biology, 2022, 10, 814746.	3.7	4
3	Correlation of biomechanics and cancer cell phenotype by combined Brillouin and Raman spectroscopy of U87-MG glioblastoma cells. Journal of the Royal Society Interface, 2022, 19, .	3.4	4
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	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
6	Label-free multiphoton microscopy as a tool to investigate alterations of cerebral aneurysms. Scientific Reports, 2020, 10, 12359.	3.3	9
7	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
8	Evaluation of machine learning methods for seizure prediction in epilepsy. Current Directions in Biomedical Engineering, 2019, 5, 109-112.	0.4	5
9	Label-free Imaging of Tissue Architecture during Axolotl Peripheral Nerve Regeneration in Comparison to Functional Recovery. Scientific Reports, 2019, 9, 12641.	3.3	3
10	Identification of distinctive features in human intracranial tumors by label-free nonlinear multimodal microscopy. Journal of Biophotonics, 2019, 12, e201800465.	2.3	10
11	Optical molecular imaging of corpora amylacea in human brain tissue. Biomedizinische Technik, 2018, 63, 579-585.	0.8	7
12	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
13	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
14	Non-functionalized soft alginate hydrogel promotes locomotor recovery after spinal cord injury in a rat hemimyelotomy model. Acta Neurochirurgica, 2018, 160, 449-457.	1.7	29
15	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
16	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
17	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
18	Label-free multiphoton microscopy reveals altered tissue architecture in hippocampal sclerosis. Epilepsia, 2017, 58, e1-e5.	5.1	12

#	ARTICLE	IF	CITATIONS
19	In ovo sexing of chicken eggs by fluorescence spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1185-1194.	3.7	47
20	Chip-on-the-tip compact flexible endoscopic epifluorescence video-microscope for in-vivo imaging in medicine and biomedical research. <i>Biomedical Optics Express</i> , 2017, 8, 3329.	2.9	21
21	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
22	Biochemical Monitoring of Spinal Cord Injury by FT-IR Spectroscopy—Effects of Therapeutic Alginate Implant in Rat Models. <i>PLoS ONE</i> , 2015, 10, e0142660.	2.5	20
23	Endogenous Two-Photon Excited Fluorescence Provides Label-Free Visualization of the Inflammatory Response in the Rodent Spinal Cord. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	15
24	Intrinsic Indicator of Photodamage during Label-Free Multiphoton Microscopy of Cells and Tissues. <i>PLoS ONE</i> , 2014, 9, e110295.	2.5	69
25	Label-Free Delineation of Brain Tumors by Coherent Anti-Stokes Raman Scattering Microscopy in an Orthotopic Mouse Model and Human Glioblastoma. <i>PLoS ONE</i> , 2014, 9, e107115.	2.5	77
26	Differential growth inhibition of cerebral metastases by anti-angiogenic compounds. <i>Anticancer Research</i> , 2014, 34, 3293-302.	1.1	4
27	Effects of tissue fixation on coherent anti-Stokes Raman scattering images of brain. <i>Journal of Biomedical Optics</i> , 2013, 19, 071402.	2.6	33
28	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