Andreas Stadlbauer

List of Publications by Year
in descending order

46	1,690	304368 22	288905 40
papers	citations	h-index	g-index

47	47	47	2394
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Association between tissue hypoxia, perfusion restrictions, and microvascular architecture alterations with lesion-induced impairment of neurovascular coupling. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 526-539.	2.4	4
2	Physiological MRI of microvascular architecture, neovascularization activity, and oxygen metabolism facilitate early recurrence detection in patients with IDH-mutant WHO grade 3 glioma. Neuroradiology, 2022, 64, 265-277.	1.1	2
3	Radiophysiomics: Brain Tumors Classification by Machine Learning and Physiological MRI Data. Cancers, 2022, 14, 2363.	1.7	17
4	Tissue Hypoxia and Alterations in Microvascular Architecture Predict Glioblastoma Recurrence in Humans. Clinical Cancer Research, 2021, 27, 1641-1649.	3.2	21
5	Treatment with Cyclic AMP Activators Reduces Glioblastoma Growth and Invasion as Assessed by Two-Photon Microscopy. Cells, 2021, 10, 556.	1.8	3
6	Physiological MRI Biomarkers in the Differentiation Between Glioblastomas and Solitary Brain Metastases. Molecular Imaging and Biology, 2021, 23, 787-795.	1.3	10
7	Hypoxia and Microvascular Alterations Are Early Predictors of IDH-Mutated Anaplastic Glioma Recurrence. Cancers, 2021, 13, 1797.	1.7	2
8	JunB is a key regulator of multiple myeloma bone marrow angiogenesis. Leukemia, 2021, 35, 3509-3525.	3.3	19
9	Metabolic Tumor Microenvironment Characterization of Contrast Enhancing Brain Tumors Using Physiologic MRI. Metabolites, 2021, 11, 668.	1.3	5
10	Physiologic MR imaging of the tumor microenvironment revealed switching of metabolic phenotype upon recurrence of glioblastoma in humans. Journal of Cerebral Blood Flow and Metabolism, 2020, 40, 528-538.	2.4	20
11	Refined Functional Magnetic Resonance Imaging and Magnetoencephalography Mapping Reveals Reorganization in Language-Relevant Areas of Lesioned Brains. World Neurosurgery, 2020, 136, e41-e59.	0.7	7
12	Non-Invasive Assessment of Hypoxia and Neovascularization with MRI for Identification of Aggressive Breast Cancer. Cancers, 2020, 12, 2024.	1.7	9
13	The Diagnostic and Therapeutic Role of Leptin and Its Receptor ObR in Glioblastoma Multiforme. Cancers, 2020, 12, 3691.	1.7	6
14	Comparative fMRI and MEG localization of cortical sensorimotor function: Bimodal mapping supports motor area reorganization in glioma patients. PLoS ONE, 2019, 14, e0213371.	1.1	18
15	Development of a Non-invasive Assessment of Hypoxia and Neovascularization with Magnetic Resonance Imaging in Benign and Malignant Breast Tumors: Initial Results. Molecular Imaging and Biology, 2019, 21, 758-770.	1.3	23
16	Predicting Glioblastoma Response to Bevacizumab Through MRI Biomarkers of the Tumor Microenvironment. Molecular Imaging and Biology, 2019, 21, 747-757.	1.3	11
17	Vascular architecture mapping for early detection of glioblastoma recurrence. Neurosurgical Focus, 2019, 47, E14.	1.0	16
18	Advanced MRI in neuro-oncology: can we proceed without inclusion of energy metabolism?. Oncotarget, 2019, 10, 3994-3995.	0.8	0

#	Article	IF	Citations
19	Intratumoral heterogeneity of oxygen metabolism and neovascularization uncovers 2 survival-relevant subgroups of IDH1 wild-type glioblastoma. Neuro-Oncology, 2018, 20, 1536-1546.	0.6	39
20	Visualization of CSF Flow with Time-resolved 3D MR Velocity Mapping in Aqueductal Stenosis Before and After Endoscopic Third Ventriculostomy. Clinical Neuroradiology, 2018, 28, 69-74.	1.0	9
21	Recurrence of glioblastoma is associated with elevated microvascular transit time heterogeneity and increased hypoxia. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 422-432.	2.4	30
22	Magnetic resonance imaging biomarkers for clinical routine assessment of microvascular architecture in glioma. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 632-643.	2.4	35
23	Individually Stabilized, Superparamagnetic Nanoparticles with Controlled Shell and Size Leading to Exceptional Stealth Properties and High Relaxivities. ACS Applied Materials & Interfaces, 2017, 9, 3343-3353.	4.0	53
24	Intraoperative Magnetic Resonance Imaging of Cerebral Oxygen Metabolism During Resection of Brain Lesions. World Neurosurgery, 2017, 100, 388-394.	0.7	4
25	MR Imagingâ€“derived Oxygen Metabolism and Neovascularization Characterization for Grading and IDH Gene Mutation Detection of Gliomas. Radiology, 2017, 283, 799-809.	3.6	56
26	Vascular Hysteresis Loops and Vascular Architecture Mapping in Patients with Glioblastoma treated with Antiangiogenic Therapy. Scientific Reports, 2017, 7, 8508.	1.6	17
27	Diagnostic Accuracy of Neuroimaging to Delineate Diffuse Gliomas within the Brain: A Meta-Analysis. American Journal of Neuroradiology, 2017, 38, 1884-1891.	1.2	42
28	Reproducibility of MRI Dixon-Based Attenuation Correction in Combined PET/MR with Applications for Lean Body Mass Estimation. Journal of Nuclear Medicine, 2016, 57, 1096-1101.	2.8	18
29	Quantification of serial changes in cerebral blood volume and metabolism in patients with recurrent glioblastoma undergoing antiangiogenic therapy. European Journal of Radiology, 2015, 84, 1128-1136.	1.2	33
30	Differences in Metabolism of Fiber Tract Alterations in Gliomas. Neurosurgery, 2012, 71, 454-463.	0.6	16
31	Magnetic resonance fiber density mapping of age-related white matter changes. European Journal of Radiology, 2012, 81, 4005-4012.	1.2	17
32	Magnetic resonance velocity mapping of 3D cerebrospinal fluid flow dynamics in hydrocephalus: preliminary results. European Radiology, 2012, 22, 232-242.	2.3	32
33	Classification of Peritumoral Fiber Tract Alterations in Gliomas Using Metabolic and Structural Neuroimaging. Journal of Nuclear Medicine, 2011, 52, 1227-1234.	2.8	20
34	Fiber Density Mapping of Gliomas: Histopathologic Evaluation of a Diffusion-Tensor Imaging Data Processing Method. Radiology, 2010, 257, 846-853.	3.6	31
35	Insight into the patterns of cerebrospinal fluid flow in the human ventricular system using MR velocity mapping. NeuroImage, 2010, 51, 42-52.	2.1	50
36	Accelerated time-resolved three-dimensional MR velocity mapping of blood flow patterns in the aorta using SENSE and k-t BLAST. European Journal of Radiology, 2010, 75, e15-e21.	1.2	46

#	Article	IF	Citations
37	Detection of tumour invasion into the pyramidal tract in glioma patients with sensorimotor deficits by correlation of 18F-fluoroethyl-L-tyrosine PET and magnetic resonance diffusion tensor imaging. Acta Neurochirurgica, 2009, 151, 1061-1069.	0.9	41
38	Magnetic resonance imaging methodology. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 30-41.	3.3	40
39	Metabolic Imaging of Cerebral Gliomas: Spatial Correlation of Changes in O-(2-¹⁸F-Fluoroethyl)-l-Tyrosine PET and Proton Magnetic Resonance Spectroscopic Imaging. Journal of Nuclear Medicine, 2008, 49, 721-729.	2.8	89
40	Age-related Degradation in the Central Nervous System: Assessment with Diffusion-Tensor Imaging and Quantitative Fiber Tracking. Radiology, 2008, 247, 179-188.	3.6	85
41	Proton Magnetic Resonance Spectroscopic Imaging in the Border Zone of Gliomas. Investigative Radiology, 2007, 42, 218-223.	3.5	46
42	Diffusion tensor imaging and optimized fiber tracking in glioma patients: Histopathologic evaluation of tumor-invaded white matter structures. NeuroImage, 2007, 34, 949-956.	2.1	117
43	Preoperative Grading of Gliomas by Using Metabolite Quantification with High-Spatial-Resolution Proton MR Spectroscopic Imaging. Radiology, 2006, 238, 958-969.	3.6	168
44	Gliomas: Histopathologic Evaluation of Changes in Directionality and Magnitude of Water Diffusion at Diffusion-Tensor MR Imaging. Radiology, 2006, 240, 803-810.	3.6	181
45	Integration of biochemical images of a tumor into frameless stereotaxy achieved using a magnetic resonance imaging/magnetic resonance spectroscopy hybrid data set. Journal of Neurosurgery, 2004, 101, 287-294.	0.9	63
46	Improved delineation of brain tumors: an automated method for segmentation based on pathologic changes of 1H-MRSI metabolites in gliomas. NeuroImage, 2004, 23, 454-461.	2.1	118