Anna Tietze

List of Publications by Year
in descending order

54 papers	2,479 citations	331259 21 h-index	214527 47 g-index
57 all docs	57 docs citations	57 times ranked	4568 citing authors

#	Article	IF	Citations
1	Lead-DBS v2: Towards a comprehensive pipeline for deep brain stimulation imaging. NeuroImage, 2019, 184, 293-316.	2.1	527
2	Prediction of Tissue Outcome and Assessment of Treatment Effect in Acute Ischemic Stroke Using Deep Learning. Stroke, 2018, 49, 1394-1401.	1.0	156
3	Brain inflammation accompanies amyloid in the majority of mild cognitive impairment cases due to Alzheimerâ€™s disease. Brain, 2017, 140, 2002-2011.	3.7	147
4	Assessment of ischemic penumbra in patients with hyperacute stroke using amide proton transfer (APT) chemical exchange saturation transfer (CEST) MRI. NMR in Biomedicine, 2014, 27, 163-174.	1.6	144
5	The Role of the Microcirculation in Delayed Cerebral Ischemia and Chronic Degenerative Changes after Subarachnoid Hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 1825-1837.	2.4	140
6	The Relationship between Tumor Blood Flow, Angiogenesis, Tumor Hypoxia, and Aerobic Glycolysis. Cancer Research, 2013, 73, 5618-5624.	0.4	140
7	Molecularly defined diffuse leptomeningeal glioneuronal tumor (DLGNT) comprises two subgroups with distinct clinical and genetic features. Acta Neuropathologica, 2018, 136, 239-253.	3.9	118
8	The Role of the Cerebral Capillaries in Acute Ischemic Stroke: The Extended Penumbra Model. Journal of Cerebral Blood Flow and Metabolism, 2013, 33, 635-648.	2.4	115
9	Capillary Transit Time Heterogeneity and Flow-Metabolism Coupling after Traumatic Brain Injury. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 1585-1598.	2.4	114
10	Mean Diffusional Kurtosis in Patients with Glioma: Initial Results with a Fast Imaging Method in a Clinical Setting. American Journal of Neuroradiology, 2015, 36, 1472-1478.	1.2	70
11	Changes in 3-dimensional bone structure indices in hypoparathyroid patients treated with PTH(1-84): A randomized controlled study. Journal of Bone and Mineral Research, 2012, 27, 781-788.	3.1	67
12	Noninvasive assessment of isocitrate dehydrogenase mutation status in cerebral gliomas by magnetic resonance spectroscopy in a clinical setting. Journal of Neurosurgery, 2018, 128, 391-398.	0.9	62
13	Reduced Prediagnostic 25-Hydroxyvitamin D Levels in Women with Breast Cancer: A Nested Case-Control Study. Cancer Epidemiology Biomarkers and Prevention, 2009, 18, 2655-2660.	1.1	57
14	Microcirculatory dysfunction and tissue oxygenation in critical illness. Acta Anaesthesiologica Scandinavica, 2015, 59, 1246-1259.	0.7	48
15	BOLD MRI in sheep fetuses: a nonâ€invasive method for measuring changes in tissue oxygenation. Ultrasound in Obstetrics and Gynecology, 2009, 34, 687-692.	0.9	43
16	Automatic thalamus and hippocampus segmentation from MP2RAGE: comparison of publicly available methods and implications for DTI quantification. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1979-1991.	1.7	40
17	Perfusion MRI Derived Indices of Microvascular Shunting and Flow Control Correlate with Tumor Grade and Outcome in Patients with Cerebral Glioma. PLoS ONE, 2015, 10, e0123044.	1.1	34
18	Microstructural changes in the thalamus after mild traumatic brain injury: A longitudinal diffusion and mean kurtosis tensor MRI study. Brain Injury, 2017, 31, 230-236.	0.6	33

#	Article	IF	Citations
19	Ephedrine versus Phenylephrine Effect on Cerebral Blood Flow and Oxygen Consumption in Anesthetized Brain Tumor Patients. Anesthesiology, 2020, 133, 304-317.	1.3	30
20	Comparison of single and dual energy CT for stopping power determination in proton therapy of head and neck cancer. Physics and Imaging in Radiation Oncology, 2018, 6, 14-19.	1.2	28
21	Prophylactic cranial irradiation in patients with small cell lung cancer. A retrospective study of recurrence, survival and morbidity. Lung Cancer, 2012, 77, 561-566.	0.9	24
22	Personalizing Deep Brain Stimulation Using Advanced Imaging Sequences. Annals of Neurology, 2022, 91, 613-628.	2.8	22
23	The impact of reliable prebolus T 1 measurements or a fixed T 1 value in the assessment of glioma patients with dynamic contrast enhancing MRI. Neuroradiology, 2015, 57, 561-572.	1.1	21
24	Cerebral Macro- and Microcirculation during Ephedrine versus Phenylephrine Treatment in Anesthetized Brain Tumor Patients: A Randomized Clinical Trial Using Magnetic Resonance Imaging. Anesthesiology, 2021, 135, 788-803.	1.3	20
25	Spatial distribution of malignant tissue in gliomas: correlations of ¹¹C-L-methionine positron emission tomography and perfusion- and diffusion-weighted magnetic resonance imaging. Acta Radiologica, 2015, 56, 1135-1144.	0.5	19
26	Acute myeloid and Tâ€cell acute lymphoblastic leukaemia with aberrant antigen expression exhibit similar TCRÎ´ gene rearrangements. British Journal of Haematology, 1996, 92, 929-936.	1.2	18
27	Dabigatran-related Intracerebral Hemorrhage Resulting in Hematoma Expansion. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, e133-e134.	0.7	18
28	Impaired perfusion and capillary dysfunction in prodromal Alzheimer's disease. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2020, 12, e12032.	1.2	18
29	Accuracy of 18F-FDG PET-CT in triaging lung cancer patients with suspected brain metastases for MRI. Nuclear Medicine Communications, 2015, 36, 1084-1090.	0.5	17
30	Perfusion and pH MRI in familial hemiplegic migraine with prolonged aura. Cephalalgia, 2016, 36, 279-283.	1.8	17
31	Leftâ€“right difference in fetal liver oxygenation during hypoxia estimated by BOLD MRI in a fetal sheep model. Ultrasound in Obstetrics and Gynecology, 2011, 38, 665-672.	0.9	14
32	Reliable estimation of microvascular flow patterns in patients with disrupted bloodâ€“brain barrier using dynamic susceptibility contrast MRI. Journal of Magnetic Resonance Imaging, 2017, 46, 537-549.	1.9	13
33	Abnormal Amyloid Load in Mild Cognitive Impairment: The Effect of Reducing the PiBâ€PET Threshold. Journal of Neuroimaging, 2019, 29, 499-505.	1.0	13
34	Epilepsy surgery in the first six months of life: A systematic review and meta-analysis. Seizure: the Journal of the British Epilepsy Association, 2022, 96, 109-117.	0.9	12
35	Effect of thyroxine on brain microstructure in extremely premature babies: magnetic resonance imaging findings in the TIPIT study. Pediatric Radiology, 2014, 44, 987-996.	1.1	11
36	Pseudoprogression after proton radiotherapy for pediatric low grade glioma. Acta OncolÃ³gica, 2015, 54, 1701-1702.	0.8	9

#	Article	IF	Citations
37	Diffusion MRI findings in patients with extensive and minimal post-concussion symptoms after mTBI and healthy controls: a cross sectional study. Brain Injury, 2018, 32, 91-98.	0.6	9
38	Bayesian modeling of Dynamic Contrast Enhanced MRI data in cerebral glioma patients improves the diagnostic quality of hemodynamic parameter maps. PLoS ONE, 2018, 13, e0202906.	1.1	9
39	Assessment of myelination in infants and young children by T1 relaxation time measurements using the magnetization-prepared 2 rapid acquisition gradient echoes sequence. Pediatric Radiology, 2021, 51, 2058-2068.	1.1	9
40	Paraplegia due to drop metastases from anaplastic oligodendroglioma. British Journal of Neurosurgery, 2012, 26, 94-95.	0.4	8
41	The h-index and multi-author hm-index for individual researchers in condensed matter physics. Scientometrics, 2019, 119, 171-185.	1.6	8
42	Tumor load rather than contrast enhancement is associated with the visual function of children and adolescents with optic pathway glioma â€“ a retrospective Magnetic Resonance Imaging study. Journal of Neuro-Oncology, 2022, 156, 589-597.	1.4	7
43	Robust estimation of hemo-dynamic parameters in traditional DCE-MRI models. PLoS ONE, 2019, 14, e0209891.	1.1	6
44	Classification of Intracranial Stenoses: Discrepancies between Transcranial Duplex Sonography and Computed Tomography Angiography. Ultrasound in Medicine and Biology, 2020, 46, 1889-1895.	0.7	6
45	Case Report: Hemispherotomy in the First Days of Life to Treat Drug-Resistant Lesional Epilepsy. Frontiers in Neurology, 2021, 12, 818972.	1.1	6
46	TIPIT: A randomised controlled trial of thyroxine in preterm infants under 28 weeks gestation: Magnetic Resonance Imaging and Magnetic Resonance Angiography protocol. BMC Pediatrics, 2008, 8, 26.	0.7	4
47	Effect of ephedrine and phenylephrine on brain oxygenation and microcirculation in anaesthetised patients with cerebral tumours: study protocol for a randomised controlled trial. BMJ Open, 2017, 7, e018560.	0.8	4
48	Dynamic cerebellar herniation in Chiari patients during the cardiac cycle evaluated by dynamic magnetic resonance imaging. Neuroradiology, 2019, 61, 825-832.	1.1	4
49	Crediting multi-authored papers to single authors. Physica A: Statistical Mechanics and Its Applications, 2020, 554, 124652.	1.2	4
50	Infratentorial MRI Findings in Rasmussen Encephalitis Suggest Primary Cerebellar Involvement. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, .	3.1	4
51	Biased visualization of hypoperfused tissue by computed tomography due to short imaging duration: improved classification by image down-sampling and vascular models. European Radiology, 2015, 25, 2080-2088.	2.3	3
52	Is cannabidiol worth a trial in Rasmussen encephalitis?. European Journal of Paediatric Neurology, 2022, 37, 53-55.	0.7	3
53	The role of computed tomography in the screening of patients presenting with symptoms of an intracranial tumour. Acta Neurochirurgica, 2018, 160, 667-672.	0.9	2
54	Patch-Based Segmentation from MP2RAGE Images: Comparison to Conventional Techniques. Lecture Notes in Computer Science, 2015, , 180-187.	1.0	2