

# Benedikt Wiestler

## List of Publications by Citations

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143  
papers

6,636  
citations

38  
h-index

80  
g-index

151  
ext. papers

8,231  
ext. citations

6.6  
avg, IF

5.44  
L-index

#	Paper	IF	Citations
143	Hotspot mutations in H3F3A and IDH1 define distinct epigenetic and biological subgroups of glioblastoma. <i>Cancer Cell</i> , <b>2012</b> , 22, 425-37	24.3	1243
142	Brain tumour cells interconnect to a functional and resistant network. <i>Nature</i> , <b>2015</b> , 528, 93-8	50.4	496
141	A vaccine targeting mutant IDH1 induces antitumour immunity. <i>Nature</i> , <b>2014</b> , 512, 324-7	50.4	481
140	ATRX and IDH1-R132H immunohistochemistry with subsequent copy number analysis and IDH sequencing as a basis for an "integrated" diagnostic approach for adult astrocytoma, oligodendroglioma and glioblastoma. <i>Acta Neuropathologica</i> , <b>2015</b> , 129, 133-46	14.3	313
139	ATRX loss refines the classification of anaplastic gliomas and identifies a subgroup of IDH mutant astrocytic tumors with better prognosis. <i>Acta Neuropathologica</i> , <b>2013</b> , 126, 443-51	14.3	239
138	Distribution of TERT promoter mutations in pediatric and adult tumors of the nervous system. <i>Acta Neuropathologica</i> , <b>2013</b> , 126, 907-15	14.3	211
137	IDH mutation status is associated with a distinct hypoxia/angiogenesis transcriptome signature which is non-invasively predictable with rCBV imaging in human glioma. <i>Scientific Reports</i> , <b>2015</b> , 5, 16238	4.9	182
136	Suppression of antitumor T cell immunity by the oncometabolite (R)-2-hydroxyglutarate. <i>Nature Medicine</i> , <b>2018</b> , 24, 1192-1203	50.5	174
135	Prognostic or predictive value of MGMT promoter methylation in gliomas depends on IDH1 mutation. <i>Neurology</i> , <b>2013</b> , 81, 1515-22	6.5	160
134	Next-generation sequencing in routine brain tumor diagnostics enables an integrated diagnosis and identifies actionable targets. <i>Acta Neuropathologica</i> , <b>2016</b> , 131, 903-10	14.3	151
133	Integrated DNA methylation and copy-number profiling identify three clinically and biologically relevant groups of anaplastic glioma. <i>Acta Neuropathologica</i> , <b>2014</b> , 128, 561-71	14.3	148
132	Relaxation-compensated CEST-MRI of the human brain at 7T: Unbiased insight into NOE and amide signal changes in human glioblastoma. <i>NeuroImage</i> , <b>2015</b> , 112, 180-188	7.9	133
131	Primary central nervous system lymphoma and atypical glioblastoma: multiparametric differentiation by using diffusion-, perfusion-, and susceptibility-weighted MR imaging. <i>Radiology</i> , <b>2014</b> , 272, 843-50	20.5	110
130	Quantitative susceptibility mapping differentiates between blood depositions and calcifications in patients with glioblastoma. <i>PLoS ONE</i> , <b>2013</b> , 8, e57924	3.7	106
129	A phase II, randomized, study of weekly APG101+reirradiation versus reirradiation in progressive glioblastoma. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 6304-13	12.9	89
128	Deep Autoencoding Models for Unsupervised Anomaly Segmentation in Brain MR Images. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 161-169	0.9	84
127	Progression types after antiangiogenic therapy are related to outcome in recurrent glioblastoma. <i>Neurology</i> , <b>2014</b> , 82, 1684-92	6.5	84

126	Long-term analysis of the NOA-04 randomized phase III trial of sequential radiochemotherapy of anaplastic glioma with PCV or temozolomide. <i>Neuro-Oncology</i> , <b>2016</b> , 18, 1529-1537	1	80
125	ANGI-08RADIOGENOMIC rCBV-IMAGING VISUALIZES THE DISTINCT ANGIOGENESIS TRANSCRIPTOME SIGNATURES OF IDH MUTANT AND WILD-TYPE GLIOMAS. <i>Neuro-Oncology</i> , <b>2015</b> , 17, v42.3-v42	1	78
124	Pseudoprogression in patients with glioblastoma: clinical relevance despite low incidence. <i>Neuro-Oncology</i> , <b>2015</b> , 17, 151-9	1	74
123	Evaluation of microvascular permeability with dynamic contrast-enhanced MRI for the differentiation of primary CNS lymphoma and glioblastoma: radiologic-pathologic correlation. <i>American Journal of Neuroradiology</i> , <b>2014</b> , 35, 1503-8	4.4	68
122	Basal caspase activity promotes migration and invasiveness in glioblastoma cells. <i>Molecular Cancer Research</i> , <b>2007</b> , 5, 1232-40	6.6	66
121	Malignant astrocytomas of elderly patients lack favorable molecular markers: an analysis of the NOA-08 study collective. <i>Neuro-Oncology</i> , <b>2013</b> , 15, 1017-26	1	65
120	Relevance of T2 signal changes in the assessment of progression of glioblastoma according to the Response Assessment in Neurooncology criteria. <i>Neuro-Oncology</i> , <b>2012</b> , 14, 222-9	1	65
119	Relative cerebral blood volume is a potential predictive imaging biomarker of bevacizumab efficacy in recurrent glioblastoma. <i>Neuro-Oncology</i> , <b>2015</b> , 17, 1139-47	1	64
118	Tweety-Homolog 1 Drives Brain Colonization of Gliomas. <i>Journal of Neuroscience</i> , <b>2017</b> , 37, 6837-6850	6.6	62
117	Assessing CpG island methylator phenotype, 1p/19q codeletion, and MGMT promoter methylation from epigenome-wide data in the biomarker cohort of the NOA-04 trial. <i>Neuro-Oncology</i> , <b>2014</b> , 16, 1630-8	1	59
116	Association of overall survival in patients with newly diagnosed glioblastoma with contrast-enhanced perfusion MRI: Comparison of intraindividually matched T1 - and T2 (*) -based bolus techniques. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 42, 87-96	5.6	53
115	Autoencoders for unsupervised anomaly segmentation in brain MR images: A comparative study. <i>Medical Image Analysis</i> , <b>2021</b> , 69, 101952	15.4	51
114	Diffusion tensor image features predict IDH genotype in newly diagnosed WHO grade II/III gliomas. <i>Scientific Reports</i> , <b>2017</b> , 7, 13396	4.9	50
113	Radiomics in radiooncology - Challenging the medical physicist. <i>Physica Medica</i> , <b>2018</b> , 48, 27-36	2.7	49
112	Differentiation of glioblastoma and primary CNS lymphomas using susceptibility weighted imaging. <i>European Journal of Radiology</i> , <b>2013</b> , 82, 552-6	4.7	49
111	Personalized Radiotherapy Design for Glioblastoma: Integrating Mathematical Tumor Models, Multimodal Scans, and Bayesian Inference. <i>IEEE Transactions on Medical Imaging</i> , <b>2019</b> , 38, 1875-1884	11.7	45
110	Multiparametric MRI-based differentiation of WHO grade II/III glioma and WHO grade IV glioblastoma. <i>Scientific Reports</i> , <b>2016</b> , 6, 35142	4.9	44
109	Nuclear overhauser enhancement mediated chemical exchange saturation transfer imaging at 7 Tesla in glioblastoma patients. <i>PLoS ONE</i> , <b>2014</b> , 9, e104181	3.7	43

108	Diagnosis of glioma recurrence using multiparametric dynamic 18F-fluoroethyl-tyrosine PET-MRI. <i>European Journal of Radiology</i> , <b>2018</b> , 103, 32-37	4.7	42
107	Fulminant Central Nervous System Nocardiosis in a Patient Treated With Alemtuzumab for Relapsing-Remitting Multiple Sclerosis. <i>JAMA Neurology</i> , <b>2016</b> , 73, 757-9	17.2	42
106	Protein kinase C $\alpha$ s a therapeutic target stabilizing blood-brain barrier disruption in experimental autoimmune encephalomyelitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 14735-40	11.5	41
105	Evaluation of dynamic contrast-enhanced MRI derived microvascular permeability in recurrent glioblastoma treated with bevacizumab. <i>Journal of Neuro-Oncology</i> , <b>2015</b> , 121, 373-80	4.8	35
104	EANO-EURACAN clinical practice guideline for diagnosis, treatment, and follow-up of post-pubertal and adult patients with medulloblastoma. <i>Lancet Oncology</i> , <b>2019</b> , 20, e715-e728	21.7	31
103	Differentiation of pseudoprogression and real progression in glioblastoma using ADC parametric response maps. <i>PLoS ONE</i> , <b>2017</b> , 12, e0174620	3.7	30
102	Primary glioblastoma cultures: can profiling of stem cell markers predict radiotherapy sensitivity?. <i>Journal of Neurochemistry</i> , <b>2014</b> , 131, 251-64	6	29
101	Nuclear Overhauser Enhancement imaging of glioblastoma at 7 Tesla: region specific correlation with apparent diffusion coefficient and histology. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121220	3.7	28
100	Proximity ligation assay evaluates IDH1R132H presentation in gliomas. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 593-606	15.9	27
99	Deep-Learning Generated Synthetic Double Inversion Recovery Images Improve Multiple Sclerosis Lesion Detection. <i>Investigative Radiology</i> , <b>2020</b> , 55, 318-323	10.1	25
98	Retrospective Analysis of Radiological Recurrence Patterns in Glioblastoma, Their Prognostic Value And Association to Postoperative Infarct Volume. <i>Scientific Reports</i> , <b>2018</b> , 8, 4561	4.9	25
97	Human Glioma Migration and Infiltration Properties as a Target for Personalized Radiation Medicine. <i>Cancers</i> , <b>2018</b> , 10,	6.6	25
96	Accuracy of Unenhanced MRI in the Detection of New Brain Lesions in Multiple Sclerosis. <i>Radiology</i> , <b>2019</b> , 291, 429-435	20.5	24
95	Quantification of tumor vessels in glioblastoma patients using time-of-flight angiography at 7 Tesla: a feasibility study. <i>PLoS ONE</i> , <b>2014</b> , 9, e110727	3.7	24
94	Acceleration of Double Inversion Recovery Sequences in Multiple Sclerosis With Compressed Sensing. <i>Investigative Radiology</i> , <b>2019</b> , 54, 319-324	10.1	23
93	Combining multimodal imaging and treatment features improves machine learning-based prognostic assessment in patients with glioblastoma multiforme. <i>Cancer Medicine</i> , <b>2019</b> , 8, 128-136	4.8	23
92	Infiltrative patterns of glioblastoma: Identification of tumor progress using apparent diffusion coefficient histograms. <i>Journal of Magnetic Resonance Imaging</i> , <b>2014</b> , 39, 1096-103	5.6	22
91	Characterizing hypoxia in human glioma: A simultaneous multimodal MRI and PET study. <i>NMR in Biomedicine</i> , <b>2017</b> , 30, e3775	4.4	22

90	Neuroradiological response criteria for high-grade gliomas. <i>Clinical Neuroradiology</i> , <b>2011</b> , 21, 199-205	2.7	22
89	CXCR4-Targeted PET Imaging of Central Nervous System B-Cell Lymphoma. <i>Journal of Nuclear Medicine</i> , <b>2020</b> , 61, 1765-1771	8.9	21
88	Local Fractional Anisotropy Is Reduced in Areas with Tumor Recurrence in Glioblastoma. <i>Radiology</i> , <b>2017</b> , 283, 499-507	20.5	21
87	DiamondGAN: Unified Multi-modal Generative Adversarial Networks for MRI Sequences Synthesis. <i>Lecture Notes in Computer Science</i> , <b>2019</b> , 795-803	0.9	21
86	BraTS Toolkit: Translating BraTS Brain Tumor Segmentation Algorithms Into Clinical and Scientific Practice. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 125	5.1	20
85	Bevacizumab alone or in combination with irinotecan in recurrent WHO grade II and grade III gliomas. <i>European Neurology</i> , <b>2013</b> , 69, 95-101	2.1	20
84	Analysis of fractional anisotropy facilitates differentiation of glioblastoma and brain metastases in a clinical setting. <i>European Journal of Radiology</i> , <b>2016</b> , 85, 2182-2187	4.7	20
83	Response assessment with the CXCR4-directed positron emission tomography tracer [Ga]Pentixafor in a patient with extranodal marginal zone lymphoma of the orbital cavities. <i>EJNMMI Research</i> , <b>2017</b> , 7, 51	3.6	19
82	Automatic detection of lesion load change in Multiple Sclerosis using convolutional neural networks with segmentation confidence. <i>NeuroImage: Clinical</i> , <b>2020</b> , 25, 102104	5.3	19
81	VerSe: A Vertebrae labelling and segmentation benchmark for multi-detector CT images. <i>Medical Image Analysis</i> , <b>2021</b> , 73, 102166	15.4	19
80	Prognostic value of combined visualization of MR diffusion and perfusion maps in glioblastoma. <i>Journal of Neuro-Oncology</i> , <b>2016</b> , 126, 463-72	4.8	18
79	Infarct volume after glioblastoma surgery as an independent prognostic factor. <i>Oncotarget</i> , <b>2016</b> , 7, 61945-61954	3.3	18
78	Predicting conversion from clinically isolated syndrome to multiple sclerosis-An imaging-based machine learning approach. <i>NeuroImage: Clinical</i> , <b>2019</b> , 21, 101593	5.3	18
77	Treatment of anaplastic glioma. <i>Cancer Treatment and Research</i> , <b>2015</b> , 163, 89-101	3.5	17
76	Imaging glioma biology: spatial comparison of amino acid PET, amide proton transfer, and perfusion-weighted MRI in newly diagnosed gliomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2020</b> , 47, 1468-1475	8.8	17
75	Deep learning derived tumor infiltration maps for personalized target definition in Glioblastoma radiotherapy. <i>Radiotherapy and Oncology</i> , <b>2019</b> , 138, 166-172	5.3	17
74	Differentiation of brain metastases by percentagewise quantification of intratumoral-susceptibility-signals at 3Tesla. <i>European Journal of Radiology</i> , <b>2012</b> , 81, 4064-8	4.7	17
73	Prognostic Value of Tumor Volume in Glioblastoma Patients: Size Also Matters for Patients with Incomplete Resection. <i>Annals of Surgical Oncology</i> , <b>2018</b> , 25, 558-564	3.1	16

72	Prognostic relevance of miRNA-155 methylation in anaplastic glioma. <i>Oncotarget</i> , <b>2016</b> , 7, 82028-82045	3.3	15
71	Impact of ischemic preconditioning on surgical treatment of brain tumors: a single-center, randomized, double-blind, controlled trial. <i>BMC Medicine</i> , <b>2017</b> , 15, 137	11.4	14
70	Inhibition of CD95/CD95L (FAS/FASLG) Signaling with APG101 Prevents Invasion and Enhances Radiation Therapy for Glioblastoma. <i>Molecular Cancer Research</i> , <b>2018</b> , 16, 767-776	6.6	14
69	Consistency of normalized cerebral blood volume values in glioblastoma using different leakage correction algorithms on dynamic susceptibility contrast magnetic resonance imaging data without and with preload. <i>Journal of Neuroradiology</i> , <b>2019</b> , 46, 44-51	3.1	13
68	Progressive disease in glioblastoma: Benefits and limitations of semi-automated volumetry. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173112	3.7	12
67	Tissue-Selective Salvage of the White Matter by Successful Endovascular Stroke Therapy. <i>Stroke</i> , <b>2017</b> , 48, 2776-2783	6.7	11
66	Scale-Space Autoencoders for Unsupervised Anomaly Segmentation in Brain MRI. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 552-561	0.9	11
65	Integration of PET-imaging into radiotherapy treatment planning for low-grade meningiomas improves outcome. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2020</b> , 47, 1391-1399	8.8	11
64	Predicting Glioblastoma Recurrence from Preoperative MR Scans Using Fractional-Anisotropy Maps with Free-Water Suppression. <i>Cancers</i> , <b>2020</b> , 12,	6.6	10
63	A PRDX1-p38 $\beta$ heterodimer amplifies MET-driven invasion of IDH-wildtype and IDH-mutant gliomas. <i>International Journal of Cancer</i> , <b>2018</b> , 143, 1176-1187	7.5	10
62	Towards optimizing the sequence of bevacizumab and nitrosoureas in recurrent malignant glioma. <i>Journal of Neuro-Oncology</i> , <b>2014</b> , 117, 85-92	4.8	10
61	Safe Brain Tumor Resection Does not Depend on Surgery Alone - Role of Hemodynamics. <i>Scientific Reports</i> , <b>2017</b> , 7, 5585	4.9	10
60	A novel imaging technique for better detecting new lesions in multiple sclerosis. <i>Journal of Neurology</i> , <b>2017</b> , 264, 1909-1918	5.5	9
59	Modeling Healthy Anatomy with Artificial Intelligence for Unsupervised Anomaly Detection in Brain MRI. <i>Radiology: Artificial Intelligence</i> , <b>2021</b> , 3, e190169	8.7	9
58	Bornavirus Encephalitis Shows a Characteristic Magnetic Resonance Phenotype in Humans. <i>Annals of Neurology</i> , <b>2020</b> , 88, 723-735	9.4	8
57	Correlation of the quantitative level of MGMT promoter methylation and overall survival in primary diagnosed glioblastomas using the quantitative MethyQESD method. <i>Journal of Clinical Pathology</i> , <b>2020</b> , 73, 112-115	3.9	7
56	Clinical outcome prediction after thrombectomy of proximal middle cerebral artery occlusions by the appearance of lenticulostriate arteries on magnetic resonance angiography: A retrospective analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2018</b> , 38, 1911-1923	7.3	7
55	Image-Guided Radiooncology: The Potential of Radiomics in Clinical Application. <i>Recent Results in Cancer Research</i> , <b>2020</b> , 216, 773-794	1.5	7

54	Fractional Anisotropy Correlates with Overall Survival in Glioblastoma. <i>World Neurosurgery</i> , <b>2016</b> , 95, 525-534.e1	2.1	6
53	Deep learning for medical image analysis: a brief introduction. <i>Neuro-Oncology Advances</i> , <b>2020</b> , 2, iv35-iv41	4.1	6
52	Role of postoperative tumor volume in patients with MGMT-unmethylated glioblastoma. <i>Journal of Neuro-Oncology</i> , <b>2019</b> , 142, 529-536	4.8	5
51	-CD40 Crosstalk in Glioblastoma Invasion and Temozolomide Resistance. <i>Frontiers in Oncology</i> , <b>2020</b> , 10, 747	5.3	5
50	Multi-modal Image Classification Using Low-Dimensional Texture Features for Genomic Brain Tumor Recognition. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 201-209	0.9	5
49	SteGANomaly: Inhibiting CycleGAN Steganography for Unsupervised Anomaly Detection in Brain MRI. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 718-727	0.9	5
48	A computed tomography vertebral segmentation dataset with anatomical variations and multi-vendor scanner data. <i>Scientific Data</i> , <b>2021</b> , 8, 284	8.2	5
47	Increasing Diagnostic Accuracy of Mild Cognitive Impairment due to Alzheimer's Disease by User-Independent, Web-Based Whole-Brain Volumetry. <i>Journal of Alzheimer's Disease</i> , <b>2018</b> , 65, 1459-1467	4.3	5
46	Discrimination of Different Brain Metastases and Primary CNS Lymphomas Using Morphologic Criteria and Diffusion Tensor Imaging. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , <b>2016</b> , 188, 1134-1143	2.3	4
45	Impact of tapering and discontinuation of bevacizumab in patients with progressive glioblastoma. <i>Journal of Neuro-Oncology</i> , <b>2016</b> , 129, 533-539	4.8	4
44	The algorithms of adjuvant therapy in gliomas and their effect on survival. <i>Journal of Neurosurgical Sciences</i> , <b>2019</b> , 63, 179-186	1.3	4
43	Improving Automated Glioma Segmentation in Routine Clinical Use Through Artificial Intelligence-Based Replacement of Missing Sequences With Synthetic Magnetic Resonance Imaging Scans. <i>Investigative Radiology</i> , <b>2021</b> ,	10.1	4
42	Immunohistochemically Characterized Intratumoral Heterogeneity Is a Prognostic Marker in Human Glioblastoma. <i>Cancers</i> , <b>2020</b> , 12,	6.6	4
41	Intraventricular neuroepithelial tumors: surgical outcome, technical considerations and review of literature. <i>BMC Cancer</i> , <b>2020</b> , 20, 1060	4.8	4
40	Risk factors for neurocognitive impairment in patients with benign intracranial lesions. <i>Scientific Reports</i> , <b>2019</b> , 9, 8400	4.9	3
39	Perioperative neurocognitive functions in patients with neuroepithelial intracranial tumors. <i>Journal of Neuro-Oncology</i> , <b>2020</b> , 147, 77-89	4.8	3
38	Deep Learning with Synthetic Diffusion MRI Data for Free-Water Elimination in Glioblastoma Cases. <i>Lecture Notes in Computer Science</i> , <b>2018</b> , 98-106	0.9	3
37	A Baseline for Predicting Glioblastoma Patient Survival Time with Classical Statistical Models and Primitive Features Ignoring Image Information. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 254-261	0.9	3

36	AI in Radiology: Where are we today in Multiple Sclerosis Imaging?. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , <b>2020</b> , 192, 847-853	2.3	3
35	Increase in FLAIR Signal of the Fluid Within the Resection Cavity as Early Recurrence Marker: Also Valid for Brain Metastases?. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , <b>2017</b> , 189, 63-70	2.3	3
34	Modeling motor task activation from resting-state fMRI using machine learning in individual subjects. <i>Brain Imaging and Behavior</i> , <b>2021</b> , 15, 122-132	4.1	3
33	[F]FET PET Uptake Indicates High Tumor and Low Necrosis Content in Brain Metastasis. <i>Cancers</i> , <b>2021</b> , 13,	6.6	3
32	Tracking the Corticospinal Tract in Patients With High-Grade Glioma: Clinical Evaluation of Multi-Level Fiber Tracking and Comparison to Conventional Deterministic Approaches.. <i>Frontiers in Oncology</i> , <b>2021</b> , 11, 761169	5.3	3
31	The wavelet power spectrum of perfusion weighted MRI correlates with tumor vascularity in biopsy-proven glioblastoma samples. <i>PLoS ONE</i> , <b>2020</b> , 15, e0228030	3.7	2
30	Prognostic value of tumour volume in patients with a poor Karnofsky performance status scale - a bicentric retrospective study. <i>BMC Neurology</i> , <b>2021</b> , 21, 446	3.1	2
29	Automated Pathology Detection and Patient Triage in Routinely Acquired Head Computed Tomography Scans. <i>Investigative Radiology</i> , <b>2021</b> , 56, 571-578	10.1	2
28	Accelerated 3D whole-brain T1, T2, and proton density mapping: feasibility for clinical glioma MR imaging. <i>Neuroradiology</i> , <b>2021</b> , 63, 1831-1851	3.2	2
27	Fully automated analysis combining [F]-FET-PET and multiparametric MRI including DSC perfusion and APTw imaging: a promising tool for objective evaluation of glioma progression. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , <b>2021</b> , 48, 4445-4455	8.8	2
26	Development of Randomized Trials in Adults with Medulloblastoma-The Example of EORTC 1634-BTG/NOA-23. <i>Cancers</i> , <b>2021</b> , 13,	6.6	2
25	Elucidating the structural-functional connectome of language in glioma-induced aphasia using nTMS and DTI.. <i>Human Brain Mapping</i> , <b>2021</b> ,	5.9	2
24	Impact of brain volume and intracranial cerebrospinal fluid volume on the clinical outcome in endovascularly treated stroke patients. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2020</b> , 29, 104831 <sup>2.8</sup>	2.8	1
23	Assessment of the Extent of Resection in Surgery of High-Grade Glioma-Evaluation of Black Blood Sequences for Intraoperative Magnetic Resonance Imaging at 3 Tesla. <i>Cancers</i> , <b>2020</b> , 12,	6.6	1
22	Image Analysis Reveals Microstructural and Volumetric Differences in Glioblastoma Patients with and without Preoperative Seizures. <i>Cancers</i> , <b>2020</b> , 12,	6.6	1
21	Impact of time to endovascular reperfusion on outcome differs according to the involvement of the proximal MCA territory. <i>Journal of NeuroInterventional Surgery</i> , <b>2018</b> , 10, 530-536	7.8	1
20	Geometry-aware neural solver for fast Bayesian calibration of brain tumor models.. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , PP,	11.7	1
19	Age-adjusted Charlson comorbidity index in recurrent glioblastoma: a new prognostic factor?. <i>BMC Neurology</i> , <b>2022</b> , 22, 32	3.1	1



18	CXCR4-Targeted Positron Emission Tomography Imaging of Central Nervous System B-Cell Lymphoma. <i>Blood</i> , <b>2019</b> , 134, 2900-2900	2.2	1
17	Reinforced Redetection of Landmark in Pre- and Post-operative Brain Scan Using Anatomical Guidance for Image Alignment. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 81-90	0.9	1
16	Wavelet-based reconstruction of dynamic susceptibility MR-perfusion: a new method to visualize hypervascular brain tumors. <i>European Radiology</i> , <b>2019</b> , 29, 2669-2676	8	1
15	MRI criteria of subtypes of adenomas and epithelial cysts of the pituitary gland. <i>Neurosurgical Review</i> , <b>2020</b> , 43, 265-272	3.9	1
14	Visualizing cellularity and angiogenesis in newly-diagnosed glioblastoma with diffusion and perfusion MRI and FET-PET imaging. <i>EJNMMI Research</i> , <b>2021</b> , 11, 72	3.6	1
13	AI for Doctors-A Course to Educate Medical Professionals in Artificial Intelligence for Medical Imaging. <i>Healthcare (Switzerland)</i> , <b>2021</b> , 9,	3.4	1
12	Uncertainty-Aware and Lesion-Specific Image Synthesis in Multiple Sclerosis Magnetic Resonance Imaging: A Multicentric Validation Study.. <i>Frontiers in Neuroscience</i> , <b>2022</b> , 16, 889808	5.1	1
11	Automated Detection of Ischemic Stroke and Subsequent Patient Triage in Routinely Acquired Head CT. <i>Clinical Neuroradiology</i> , <b>2021</b> , 1	2.7	0
10	Gray matter atrophy in relapsing-remitting multiple sclerosis is associated with white matter lesions in connecting fibers. <i>Multiple Sclerosis Journal</i> , <b>2021</b> , 13524585211044957	5	0
9	Robust, Primitive, and Unsupervised Quality Estimation for Segmentation Ensembles.. <i>Frontiers in Neuroscience</i> , <b>2021</b> , 15, 752780	5.1	0
8	Modelling glioma progression, mass effect and intracranial pressure in patient anatomy.. <i>Journal of the Royal Society Interface</i> , <b>2022</b> , 19, 20210922	4.1	0
7	Subcortical motor ischemia can be detected by intraoperative MRI within 1h A feasibility study. <i>Brain and Spine</i> , <b>2022</b> , 2, 100862		
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