Benedikt Wiestler

List of Publications by Year
in descending order

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149 papers	9,441 citations	61857 43 h-index	40881 93 g-index
151 all docs	151 docs citations	151 times ranked	13008 citing authors

#	Article	IF	Citations
1	Hotspot Mutations in H3F3A and IDH1 Define Distinct Epigenetic and Biological Subgroups of Glioblastoma. Cancer Cell, 2012, 22, 425-437.	7.7	1,551
2	Brain tumour cells interconnect to a functional and resistant network. Nature, 2015, 528, 93-98.	13.7	787
3	A vaccine targeting mutant IDH1 induces antitumour immunity. Nature, 2014, 512, 324-327.	13.7	613
4	ATRX and IDH1-R132H immunohistochemistry with subsequent copy number analysis and IDH sequencing as a basis for an â€œintegratedâ€•diagnostic approach for adult astrocytoma, oligodendroglioma and glioblastoma. Acta Neuropathologica, 2015, 129, 133-146.	3.9	378
5	Suppression of antitumor T cell immunity by the oncometabolite (R)-2-hydroxyglutarate. Nature Medicine, 2018, 24, 1192-1203.	15.2	359
6	ATRX loss refines the classification of anaplastic gliomas and identifies a subgroup of IDH mutant astrocytic tumors with better prognosis. Acta Neuropathologica, 2013, 126, 443-451.	3.9	304
7	IDH mutation status is associated with a distinct hypoxia/angiogenesis transcriptome signature which is non-invasively predictable with rCBV imaging in human glioma. Scientific Reports, 2015, 5, 16238.	1.6	259
8	Distribution of TERT promoter mutations in pediatric and adult tumors of the nervous system. Acta Neuropathologica, 2013, 126, 907-915.	3.9	254
9	Prognostic or predictive value of MGMT promoter methylation in gliomas depends on IDH1 mutation. Neurology, 2013, 81, 1515-1522.	1.5	211
10	Next-generation sequencing in routine brain tumor diagnostics enables an integrated diagnosis and identifies actionable targets. Acta Neuropathologica, 2016, 131, 903-910.	3.9	203
11	Integrated DNA methylation and copy-number profiling identify three clinically and biologically relevant groups of anaplastic glioma. Acta Neuropathologica, 2014, 128, 561-571.	3.9	176
12	Relaxation-compensated CEST-MRI of the human brain at 7 T: Unbiased insight into NOE and amide signal changes in human glioblastoma. NeuroImage, 2015, 112, 180-188.	2.1	165
13	Deep Autoencoding Models for Unsupervised Anomaly Segmentation in Brain MR Images. Lecture Notes in Computer Science, 2019, , 161-169.	1.0	162
14	Autoencoders for unsupervised anomaly segmentation in brain MR images: A comparative study. Medical Image Analysis, 2021, 69, 101952.	7.0	158
15	Quantitative Susceptibility Mapping Differentiates between Blood Depositions and Calcifications in Patients with Glioblastoma. PLoS ONE, 2013, 8, e57924.	1.1	137
16	Primary Central Nervous System Lymphoma and Atypical Glioblastoma: Multiparametric Differentiation by Using Diffusion-, Perfusion-, and Susceptibility-weighted MR Imaging. Radiology, 2014, 272, 843-850.	3.6	137
17	Long-term analysis of the NOA-04 randomized phase III trial of sequential radiochemotherapy of anaplastic glioma with PCV or temozolomide. Neuro-Oncology, 2016, 18, now133.	0.6	130
18	Tweety-Homolog 1 Drives Brain Colonization of Gliomas. Journal of Neuroscience, 2017, 37, 6837-6850.	1.7	129

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19	VerSe: A Vertebrae labelling and segmentation benchmark for multi-detector CT images. Medical Image Analysis, 2021, 73, 102166.	7.0	112
20	A Phase II, Randomized, Study of Weekly APG101+Reirradiation versus Reirradiation in Progressive Glioblastoma. Clinical Cancer Research, 2014, 20, 6304-6313.	3.2	111
21	Progression types after antiangiogenic therapy are related to outcome in recurrent glioblastoma. Neurology, 2014, 82, 1684-1692.	1.5	101
22	Personalized Radiotherapy Design for Glioblastoma: Integrating Mathematical Tumor Models, Multimodal Scans, and Bayesian Inference. IEEE Transactions on Medical Imaging, 2019, 38, 1875-1884.	5.4	96
23	Pseudoprogression in patients with glioblastoma: clinical relevance despite low incidence. Neuro-Oncology, 2015, 17, 151-159.	0.6	90
24	Relative cerebral blood volume is a potential predictive imaging biomarker of bevacizumab efficacy in recurrent glioblastoma. Neuro-Oncology, 2015, 17, 1139-1147.	0.6	89
25	Diagnosis of glioma recurrence using multiparametric dynamic 18F-fluoroethyl-tyrosine PET-MRI. European Journal of Radiology, 2018, 103, 32-37.	1.2	85
26	Evaluation of Microvascular Permeability with Dynamic Contrast-Enhanced MRI for the Differentiation of Primary CNS Lymphoma and Glioblastoma: Radiologic-Pathologic Correlation. American Journal of Neuroradiology, 2014, 35, 1503-1508.	1.2	84
27	Malignant astrocytomas of elderly patients lack favorable molecular markers: an analysis of the NOA-08 study collective. Neuro-Oncology, 2013, 15, 1017-1026.	0.6	78
28	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. Neuro-Oncology, 2014, 16, 1630-1638.	0.6	77
29	Basal Caspase Activity Promotes Migration and Invasiveness in Glioblastoma Cells. Molecular Cancer Research, 2007, 5, 1232-1240.	1.5	76
30	Relevance of T2 signal changes in the assessment of progression of glioblastoma according to the Response Assessment in Neurooncology criteria. Neuro-Oncology, 2012, 14, 222-229.	0.6	76
31	Radiomics in radiooncology â€“ Challenging the medical physicist. Physica Medica, 2018, 48, 27-36.	0.4	71
32	Nuclear Overhauser Enhancement Mediated Chemical Exchange Saturation Transfer Imaging at 7 Tesla in Glioblastoma Patients. PLoS ONE, 2014, 9, e104181.	1.1	62
33	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. Journal of Magnetic Resonance Imaging, 2015, 42, 87-96.	1.9	61
34	Diffusion tensor image features predict IDH genotype in newly diagnosed WHO grade II/III gliomas. Scientific Reports, 2017, 7, 13396.	1.6	57
35	Differentiation of glioblastoma and primary CNS lymphomas using susceptibility weighted imaging. European Journal of Radiology, 2013, 82, 552-556.	1.2	56
36	EANOâ€“EURACAN clinical practice guideline for diagnosis, treatment, and follow-up of post-pubertal and adult patients with medulloblastoma. Lancet Oncology, The, 2019, 20, e715-e728.	5.1	56

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37	Multiparametric MRI-based differentiation of WHO grade II/III glioma and WHO grade IV glioblastoma. Scientific Reports, 2016, 6, 35142.	1.6	52
38	BraTS Toolkit: Translating BraTS Brain Tumor Segmentation Algorithms Into Clinical and Scientific Practice. Frontiers in Neuroscience, 2020, 14, 125.	1.4	50
39	Fulminant Central Nervous System Nocardiosis in a Patient Treated With Alemtuzumab for Relapsing-Remitting Multiple Sclerosis. JAMA Neurology, 2016, 73, 757.	4.5	48
40	Retrospective Analysis of Radiological Recurrence Patterns in Glioblastoma, Their Prognostic Value And Association to Postoperative Infarct Volume. Scientific Reports, 2018, 8, 4561.	1.6	48
41	Primary glioblastoma cultures: can profiling of stem cell markers predict radiotherapy sensitivity?. Journal of Neurochemistry, 2014, 131, 251-264.	2.1	47
42	Accuracy of Unenhanced MRI in the Detection of New Brain Lesions in Multiple Sclerosis. Radiology, 2019, 291, 429-435.	3.6	46
43	Protein kinase CÎ² as a therapeutic target stabilizing bloodâ€“brain barrier disruption in experimental autoimmune encephalomyelitis. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14735-14740.	3.3	43
44	Evaluation of dynamic contrast-enhanced MRI derived microvascular permeability in recurrent glioblastoma treated with bevacizumab. Journal of Neuro-Oncology, 2015, 121, 373-380.	1.4	43
45	Human Glioma Migration and Infiltration Properties as a Target for Personalized Radiation Medicine. Cancers, 2018, 10, 456.	1.7	43
46	Combining multimodal imaging and treatment features improves machine learningâ€based prognostic assessment in patients with glioblastoma multiforme. Cancer Medicine, 2019, 8, 128-136.	1.3	43
47	Automatic detection of lesion load change in Multiple Sclerosis using convolutional neural networks with segmentation confidence. NeuroImage: Clinical, 2020, 25, 102104.	1.4	42
48	Differentiation of pseudoprogression and real progression in glioblastoma using ADC parametric response maps. PLoS ONE, 2017, 12, e0174620.	1.1	39
49	Deep-Learning Generated Synthetic Double Inversion Recovery Images Improve Multiple Sclerosis Lesion Detection. Investigative Radiology, 2020, 55, 318-323.	3.5	38
50	Nuclear Overhauser Enhancement Imaging of Glioblastoma at 7 Tesla: Region Specific Correlation with Apparent Diffusion Coefficient and Histology. PLoS ONE, 2015, 10, e0121220.	1.1	36
51	DiamondGAN: Unified Multi-modal Generative Adversarial Networks for MRI Sequences Synthesis. Lecture Notes in Computer Science, 2019, , 795-803.	1.0	36
52	Imaging glioma biology: spatial comparison of amino acid PET, amide proton transfer, and perfusion-weighted MRI in newly diagnosed gliomas. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 1468-1475.	3.3	35
53	Proximity ligation assay evaluates IDH1R132H presentation in gliomas. Journal of Clinical Investigation, 2015, 125, 593-606.	3.9	35
54	Predicting conversion from clinically isolated syndrome to multiple sclerosisâ€“An imaging-based machine learning approach. NeuroImage: Clinical, 2019, 21, 101593.	1.4	34

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55	CXCR4-Targeted PET Imaging of Central Nervous System B-Cell Lymphoma. Journal of Nuclear Medicine, 2020, 61, 1765-1771.	2.8	34
56	Local Fractional Anisotropy Is Reduced in Areas with Tumor Recurrence in Glioblastoma. Radiology, 2017, 283, 499-507.	3.6	33
57	Prognostic Value of Tumor Volume in Glioblastoma Patients: Size Also Matters for Patients with Incomplete Resection. Annals of Surgical Oncology, 2018, 25, 558-564.	0.7	33
58	Quantification of Tumor Vessels in Glioblastoma Patients Using Time-of-Flight Angiography at 7 Tesla: A Feasibility Study. PLoS ONE, 2014, 9, e110727.	1.1	30
59	Characterizing hypoxia in human glioma: A simultaneous multimodal MRI and PET study. NMR in Biomedicine, 2017, 30, e3775.	1.6	30
60	Analysis of fractional anisotropy facilitates differentiation of glioblastoma and brain metastases in a clinical setting. European Journal of Radiology, 2016, 85, 2182-2187.	1.2	28
61	Deep learning derived tumor infiltration maps for personalized target definition in Glioblastoma radiotherapy. Radiotherapy and Oncology, 2019, 138, 166-172.	0.3	28
62	Acceleration of Double Inversion Recovery Sequences in Multiple Sclerosis With Compressed Sensing. Investigative Radiology, 2019, 54, 319-324.	3.5	28
63	Bevacizumab Alone or in Combination with Irinotecan in Recurrent WHO Grade II and Grade III Gliomas. European Neurology, 2013, 69, 95-101.	0.6	27
64	Differentiation of brain metastases by percentagewise quantification of intratumoral-susceptibility-signals at 3Tesla. European Journal of Radiology, 2012, 81, 4064-4068.	1.2	26
65	Infiltrative patterns of glioblastoma: Identification of tumor progress using apparent diffusion coefficient histograms. Journal of Magnetic Resonance Imaging, 2014, 39, 1096-1103.	1.9	25
66	Inhibition of CD95/CD95L (FAS/FASLG) Signaling with APG101 Prevents Invasion and Enhances Radiation Therapy for Glioblastoma. Molecular Cancer Research, 2018, 16, 767-776.	1.5	25
67	Neuroradiological Response Criteria for High-grade Gliomas. Clinical Neuroradiology, 2011, 21, 199-205.	1.0	24
68	Response assessment with the CXCR4-directed positron emission tomography tracer [68Ga]Pentixafor in a patient with extranodal marginal zone lymphoma of the orbital cavities. EJNMMI Research, 2017, 7, 51.	1.1	24
69	Infarct volume after glioblastoma surgery as an independent prognostic factor. Oncotarget, 2016, 7, 61945-61954.	0.8	23
70	Predicting Glioblastoma Recurrence from Preoperative MR Scans Using Fractional-Anisotropy Maps with Free-Water Suppression. Cancers, 2020, 12, 728.	1.7	23
71	Bornavirus Encephalitis Shows a Characteristic Magnetic Resonance Phenotype in Humans. Annals of Neurology, 2020, 88, 723-735.	2.8	22
72	A computed tomography vertebral segmentation dataset with anatomical variations and multi-vendor scanner data. Scientific Data, 2021, 8, 284.	2.4	22

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73	Prognostic value of combined visualization of MR diffusion and perfusion maps in glioblastoma. Journal of Neuro-Oncology, 2016, 126, 463-472.	1.4	21
74	Prognostic relevance of miRNA-155 methylation in anaplastic glioma. Oncotarget, 2016, 7, 82028-82045.	0.8	21
75	Modeling Healthy Anatomy with Artificial Intelligence for Unsupervised Anomaly Detection in Brain MRI. Radiology: Artificial Intelligence, 2021, 3, e190169.	3.0	20
76	Improving Automated Glioma Segmentation in Routine Clinical Use Through Artificial Intelligence-Based Replacement of Missing Sequences With Synthetic Magnetic Resonance Imaging Scans. Investigative Radiology, 2022, 57, 187-193.	3.5	20
77	Impact of ischemic preconditioning on surgical treatment of brain tumors: a single-center, randomized, double-blind, controlled trial. BMC Medicine, 2017, 15, 137.	2.3	19
78	Fully automated analysis combining [18F]-FET-PET and multiparametric MRI including DSC perfusion and APTw imaging: a promising tool for objective evaluation of glioma progression. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 4445-4455.	3.3	19
79	Image-Guided Radiooncology: The Potential of Radiomics in Clinical Application. Recent Results in Cancer Research, 2020, 216, 773-794.	1.8	19
80	Treatment of Anaplastic Glioma. Cancer Treatment and Research, 2015, 163, 89-101.	0.2	18
81	Safe Brain Tumor Resection Does not Depend on Surgery Alone - Role of Hemodynamics. Scientific Reports, 2017, 7, 5585.	1.6	18
82	Tissue-Selective Salvage of the White Matter by Successful Endovascular Stroke Therapy. Stroke, 2017, 48, 2776-2783.	1.0	17
83	A novel imaging technique for better detecting new lesions in multiple sclerosis. Journal of Neurology, 2017, 264, 1909-1918.	1.8	17
84	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. Journal of Neuroradiology, 2019, 46, 44-51.	0.6	17
85	AI for Doctorsâ€"A Course to Educate Medical Professionals in Artificial Intelligence for Medical Imaging. Healthcare (Switzerland), 2021, 9, 1278.	1.0	16
86	Progressive disease in glioblastoma: Benefits and limitations of semi-automated volumetry. PLoS ONE, 2017, 12, e0173112.	1.1	16
87	Integration of PET-imaging into radiotherapy treatment planning for low-grade meningiomas improves outcome. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 1391-1399.	3.3	15
88	Accelerated 3D whole-brain T1, T2, and proton density mapping: feasibility for clinical glioma MR imaging. Neuroradiology, 2021, 63, 1831-1851.	1.1	15
89	Scale-Space Autoencoders for Unsupervised Anomaly Segmentation in Brain MRI. Lecture Notes in Computer Science, 2020, , 552-561.	1.0	15
90	Deep learning for medical image analysis: a brief introduction. Neuro-Oncology Advances, 2020, 2, iv35-iv41.	0.4	15

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91	SteGANomaly: Inhibiting CycleGAN Steganography for Unsupervised Anomaly Detection in Brain MRI. Lecture Notes in Computer Science, 2020, , 718-727.	1.0	15
92	A PRDX1â€p38Î± heterodimer amplifies METâ€driven invasion of IDHâ€wildtype and IDHâ€mutant gliomas. International Journal of Cancer, 2018, 143, 1176-1187.	2.3	14
93	LAPTM5â€“CD40 Crosstalk in Glioblastoma Invasion and Temozolomide Resistance. Frontiers in Oncology, 2020, 10, 747.	1.3	13
94	Bayesian Skip-Autoencoders for Unsupervised Hyperintense Anomaly Detection in High Resolution Brain Mri. , 2020, , .		12
95	Towards optimizing the sequence of bevacizumab and nitrosoureas in recurrent malignant glioma. Journal of Neuro-Oncology, 2014, 117, 85-92.	1.4	11
96	Midline Meningiomas of the Anterior Skull Base: Surgical Outcomes and a Decision-Making Algorithm for Classic Skull Base Approaches. Cancers, 2020, 12, 3243.	1.7	11
97	Role of postoperative tumor volume in patients with MGMT-unmethylated glioblastoma. Journal of Neuro-Oncology, 2019, 142, 529-536.	1.4	10
98	Immunohistochemically Characterized Intratumoral Heterogeneity Is a Prognostic Marker in Human Glioblastoma. Cancers, 2020, 12, 2964.	1.7	10
99	Intraventricular neuroepithelial tumors: surgical outcome, technical considerations and review of literature. BMC Cancer, 2020, 20, 1060.	1.1	10
100	Correlation of the quantitative level of MGMT promoter methylation and overall survival in primary diagnosed glioblastomas using the quantitative MethyQESD method. Journal of Clinical Pathology, 2020, 73, 112-115.	1.0	10
101	Clinical outcome prediction after thrombectomy of proximal middle cerebral artery occlusions by the appearance of lenticulostriate arteries on magnetic resonance angiography: A retrospective analysis. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1911-1923.	2.4	9
102	Modeling motor task activation from resting-state fMRI using machine learning in individual subjects. Brain Imaging and Behavior, 2021, 15, 122-132.	1.1	9
103	Increasing Diagnostic Accuracy of Mild Cognitive Impairment due to Alzheimerâ€™s Disease by User-Independent, Web-Based Whole-Brain Volumetry. Journal of Alzheimer's Disease, 2018, 65, 1459-1467.	1.2	8
104	Development of Randomized Trials in Adults with Medulloblastomaâ€”The Example of EORTC 1634-BTG/NOA-23. Cancers, 2021, 13, 3451.	1.7	8
105	Visualizing cellularity and angiogenesis in newly-diagnosed glioblastoma with diffusion and perfusion MRI and FET-PET imaging. EJNMMI Research, 2021, 11, 72.	1.1	8
106	Elucidating the structuralâ€“functional connectome of language in gliomaâ€induced aphasia using <scp>nTMS</scp> and <scp>DTI</scp>. Human Brain Mapping, 2022, 43, 1836-1849.	1.9	8
107	Quantitative proteomic landscapes of primary and recurrent glioblastoma reveal a protumorigeneic role for FBXO2-dependent glioma-microenvironment interactions. Neuro-Oncology, 2023, 25, 290-302.	0.6	8
108	Age-adjusted Charlson comorbidity index in recurrent glioblastoma: a new prognostic factor?. BMC Neurology, 2022, 22, 32.	0.8	7

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109	Fractional Anisotropy Correlates with Overall Survival in Glioblastoma. World Neurosurgery, 2016, 95, 525-534.e1.	0.7	6
110	Discrimination of Different Brain Metastases and Primary CNS Lymphomas Using Morphologic Criteria and Diffusion Tensor Imaging. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2016, 188, 1134-1143.	0.7	6
111	Multi-modal Image Classification Using Low-Dimensional Texture Features for Genomic Brain Tumor Recognition. Lecture Notes in Computer Science, 2017, , 201-209.	1.0	6
112	AI in Radiology: Where are we today in Multiple Sclerosis Imaging?. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2020, 192, 847-853.	0.7	6
113	Assessment of the Extent of Resection in Surgery of High-Grade Gliomaâ€"Evaluation of Black Blood Sequences for Intraoperative Magnetic Resonance Imaging at 3 Tesla. Cancers, 2020, 12, 1580.	1.7	6
114	[18F]FET PET Uptake Indicates High Tumor and Low Necrosis Content in Brain Metastasis. Cancers, 2021, 13, 355.	1.7	6
115	Prognostic value of tumour volume in patients with a poor Karnofsky performance status scale â€“ a bicentric retrospective study. BMC Neurology, 2021, 21, 446.	0.8	6
116	Geometry-Aware Neural Solver for Fast Bayesian Calibration of Brain Tumor Models. IEEE Transactions on Medical Imaging, 2022, 41, 1269-1278.	5.4	6
117	Tracking the Corticospinal Tract in Patients With High-Grade Glioma: Clinical Evaluation of Multi-Level Fiber Tracking and Comparison to Conventional Deterministic Approaches. Frontiers in Oncology, 2021, 11, 761169.	1.3	6
118	Impact of tapering and discontinuation of bevacizumab in patients with progressive glioblastoma. Journal of Neuro-Oncology, 2016, 129, 533-539.	1.4	5
119	MRI criteria of subtypes of adenomas and epithelial cysts of the pituitary gland. Neurosurgical Review, 2020, 43, 265-272.	1.2	5
120	Perioperative neurocognitive functions in patients with neuroepithelial intracranial tumors. Journal of Neuro-Oncology, 2020, 147, 77-89.	1.4	5
121	The wavelet power spectrum of perfusion weighted MRI correlates with tumor vascularity in biopsy-proven glioblastoma samples. PLoS ONE, 2020, 15, e0228030.	1.1	5
122	Deep Learning with Synthetic Diffusion MRI Data for Free-Water Elimination in Glioblastoma Cases. Lecture Notes in Computer Science, 2018, , 98-106.	1.0	5
123	A Baseline for Predicting Glioblastoma Patient Survival Time with Classical Statistical Models and Primitive Features Ignoring Image Information. Lecture Notes in Computer Science, 2020, , 254-261.	1.0	5
124	The algorithms of adjuvant therapy in gliomas and their effect on survival. Journal of Neurosurgical Sciences, 2019, 63, 179-186.	0.3	5
125	Modelling glioma progression, mass effect and intracranial pressure in patient anatomy. Journal of the Royal Society Interface, 2022, 19, 20210922.	1.5	5
126	Risk factors for neurocognitive impairment in patients with benign intracranial lesions. Scientific Reports, 2019, 9, 8400.	1.6	4

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127	Image Analysis Reveals Microstructural and Volumetric Differences in Glioblastoma Patients with and without Preoperative Seizures. Cancers, 2020, 12, 994.	1.7	4
128	Automated Pathology Detection and Patient Triage in Routinely Acquired Head Computed Tomography Scans. Investigative Radiology, 2021, 56, 571-578.	3.5	4
129	Gray matter atrophy in relapsing-remitting multiple sclerosis is associated with white matter lesions in connecting fibers. Multiple Sclerosis Journal, 2022, 28, 900-909.	1.4	4
130	Faster and Better: How Anomaly Detection Can Accelerate and Improve Reporting of Head Computed Tomography. Diagnostics, 2022, 12, 452.	1.3	4
131	Robust, Primitive, and Unsupervised Quality Estimation for Segmentation Ensembles. Frontiers in Neuroscience, 2021, 15, 752780.	1.4	4
132	Uncertainty-Aware and Lesion-Specific Image Synthesis in Multiple Sclerosis Magnetic Resonance Imaging: A Multicentric Validation Study. Frontiers in Neuroscience, 2022, 16, 889808.	1.4	4
133	ROAM: Random layer mixup for semiâ€supervised learning in medical images. IET Image Processing, 2022, 16, 2593-2608.	1.4	4
134	Increase in FLAIR Signal of the Fluid Within the Resection Cavity as Early Recurrence Marker: Also Valid for Brain Metastases?. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2016, 189, 63-70.	0.7	3
135	Impact of brain volume and intracranial cerebrospinal fluid volume on the clinical outcome in endovascularly treated stroke patients. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104831.	0.7	3
136	Reinforced Redetection of Landmark in Pre- and Post-operative Brain Scan Using Anatomical Guidance for Image Alignment. Lecture Notes in Computer Science, 2020, , 81-90.	1.0	3
137	FedCostWAvg: A New Averaging forÂBetter Federated Learning. Lecture Notes in Computer Science, 2022, , 383-391.	1.0	3
138	Wavelet-based reconstruction of dynamic susceptibility MR-perfusion: a new method to visualize hypervascular brain tumors. European Radiology, 2019, 29, 2669-2676.	2.3	2
139	Metabolic Parameters Influence Brain Infarction and Outcome after Resection of Brain Metastases. Cancers, 2020, 12, 1127.	1.7	2
140	Automated Detection of Ischemic Stroke and Subsequent Patient Triage in Routinely Acquired Head CT. Clinical Neuroradiology, 2022, 32, 419-426.	1.0	2
141	Reliable Saliency Maps for Weakly-Supervised Localization of Disease Patterns. Lecture Notes in Computer Science, 2020, , 63-72.	1.0	2
142	Impact of time to endovascular reperfusion on outcome differs according to the involvement of the proximal MCA territory. Journal of NeuroInterventional Surgery, 2018, 10, 530-536.	2.0	1
143	CXCR4-Targeted Positron Emission Tomography Imaging of Central Nervous System B-Cell Lymphoma. Blood, 2019, 134, 2900-2900.	0.6	1
144	ANGI-08RADIOGENOMIC rCBV-IMAGING VISUALIZES THE DISTINCT ANGIOGENESIS TRANSCRIPTOME SIGNATURES OF IDH MUTANT AND WILD-TYPE GLIOMAS. Neuro-Oncology, 2015, 17, v42.3-v42.	0.6	0

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145	Personality Traits in Patients with Neuroepithelial Tumors â€“ A Prospective Study. Scientific Reports, 2018, 8, 17055.	1.6	0
146	Unpaired MR Image Homogenisation byÂDisentangled Representations and Its Uncertainty. Lecture Notes in Computer Science, 2021, , 44-53.	1.0	0
147	Postoperative cognitive functions in patients with benign intracranial lesions. Scientific Reports, 2021, 11, 8757.	1.6	0
148	Differential Effects of Fingolimod and Natalizumab on Magnetic Resonance Imaging Measures in Relapsingâ€“Remitting Multiple Sclerosis. Neurotherapeutics, 2021, 18, 2589-2597.	2.1	0
149	Subcortical motor ischemia can be detected by intraoperative MRI within 1Ââ€‹h â€“ A feasibility study. Brain and Spine, 2022, 2, 100862.	0.0	0