

Marion Smits

List of Publications by Year in descending order

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178
papers

12,443
citations

25034

57
h-index

29157

104
g-index

187
all docs

187
docs citations

187
times ranked

15905
citing authors

#	ARTICLE	IF	CITATIONS
1	Recommended implementation of arterial spin-labeled perfusion MRI for clinical applications: A consensus of the ISMRM perfusion study group and the European consortium for ASL in dementia. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 102-116.	3.0	1,663
2	EANO guidelines on the diagnosis and treatment of diffuse gliomas of adulthood. <i>Nature Reviews Clinical Oncology</i> , 2021, 18, 170-186.	27.6	826
3	Fast parallel image registration on CPU and GPU for diagnostic classification of Alzheimer's disease. <i>Frontiers in Neuroinformatics</i> , 2013, 7, 50.	2.5	359
4	Consensus recommendations for a standardized Brain Tumor Imaging Protocol in clinical trials. <i>Neuro-Oncology</i> , 2015, 17, 1188-98.	1.2	346
5	Longitudinal molecular trajectories of diffuse glioma in adults. <i>Nature</i> , 2019, 576, 112-120.	27.8	320
6	External Validation of the Canadian CT Head Rule and the New Orleans Criteria for CT Scanning in Patients With Minor Head Injury. <i>JAMA - Journal of the American Medical Association</i> , 2005, 294, 1519.	7.4	313
7	Motor Recovery and Cortical Reorganization After Mirror Therapy in Chronic Stroke Patients. <i>Neurorehabilitation and Neural Repair</i> , 2011, 25, 223-233.	2.9	290
8	Fiber density asymmetry of the arcuate fasciculus in relation to functional hemispheric language lateralization in both right- and left-handed healthy subjects: A combined fMRI and DTI study. <i>NeuroImage</i> , 2007, 35, 1064-1076.	4.2	271
9	Standardized evaluation of algorithms for computer-aided diagnosis of dementia based on structural MRI: The CADDementia challenge. <i>NeuroImage</i> , 2015, 111, 562-579.	4.2	266
10	The clinical and pathological phenotype of C9ORF72 hexanucleotide repeat expansions. <i>Brain</i> , 2012, 135, 723-735.	7.6	249
11	EANO's ESMO Clinical Practice Guidelines for diagnosis, treatment and follow-up of patients with brain metastasis from solid tumours. <i>Annals of Oncology</i> , 2021, 32, 1332-1347.	1.2	227
12	The impact of surgery in molecularly defined low-grade glioma: an integrated clinical, radiological, and molecular analysis. <i>Neuro-Oncology</i> , 2018, 20, 103-112.	1.2	220
13	A neuroradiologist's guide to arterial spin labeling MRI in clinical practice. <i>Neuroradiology</i> , 2015, 57, 1181-1202.	2.2	216
14	8-week Mindfulness Based Stress Reduction induces brain changes similar to traditional long-term meditation practice – A systematic review. <i>Brain and Cognition</i> , 2016, 108, 32-41.	1.8	215
15	Pseudoprogession of brain tumors. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 571-589.	3.4	199
16	Lateralization of functional magnetic resonance imaging (fMRI) activation in the auditory pathway of patients with lateralized tinnitus. <i>Neuroradiology</i> , 2007, 49, 669-679.	2.2	184
17	Predicting Intracranial Traumatic Findings on Computed Tomography in Patients with Minor Head Injury: The CHIP Prediction Rule. <i>Annals of Internal Medicine</i> , 2007, 146, 397.	3.9	182
18	Glioma progression is shaped by genetic evolution and microenvironment interactions. <i>Cell</i> , 2022, 185, 2184-2199.e16.	28.9	163

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19	Imaging Correlates of Adult Glioma Genotypes. <i>Radiology</i> , 2017, 284, 316-331.	7.3	160
20	Glioma imaging in Europe: A survey of 220 centres and recommendations for best clinical practice. <i>European Radiology</i> , 2018, 28, 3306-3317.	4.5	149
21	Diffuse Infiltrating Oligodendroglioma and Astrocytoma. <i>Journal of Clinical Oncology</i> , 2017, 35, 2394-2401.	1.6	142
22	Survival of diffuse astrocytic glioma, IDH1/2 wildtype, with molecular features of glioblastoma, WHO grade IV: a confirmation of the cIMPACT-NOW criteria. <i>Neuro-Oncology</i> , 2020, 22, 515-523.	1.2	140
23	The T2-FLAIR mismatch sign as an imaging marker for non-enhancing IDH-mutant, 1p/19q-intact lower-grade glioma: a validation study. <i>Neuro-Oncology</i> , 2018, 20, 1393-1399.	1.2	139
24	Primary and Secondary Auditory Cortex Stimulation for Intractable Tinnitus. <i>Orl</i> , 2006, 68, 48-55.	1.1	133
25	Consensus recommendations for a standardized brain tumor imaging protocol for clinical trials in brain metastases. <i>Neuro-Oncology</i> , 2020, 22, 757-772.	1.2	131
26	Clinical Feasibility of a Wearable Mixed-Reality Device in Neurosurgery. <i>World Neurosurgery</i> , 2018, 118, e422-e427.	1.3	129
27	Imaging of oligodendroglioma. <i>British Journal of Radiology</i> , 2016, 89, 20150857.	2.2	126
28	INTELLANCE 2/EORTC 1410 randomized phase II study of Depatux-M alone and with temozolomide vs temozolomide or lomustine in recurrent EGFR amplified glioblastoma. <i>Neuro-Oncology</i> , 2020, 22, 684-693.	1.2	126
29	Microstructural brain injury in post-concussion syndrome after minor head injury. <i>Neuroradiology</i> , 2011, 53, 553-563.	2.2	125
30	Mirror-Induced Visual Illusion of Hand Movements: A Functional Magnetic Resonance Imaging Study. <i>Archives of Physical Medicine and Rehabilitation</i> , 2009, 90, 675-681.	0.9	124
31	Glioma through the looking GLASS: molecular evolution of diffuse gliomas and the Glioma Longitudinal Analysis Consortium. <i>Neuro-Oncology</i> , 2018, 20, 873-884.	1.2	119
32	Consensus recommendations for a dynamic susceptibility contrast MRI protocol for use in high-grade gliomas. <i>Neuro-Oncology</i> , 2020, 22, 1262-1275.	1.2	109
33	The neuronal correlates of mirror therapy: an fMRI study on mirror induced visual illusions in patients with stroke. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011, 82, 393-398.	1.9	107
34	A Sales Forceâ€™Specific Theory-of-Mind Scale: Tests of Its Validity by Classical Methods and Functional Magnetic Resonance Imaging. <i>Journal of Marketing Research</i> , 2009, 46, 653-668.	4.8	106
35	Feature Selection Based on the SVM Weight Vector for Classification of Dementia. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2015, 19, 1617-1626.	6.3	100
36	Long-term evaluation of cognition after glioma surgery in eloquent areas. <i>Journal of Neuro-Oncology</i> , 2014, 116, 153-160.	2.9	98

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37	Postconcussion syndrome after minor head injury: Brain activation of working memory and attention. <i>Human Brain Mapping</i> , 2009, 30, 2789-2803.	3.6	97
38	Neurobiological substrate of smoking-related attentional bias. <i>NeuroImage</i> , 2011, 54, 2374-2381.	4.2	94
39	Incorporating Functional MR Imaging into Diffusion Tensor Tractography in the Preoperative Assessment of the Corticospinal Tract in Patients with Brain Tumors. <i>American Journal of Neuroradiology</i> , 2007, 28, 1354-1361.	2.4	91
40	Individual Differences in Anterior Cingulate Activation Associated with Attentional Bias Predict Cocaine Use After Treatment. <i>Neuropsychopharmacology</i> , 2013, 38, 1085-1093.	5.4	90
41	The RANO Leptomeningeal Metastasis Group proposal to assess response to treatment: lack of feasibility and clinical utility and a revised proposal. <i>Neuro-Oncology</i> , 2019, 21, 648-658.	1.2	90
42	Cognitive functioning early after surgery of gliomas in eloquent areas. <i>Journal of Neurosurgery</i> , 2012, 117, 831-838.	1.6	88
43	Variability of physiological brain perfusion in healthy subjects – A systematic review of modifiers. Considerations for multi-center ASL studies. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1418-1437.	4.3	84
44	Minor Head Injury: CT-based Strategies for Management – A Cost-effectiveness Analysis. <i>Radiology</i> , 2010, 254, 532-540.	7.3	80
45	Diagnostic classification of arterial spin labeling and structural MRI in presenile early stage dementia. <i>Human Brain Mapping</i> , 2014, 35, 4916-4931.	3.6	80
46	Bevacizumab and temozolomide in patients with first recurrence of WHO grade II and III glioma, without 1p/19q co-deletion (TAVAREC): a randomised controlled phase 2 EORTC trial. <i>Lancet Oncology</i> , The, 2018, 19, 1170-1179.	10.7	80
47	Value of MRI in medicine: More than just another test?. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, e14-e25.	3.4	78
48	“Real world” use of a highly reliable imaging sign: “T2-FLAIR mismatch” for identification of IDH mutant astrocytomas. <i>Neuro-Oncology</i> , 2020, 22, 936-943.	1.2	77
49	Minor Head Injury: Guidelines for the Use of CT – A Multicenter Validation Study. <i>Radiology</i> , 2007, 245, 831-838.	7.3	76
50	Inter-rater agreement in glioma segmentations on longitudinal MRI. <i>NeuroImage: Clinical</i> , 2019, 22, 101727.	2.7	75
51	Perfusion MRI in treatment evaluation of glioblastomas: Clinical relevance of current and future techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 11-22.	3.4	75
52	Predicting the 1p/19q Codeletion Status of Presumed Low-Grade Glioma with an Externally Validated Machine Learning Algorithm. <i>Clinical Cancer Research</i> , 2019, 25, 7455-7462.	7.0	70
53	Inter-Vendor Reproducibility of Pseudo-Continuous Arterial Spin Labeling at 3 Tesla. <i>PLoS ONE</i> , 2014, 9, e104108.	2.5	66
54	Multiparametric computer-aided differential diagnosis of Alzheimer’s disease and frontotemporal dementia using structural and advanced MRI. <i>European Radiology</i> , 2017, 27, 3372-3382.	4.5	64

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55	Outcome after Complicated Minor Head Injury. <i>American Journal of Neuroradiology</i> , 2008, 29, 506-513.	2.4	61
56	Early-stage differentiation between presenile Alzheimer's disease and frontotemporal dementia using arterial spin labeling MRI. <i>European Radiology</i> , 2016, 26, 244-253.	4.5	61
57	Validated imaging biomarkers as decision-making tools in clinical trials and routine practice: current status and recommendations from the EIBALL* subcommittee of the European Society of Radiology (ESR). <i>Insights Into Imaging</i> , 2019, 10, 87.	3.4	61
58	Functional Ultrasound (fUS) During Awake Brain Surgery: The Clinical Potential of Intra-Operative Functional and Vascular Brain Mapping. <i>Frontiers in Neuroscience</i> , 2019, 13, 1384.	2.8	61
59	Cerebral small vessel disease affects white matter microstructure in mild cognitive impairment. <i>Human Brain Mapping</i> , 2014, 35, 2836-2851.	3.6	59
60	Diffusion MRI Phenotypes Predict Overall Survival Benefit from Anti-VEGF Monotherapy in Recurrent Glioblastoma: Converging Evidence from Phase II Trials. <i>Clinical Cancer Research</i> , 2017, 23, 5745-5756.	7.0	53
61	Incorporating radiomics into clinical trials: expert consensus endorsed by the European Society of Radiology on considerations for data-driven compared to biologically driven quantitative biomarkers. <i>European Radiology</i> , 2021, 31, 6001-6012.	4.5	53
62	The role of dopamine in inhibitory control in smokers and non-smokers: A pharmacological fMRI study. <i>European Neuropsychopharmacology</i> , 2013, 23, 1247-1256.	0.7	52
63	Dementia imaging in clinical practice: a European-wide survey of 193 centres and conclusions by the ESNR working group. <i>Neuroradiology</i> , 2019, 61, 633-642.	2.2	50
64	The impact of bevacizumab on health-related quality of life in patients treated for recurrent glioblastoma: Results of the randomised controlled phase 2 BELOB trial. <i>European Journal of Cancer</i> , 2015, 51, 1321-1330.	2.8	45
65	Functional MR Imaging of Language Processing: An Overview of Easy-to-Implement Paradigms for Patient Care and Clinical Research. <i>Radiographics</i> , 2006, 26, S145-S158.	3.3	44
66	Sentential Context Modulates the Involvement of the Motor Cortex in Action Language Processing: An fMRI Study. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 100.	2.0	44
67	Cross-cohort generalizability of deep and conventional machine learning for MRI-based diagnosis and prediction of Alzheimer's disease. <i>NeuroImage: Clinical</i> , 2021, 31, 102712.	2.7	42
68	MRI biomarkers in neuro-oncology. <i>Nature Reviews Neurology</i> , 2021, 17, 486-500.	10.1	40
69	Activation of Cortical and Subcortical Auditory Structures at 3 T by Means of a Functional Magnetic Resonance Imaging Paradigm Suitable for Clinical Use. <i>Investigative Radiology</i> , 2006, 41, 87-96.	6.2	37
70	Spontaneous speech of patients with gliomas in eloquent areas before and early after surgery. <i>Acta Neurochirurgica</i> , 2013, 155, 685-692.	1.7	36
71	The influence of cerebral small vessel disease on default mode network deactivation in mild cognitive impairment. <i>NeuroImage: Clinical</i> , 2013, 2, 33-42.	2.7	36
72	White Matter Tracts of Speech and Language. <i>Seminars in Ultrasound, CT and MRI</i> , 2014, 35, 504-516.	1.5	36

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73	Association Between Supratotal Glioblastoma Resection and Patient Survival: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2019, 127, 617-624.e2.	1.3	36
74	Cortical and cerebellar activation induced by reflexive and voluntary saccades. <i>Experimental Brain Research</i> , 2009, 192, 175-187.	1.5	34
75	Comparison of 2D (RANO) and volumetric methods for assessment of recurrent glioblastoma treated with bevacizumab—a report from the BELOB trial. <i>Neuro-Oncology</i> , 2017, 19, 853-861.	1.2	34
76	Combined molecular subtyping, grading, and segmentation of glioma using multi-task deep learning. <i>Neuro-Oncology</i> , 2023, 25, 279-289.	1.2	34
77	Brain Activation Associated with Attentional Bias in Smokers is Modulated by a Dopamine Antagonist. <i>Neuropsychopharmacology</i> , 2012, 37, 2772-2779.	5.4	33
78	The anterior cingulate cortex responds differently to the validity and valence of feedback in a time-estimation task. <i>NeuroImage</i> , 2011, 56, 2321-2328.	4.2	29
79	Structural Neuroimaging in Aging and Alzheimer's Disease. <i>Neuroimaging Clinics of North America</i> , 2012, 22, 33-55.	1.0	29
80	The effect of hippocampal function, volume and connectivity on posterior cingulate cortex functioning during episodic memory fMRI in mild cognitive impairment. <i>European Radiology</i> , 2017, 27, 3716-3724.	4.5	28
81	Neonatal critical illness and development: white matter and hippocampus alterations in school-age neonatal extracorporeal membrane oxygenation survivors. <i>Developmental Medicine and Child Neurology</i> , 2017, 59, 304-310.	2.1	28
82	A history of loss of consciousness or post-traumatic amnesia in minor head injury: "conditio sine qua non" or one of the risk factors?. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2007, 78, 1359-1364.	1.9	27
83	Neuro4Neuro: A neural network approach for neural tract segmentation using large-scale population-based diffusion imaging. <i>NeuroImage</i> , 2020, 218, 116993.	4.2	26
84	Crossed Cerebrocerebellar Language Lateralization: An Additional Diagnostic Feature for Assessing Atypical Language Representation in Presurgical Functional MR Imaging. <i>American Journal of Neuroradiology</i> , 2015, 36, 518-524.	2.4	25
85	Automatic normative quantification of brain tissue volume to support the diagnosis of dementia: A clinical evaluation of diagnostic accuracy. <i>NeuroImage: Clinical</i> , 2018, 20, 374-379.	2.7	25
86	Cerebellar Contributions to the Processing of Saccadic Errors. <i>Cerebellum</i> , 2009, 8, 403-415.	2.5	24
87	Spontaneous speech in patients with gliomas in eloquent areas: Evaluation until 1 year after surgery. <i>Clinical Neurology and Neurosurgery</i> , 2018, 167, 112-116.	1.4	23
88	The Association Between the Extent of Glioblastoma Resection and Survival in Light of MGMT Promoter Methylation in 326 Patients With Newly Diagnosed IDH-Wildtype Glioblastoma. <i>Frontiers in Oncology</i> , 2020, 10, 1087.	2.8	22
89	Intraoperative B-Mode Ultrasound Guided Surgery and the Extent of Glioblastoma Resection: A Randomized Controlled Trial. <i>Frontiers in Oncology</i> , 2021, 11, 649797.	2.8	22
90	Neurobiologic Correlates of Attention and Memory Deficits Following Critical Illness in Early Life*. <i>Critical Care Medicine</i> , 2017, 45, 1742-1750.	0.9	21

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91	Advanced Magnetic Resonance Neuroimaging of Language Function Recovery After Aphasic Stroke: A Technical Review. Archives of Physical Medicine and Rehabilitation, 2012, 93, S4-S14.	0.9	20
92	Functional connectivity and microstructural white matter changes in phenocopy frontotemporal dementia. European Radiology, 2017, 27, 1352-1360.	4.5	20
93	Effects of systematic partial volume errors on the estimation of gray matter cerebral blood flow with arterial spin labeling MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2018, 31, 725-734.	2.0	20
94	Quantitative Functional Arterial Spin Labeling (fASL) MRI – Sensitivity and Reproducibility of Regional CBF Changes Using Pseudo-Continuous ASL Product Sequences. PLoS ONE, 2015, 10, e0132929.	2.5	20
95	A 3 T event-related functional magnetic resonance imaging (fMRI) study of primary and secondary gustatory cortex localization using natural tastants. Neuroradiology, 2007, 49, 61-71.	2.2	19
96	Recommended implementation of arterial spin-labeled perfusion MRI for clinical applications: A consensus of the ISMRM perfusion study group and the European consortium for ASL in dementia. Magnetic Resonance in Medicine, 2015, 73, spcone.	3.0	19
97	Changes in language white matter tract microarchitecture associated with cognitive deficits in patients with presumed low-grade glioma. Journal of Neurosurgery, 2019, 130, 1538-1546.	1.6	19
98	From research to clinical practice: a European neuroradiological survey on quantitative advanced MRI implementation. European Radiology, 2021, 31, 6334-6341.	4.5	19
99	Structural and functional brain abnormalities place phenocopy frontotemporal dementia (FTD) in the FTD spectrum. NeuroImage: Clinical, 2016, 11, 595-605.	2.7	18
100	Repeatability and reproducibility of relative cerebral blood volume measurement of recurrent glioma in a multicentre trial setting. European Journal of Cancer, 2019, 114, 89-96.	2.8	18
101	Brain metastases: the role of clinical imaging. British Journal of Radiology, 2022, 95, 20210944.	2.2	18
102	Prospective validation of a new imaging scorecard to assess leptomeningeal metastasis: A joint EORTC BTG and RANO effort. Neuro-Oncology, 2022, 24, 1726-1735.	1.2	18
103	A systematic review and meta-analysis on the differentiation of glioma grade and mutational status by use of perfusion-based magnetic resonance imaging. Insights Into Imaging, 2022, 13, .	3.4	17
104	Remedial action and feedback processing in a time-estimation task: Evidence for a role of the rostral cingulate zone in behavioral adjustments without learning. NeuroImage, 2011, 54, 447-454.	4.2	16
105	Concurrent white and gray matter degeneration of disease-specific networks in early-stage Alzheimer's disease and behavioral variant frontotemporal dementia. Neurobiology of Aging, 2016, 43, 119-128.	3.1	16
106	Prediction of intracranial findings on CT-scans by alternative modelling techniques. BMC Medical Research Methodology, 2011, 11, 143.	3.1	15
107	Out-of-Body Experience During Awake Craniotomy. World Neurosurgery, 2016, 92, 586.e9-586.e13.	1.3	15
108	Change in Right Inferior Longitudinal Fasciculus Integrity Is Associated With Naming Recovery in Subacute Poststroke Aphasia. Neurorehabilitation and Neural Repair, 2020, 34, 784-794.	2.9	15

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109	Accelerated 3D whole-brain T1, T2, and proton density mapping: feasibility for clinical glioma MR imaging. <i>Neuroradiology</i> , 2021, 63, 1831-1851.	2.2	15
110	fMRI of Optokinetic Eye Movements With and Without a Contribution of Smooth Pursuit. <i>Journal of Neuroimaging</i> , 2008, 18, 158-167.	2.0	14
111	Differences between smooth pursuit and optokinetic eye movements using limited lifetime dot stimulation: a functional magnetic resonance imaging study. <i>Clinical Physiology and Functional Imaging</i> , 2009, 29, 245-254.	1.2	14
112	Differential Hemispheric Predilection of Microstructural White Matter and Functional Connectivity Abnormalities between Respectively Semantic and Behavioral Variant Frontotemporal Dementia. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 789-804.	2.6	13
113	Topographical Mapping of 436 Newly Diagnosed IDH Wildtype Glioblastoma With vs. Without MGMT Promoter Methylation. <i>Frontiers in Oncology</i> , 2020, 10, 596.	2.8	13
114	Mapping tumour heterogeneity with pulsed 3D CEST MRI in non-enhancing glioma at 3T. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 53-62.	2.0	13
115	The Erasmus Glioma Database (EGD): Structural MRI scans, WHO 2016 subtypes, and segmentations of 774 patients with glioma. <i>Data in Brief</i> , 2021, 37, 107191.	1.0	13
116	An interdisciplinary consensus on the management of brain metastases in patients with renal cell carcinoma. <i>Ca-A Cancer Journal for Clinicians</i> , 2022, 72, 454-489.	329.8	13
117	An fMRI study on smooth pursuit and fixation suppression of the optokinetic reflex using similar visual stimulation. <i>Experimental Brain Research</i> , 2008, 185, 535-544.	1.5	12
118	Cerebellar Activation Related to Saccadic Inaccuracies. <i>Cerebellum</i> , 2013, 12, 224-235.	2.5	12
119	Feature Selection Based on SVM Significance Maps for Classification of Dementia. <i>Lecture Notes in Computer Science</i> , 2014, , 272-279.	1.3	12
120	Insight into the neurophysiological processes of melodically intoned language with functional MRI. <i>Brain and Behavior</i> , 2014, 4, 615-625.	2.2	12
121	Language lateralisation after Melodic Intonation Therapy: an fMRI study in subacute and chronic aphasia. <i>Aphasiology</i> , 2018, 32, 765-783.	2.2	12
122	iGLASS: imaging integration into the Glioma Longitudinal Analysis Consortium. <i>Neuro-Oncology</i> , 2020, 22, 1545-1546.	1.2	12
123	DeepDicomSort: An Automatic Sorting Algorithm for Brain Magnetic Resonance Imaging Data. <i>Neuroinformatics</i> , 2021, 19, 159-184.	2.8	12
124	GliMR: Cross-Border Collaborations to Promote Advanced MRI Biomarkers for Glioma. <i>Journal of Medical and Biological Engineering</i> , 2021, 41, 115-125.	1.8	12
125	A Case Study of Melodic Intonation Therapy (MIT) in the Subacute Stage of Aphasia: Early Re-activation of Left Hemisphere Structures. <i>Procedia, Social and Behavioral Sciences</i> , 2010, 6, 241-243.	0.5	11
126	Magnetic Resonance Imaging-Based Assessment of Gadolinium-Conjugated Diethylenetriamine Penta-Acetic Acid Test-Infusion in Detecting Dysfunction of Convection-Enhanced Delivery Catheters. <i>World Neurosurgery</i> , 2016, 89, 272-279.	1.3	11

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127	The Impacts of Tumor and Tumor Associated Epilepsy on Subcortical Brain Structures and Long Distance Connectivity in Patients With Low Grade Glioma. <i>Frontiers in Neurology</i> , 2018, 9, 1004.	2.4	11
128	Training-induced white matter microstructure changes in survivors of neonatal critical illness: A randomized controlled trial. <i>Developmental Cognitive Neuroscience</i> , 2019, 38, 100678.	4.0	11
129	Impact of the COVID-19 crisis on imaging in oncological trials. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 2054-2058.	6.4	11
130	Update on neuroimaging in brain tumours. <i>Current Opinion in Neurology</i> , 2021, 34, 497-504.	3.6	11
131	Neurophysiological correlates of anhedonia in feedback processing. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 96.	2.0	10
132	Twenty Years On: RECIST as a Biomarker of Response in Solid Tumours an EORTC Imaging Group â€“ ESOI Joint Paper. <i>Frontiers in Oncology</i> , 2021, 11, 800547.	2.8	10
133	Reproducibility of pharmacological ASL using sequences from different vendors: implications for multicenter drug studies. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2015, 28, 427-436.	2.0	9
134	Aortic stiffness and brain integrity in elderly patients with cognitive and functional complaints. <i>Clinical Interventions in Aging</i> , 2018, Volume 13, 2161-2167.	2.9	9
135	Differences in spatial distribution between WHO 2016 low-grade glioma molecular subgroups. <i>Neuro-Oncology Advances</i> , 2019, 1, vdz001.	0.7	9
136	Clinical practice of language fMRI in epilepsy centers: a European survey and conclusions by the ESNR Epilepsy Working Group. <i>Neuroradiology</i> , 2020, 62, 549-562.	2.2	9
137	Neurocognitive functioning and radiologic changes in primary CNS lymphoma patients: results from the HOVON 105/ALLG NHL 24 randomized controlled trial. <i>Neuro-Oncology</i> , 2021, 23, 1315-1326.	1.2	9
138	Effect of Applying Leakage Correction on rCBV Measurement Derived From DSC-MRI in Enhancing and Nonenhancing Glioma. <i>Frontiers in Oncology</i> , 2021, 11, 648528.	2.8	9
139	Final results of the EORTC Brain Tumor Group randomized phase II TAVAREC trial on temozolomide with or without bevacizumab in 1st recurrence grade II/III glioma without 1p/19q co-deletion.. <i>Journal of Clinical Oncology</i> , 2017, 35, 2009-2009.	1.6	8
140	Noninvasive differentiation of molecular subtypes of adult nonenhancing glioma using MRI perfusion and diffusion parameters. <i>Neuro-Oncology Advances</i> , 2022, 4, vdac023.	0.7	8
141	Qualitative agreement and diagnostic performance of arterial spin labelling MRI and FDG PET-CT in suspected early-stage dementia. <i>Clinical Imaging</i> , 2017, 45, 1-7.	1.5	7
142	Perfusion imaging with arterial spin labeling (ASL)â€“MRI predicts malignant progression in lowâ€“grade (WHO grade II) gliomas. <i>Neuroradiology</i> , 2021, 63, 2023-2033.	2.2	7
143	Extent of radiological response does not reflect survival in primary central nervous system lymphoma. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab007.	0.7	7
144	3D APT and NOE CEST-MRI of healthy volunteers and patients with non-enhancing glioma at 3ÂˆT. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 63-73.	2.0	7

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145	Comparing two artificial intelligence software packages for normative brain volumetry in memory clinic imaging. <i>Neuroradiology</i> , 2022, 64, 1359-1366.	2.2	7
146	Development and external validation of a clinical prediction model for survival in patients with IDH wild-type glioblastoma. <i>Journal of Neurosurgery</i> , 2022, 137, 914-923.	1.6	7
147	Grapheme-color synesthesia interferes with color perception in a standard Stroop task. <i>Neuroscience</i> , 2014, 258, 246-253.	2.3	6
148	Exploring new landmarks: analysis of Twitter usage during the 41st ESNR Annual Meeting. <i>Neuroradiology</i> , 2019, 61, 621-626.	2.2	6
149	Diagnostic Accuracy of Arterial Spin Labeling in Comparison With Dynamic Susceptibility Contrast-Enhanced Perfusion for Brain Tumor Surveillance at 3T MRI. <i>Frontiers in Oncology</i> , 0, 12, .	2.8	6
150	Differential Effects of Awake Glioma Surgery in "Critical" Language Areas on Cognition: 4 Case Studies. <i>Case Reports in Neurological Medicine</i> , 2017, 2017, 1-10.	0.4	5
151	Exploring quantitative group-wise differentiation of Alzheimer's disease and behavioural variant frontotemporal dementia using tract-specific microstructural white matter and functional connectivity measures at multiple time points. <i>European Radiology</i> , 2019, 29, 5148-5159.	4.5	5
152	Letter to the Editor. Supratotal resection of glioblastoma. <i>Journal of Neurosurgery</i> , 2020, 132, 980-982.	1.6	5
153	Comment on Dr. Folmer's letter to the editor entitled "Lateralization of neural activity associated with tinnitus". <i>Neuroradiology</i> , 2007, 49, 693-696.	2.2	4
154	Qualitative Assessment of Longitudinal Changes in Phenocopy Frontotemporal Dementia. <i>Frontiers in Neurology</i> , 2019, 10, 1207.	2.4	4
155	Alternative language paradigms for functional magnetic resonance imaging as presurgical tools for inducing crossed cerebro-cerebellar language activations in brain tumor patients. <i>European Radiology</i> , 2022, 32, 300-307.	4.5	4
156	EASE: Clinical Implementation of Automated Tumor Segmentation and Volume Quantification for Adult Low-Grade Glioma. <i>Frontiers in Medicine</i> , 2021, 8, 738425.	2.6	4
157	Delayed life-threatening subdural hematoma after minor head injury in a patient with severe coagulopathy: a case report. <i>Cases Journal</i> , 2009, 2, 7587.	0.4	3
158	Feedback processing in schizophrenia: Effects of affective value and remedial action. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 108-114.	1.8	3
159	Imaging of Brain Metastases: Diagnosis and Monitoring. , 2020, , 145-158.		3
160	Dependency of R ₂ and R ₂ * relaxation on Gd-DTPA concentration in arterial blood: Influence of hematocrit and magnetic field strength. <i>NMR in Biomedicine</i> , 2021, , e4653.	2.8	3
161	Resting-State Electroencephalography Functional Connectivity Networks Relate to Pre- and Postoperative Language Functioning in Low-Grade Glioma and Meningioma Patients. <i>Frontiers in Neuroscience</i> , 2021, 15, 785969.	2.8	3
162	Letters to the Editor. <i>Journal of Trauma</i> , 2007, 62, 1314-1315.	2.3	2

#	ARTICLE	IF	CITATIONS
163	The impact of the Covid-19 pandemic on adult diagnostic neuroradiology in Europe. <i>Neuroradiology</i> , 2022, 64, 31-42.	2.2	2
164	Distinct Slow-Wave Activity Patterns in Resting-State Electroencephalography and Their Relation to Language Functioning in Low-Grade Glioma and Meningioma Patients. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 748128.	2.0	2
165	Functional Magnetic Resonance Imaging to Determine Hemispheric Language Dominance Prior to Carotid Endarterectomy. , 2011, 21, e162-e165.		1
166	Increased rCBV in status epilepticus. <i>Journal of Neurology</i> , 2012, 259, 1746-1748.	3.6	1
167	Decreased Relative Contribution to Language Processing of the Right Hemisphere after Language Therapy Assessed with fMRI in Chronic Aphasia Patients. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 61, 20-21.	0.5	1
168	Response to Letter to Editor. <i>Neuro-Oncology</i> , 2020, 22, 1706-1707.	1.2	1
169	Micro- to macroscale magnetic resonance imaging of glioma. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 1.	2.0	1
170	The impact of different volumetric thresholds to determine progressive disease in patients with recurrent glioblastoma treated with bevacizumab. <i>Neuro-Oncology Advances</i> , 2022, 4, vdac032.	0.7	1
171	Increased left amygdala activation to feedback stimuli in recent-onset schizophrenia. <i>International Journal of Psychophysiology</i> , 2008, 69, 227.	1.0	0
172	OS9.4 The added value of radiomics to a clinical prognostic model in patients with low-grade glioma. <i>Neuro-Oncology</i> , 2019, 21, iii19-iii19.	1.2	0
173	P09.03 Fully integrating functional Ultrasound (fUS) into the onco-neurosurgical operating room: Towards a new real-time, high-resolution image-guided resection tool with multimodal potential. <i>Neuro-Oncology</i> , 2021, 23, ii26-ii27.	1.2	0
174	P14.31 Between hospital variation in timings to multidisciplinary glioblastoma care in the Dutch Brain Tumor Registry. <i>Neuro-Oncology</i> , 2021, 23, ii44-ii44.	1.2	0
175	P14.40 Trends in distribution of glioblastoma care and patient's travel distance; results from the Dutch Brain Tumor Registry. <i>Neuro-Oncology</i> , 2021, 23, ii46-ii46.	1.2	0
176	The Path Forward: The Standardized Brain Tumor Imaging Protocol (BTIP) for Multicenter Trials. , 2020, , 267-282.		0
177	ITVT-10. Using functional Ultrasound (fUS) for real-time, depth-resolved functional and vascular delineation of brain tumors with micrometer-millisecond precision. <i>Neuro-Oncology</i> , 2021, 23, vi230-vi230.	1.2	0
178	Use of Neuroimaging Techniques in Glioma Patients – Results of an International Survey on behalf of the EORTC Brain Tumor Group. <i>Nuklearmedizin - NuclearMedicine</i> , 2022, 61, .	0.7	0