

Whitney B Pope

List of Publications by Year in descending order

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167
papers

10,434
citations

29994

54
h-index

34900

98
g-index

167
all docs

167
docs citations

167
times ranked

10833
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunotherapy response assessment in neuro-oncology: a report of the RANO working group. <i>Lancet Oncology</i> , The, 2015, 16, e534-e542.	5.1	582
2	Response Assessment in Neuro-Oncology working group and European Association for Neuro-Oncology recommendations for the clinical use of PET imaging in gliomas. <i>Neuro-Oncology</i> , 2016, 18, 1199-1208.	0.6	566
3	Evidence for Sequenced Molecular Evolution of <i>IDH1</i> Mutant Glioblastoma From a Distinct Cell of Origin. <i>Journal of Clinical Oncology</i> , 2011, 29, 4482-4490.	0.8	420
4	Phase II Study of Bevacizumab Plus Temozolomide During and After Radiation Therapy for Patients With Newly Diagnosed Glioblastoma Multiforme. <i>Journal of Clinical Oncology</i> , 2011, 29, 142-148.	0.8	418
5	Predicting Treatment Response of Malignant Gliomas to Bevacizumab and Irinotecan by Imaging Proliferation With [¹⁸ F] Fluorothymidine Positron Emission Tomography: A Pilot Study. <i>Journal of Clinical Oncology</i> , 2007, 25, 4714-4721.	0.8	400
6	Consensus recommendations for a standardized Brain Tumor Imaging Protocol in clinical trials. <i>Neuro-Oncology</i> , 2015, 17, 1188-98.	0.6	346
7	Recurrent Glioblastoma Multiforme: ADC Histogram Analysis Predicts Response to Bevacizumab Treatment. <i>Radiology</i> , 2009, 252, 182-189.	3.6	317
8	MR imaging correlates of survival in patients with high-grade gliomas. <i>American Journal of Neuroradiology</i> , 2005, 26, 2466-74.	1.2	315
9	¹⁸ F-FDOPA PET imaging of brain tumors: comparison study with ¹⁸ F-FDG PET and evaluation of diagnostic accuracy. <i>Journal of Nuclear Medicine</i> , 2006, 47, 904-11.	2.8	293
10	Non-invasive detection of 2-hydroxyglutarate and other metabolites in IDH1 mutant glioma patients using magnetic resonance spectroscopy. <i>Journal of Neuro-Oncology</i> , 2012, 107, 197-205.	1.4	280
11	Multi-delay multi-parametric arterial spin-labeled perfusion MRI in acute ischemic stroke – Comparison with dynamic susceptibility contrast perfusion imaging. <i>NeuroImage: Clinical</i> , 2013, 3, 1-7.	1.4	180
12	Phase II Pilot Study of Bevacizumab in Combination with Temozolomide and Regional Radiation Therapy for Up-Front Treatment of Patients With Newly Diagnosed Glioblastoma Multiforme: Interim Analysis of Safety and Tolerability. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 1372-1380.	0.4	169
13	Pseudoprogression, radionecrosis, inflammation or true tumor progression? challenges associated with glioblastoma response assessment in an evolving therapeutic landscape. <i>Journal of Neuro-Oncology</i> , 2017, 134, 495-504.	1.4	160
14	The Value of Arterial Spin-Labeled Perfusion Imaging in Acute Ischemic Stroke. <i>Stroke</i> , 2012, 43, 1018-1024.	1.0	151
15	Recurrent Glioblastoma Treated with Bevacizumab: Contrast-enhanced T1-weighted Subtraction Maps Improve Tumor Delineation and Aid Prediction of Survival in a Multicenter Clinical Trial. <i>Radiology</i> , 2014, 271, 200-210.	3.6	150
16	Apparent diffusion coefficient histogram analysis stratifies progression-free and overall survival in patients with recurrent GBM treated with bevacizumab: a multi-center study. <i>Journal of Neuro-Oncology</i> , 2012, 108, 491-498.	1.4	149
17	Relationship between Gene Expression and Enhancement in Glioblastoma Multiforme: Exploratory DNA Microarray Analysis. <i>Radiology</i> , 2008, 249, 268-277.	3.6	146
18	From the clinician's point of view - What is the status quo of positron emission tomography in patients with brain tumors?. <i>Neuro-Oncology</i> , 2015, 17, 1434-1444.	0.6	144

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19	PET imaging in patients with brain metastasis—report of the RANO/PET group. <i>Neuro-Oncology</i> , 2019, 21, 585-595.	0.6	139
20	Anatomic localization of O6-methylguanine DNA methyltransferase (MGMT) promoter methylated and unmethylated tumors: A radiographic study in 358 de novo human glioblastomas. <i>NeuroImage</i> , 2012, 59, 908-916.	2.1	128
21	Brain metastases: neuroimaging. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 149, 89-112.	1.0	123
22	¹⁸ F-Deoxy- ³ - ¹⁸ F-Fluorothymidine PET and MRI for Early Survival Predictions in Patients with Recurrent Malignant Glioma Treated with Bevacizumab. <i>Journal of Nuclear Medicine</i> , 2012, 53, 29-36.	2.8	122
23	Perfusion and diffusion MRI signatures in histologic and genetic subtypes of WHO grade III diffuse gliomas. <i>Journal of Neuro-Oncology</i> , 2017, 134, 177-188.	1.4	118
24	Treatment Response Evaluation Using ¹⁸ F-FDOPA PET in Patients with Recurrent Malignant Glioma on Bevacizumab Therapy. <i>Clinical Cancer Research</i> , 2014, 20, 3550-3559.	3.2	115
25	Relationship between Survival and Edema in Malignant Gliomas: Role of Vascular Endothelial Growth Factor and Neuronal Pentraxin 2. <i>Clinical Cancer Research</i> , 2007, 13, 2592-2598.	3.2	108
26	¹⁸ F-FDOPA PET/MRI fusion in patients with primary/recurrent gliomas: Initial experience. <i>European Journal of Radiology</i> , 2009, 71, 242-248.	1.2	103
27	Time course of imaging changes of GBM during extended bevacizumab treatment. <i>Journal of Neuro-Oncology</i> , 2008, 88, 339-347.	1.4	101
28	The use of amino acid PET and conventional MRI for monitoring of brain tumor therapy. <i>NeuroImage: Clinical</i> , 2017, 13, 386-394.	1.4	101
29	¹⁸ F-FDOPA and ¹⁸ F-FLT positron emission tomography parametric response maps predict response in recurrent malignant gliomas treated with bevacizumab. <i>Neuro-Oncology</i> , 2012, 14, 1079-1089.	0.6	99
30	Advances in MRI Assessment of Gliomas and Response to Anti-VEGF Therapy. <i>Current Neurology and Neuroscience Reports</i> , 2011, 11, 336-344.	2.0	98
31	Microtubule-Associated Protein Tau Is Hyperphosphorylated during Mitosis in the Human Neuroblastoma Cell Line SH-SY5Y. <i>Experimental Neurology</i> , 1994, 126, 185-194.	2.0	97
32	Combined analysis of O6-methylguanine-DNA methyltransferase protein expression and promoter methylation provides optimized prognostication of glioblastoma outcome. <i>Neuro-Oncology</i> , 2013, 15, 370-381.	0.6	97
33	pH-weighted molecular imaging of gliomas using amine chemical exchange saturation transfer MRI. <i>Neuro-Oncology</i> , 2015, 17, 1514-1524.	0.6	96
34	Quantitative volumetric analysis of conventional MRI response in recurrent glioblastoma treated with bevacizumab. <i>Neuro-Oncology</i> , 2011, 13, 401-409.	0.6	95
35	Altered functional connectivity of the default mode network in diffuse gliomas measured with pseudo-resting state fMRI. <i>Journal of Neuro-Oncology</i> , 2014, 116, 373-379.	1.4	95
36	Engagement of Fusiform Cortex and Disengagement of Lateral Occipital Cortex in the Acquisition of Radiological Expertise. <i>Cerebral Cortex</i> , 2009, 19, 2746-2754.	1.6	94

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37	Imaging challenges of immunotherapy and targeted therapy in patients with brain metastases: response, progression, and pseudoprogression. <i>Neuro-Oncology</i> , 2020, 22, 17-30.	0.6	94
38	Identifying the mesenchymal molecular subtype of glioblastoma using quantitative volumetric analysis of anatomic magnetic resonance images. <i>Neuro-Oncology</i> , 2013, 15, 626-634.	0.6	91
39	Stem cell associated gene expression in glioblastoma multiforme: relationship to survival and the subventricular zone. <i>Journal of Neuro-Oncology</i> , 2010, 96, 359-367.	1.4	86
40	Safety of anticoagulation use and bevacizumab in patients with glioma. <i>Neuro-Oncology</i> , 2008, 10, 355-360.	0.6	85
41	Increased sensitivity to radiochemotherapy in IDH1 mutant glioblastoma as demonstrated by serial quantitative MR volumetry. <i>Neuro-Oncology</i> , 2014, 16, 414-420.	0.6	82
42	Longitudinal DSC-MRI for Distinguishing Tumor Recurrence From Pseudoprogression in Patients With a High-grade Glioma. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2017, 40, 228-234.	0.6	77
43	Functional diffusion maps (fDMs) evaluated before and after radiochemotherapy predict progression-free and overall survival in newly diagnosed glioblastoma. <i>Neuro-Oncology</i> , 2012, 14, 333-343.	0.6	74
44	NIMG-24HIGH SPATIOTEMPORAL DYNAMIC SUSCEPTIBILITY CONTRAST (DSC) PERFUSION MRI USING MULTIBAND ECHOPLANAR IMAGING (MB-EPI). <i>Neuro-Oncology</i> , 2015, 17, v158.4-v159.	0.6	70
45	Graded functional diffusion map-defined characteristics of apparent diffusion coefficients predict overall survival in recurrent glioblastoma treated with bevacizumab. <i>Neuro-Oncology</i> , 2011, 13, 1151-1161.	0.6	69
46	Comparison between intensity normalization techniques for dynamic susceptibility contrast (DSC)â€MRI estimates of cerebral blood volume (CBV) in human gliomas. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 1472-1477.	1.9	68
47	Baseline pretreatment contrast enhancing tumor volume including central necrosis is a prognostic factor in recurrent glioblastoma: evidence from single and multicenter trials. <i>Neuro-Oncology</i> , 2017, 19, 89-98.	0.6	68
48	Quantification of edema reduction using differential quantitative T2 (DQT2) relaxometry mapping in recurrent glioblastoma treated with bevacizumab. <i>Journal of Neuro-Oncology</i> , 2012, 106, 111-119.	1.4	67
49	Blood-Labyrinth Barrier Permeability in MeniÃˆre Disease and Idiopathic Sudden Sensorineural Hearing Loss: Findings on Delayed Postcontrast 3D-FLAIR MRI. <i>American Journal of Neuroradiology</i> , 2016, 37, 1903-1908.	1.2	67
50	Physiologic MRI for assessment of response to therapy and prognosis in glioblastoma. <i>Neuro-Oncology</i> , 2016, 18, 467-478.	0.6	67
51	Recent developments and future directions in adult lower-grade gliomas: Society for Neuro-Oncology (SNO) and European Association of Neuro-Oncology (EANO) consensus. <i>Neuro-Oncology</i> , 2019, 21, 837-853.	0.6	66
52	Validation of postoperative residual contrast-enhancing tumor volume as an independent prognostic factor for overall survival in newly diagnosed glioblastoma. <i>Neuro-Oncology</i> , 2018, 20, 1240-1250.	0.6	64
53	Conventional and advanced magnetic resonance imaging in patients with high-grade glioma. <i>Quarterly Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 62, 239-253.	0.4	63
54	The Impact of T2/FLAIR Evaluation per RANO Criteria on Response Assessment of Recurrent Glioblastoma Patients Treated with Bevacizumab. <i>Clinical Cancer Research</i> , 2016, 22, 575-581.	3.2	62

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55	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.	3.2	53
56	Supraaortic Arteries: Contrast-enhanced MR Angiography at 3.0 Tâ€”Highly Accelerated Parallel Acquisition for Improved Spatial Resolution over an Extended Field of View. <i>Radiology</i> , 2007, 242, 600-609.	3.6	52
57	Simulation, phantom validation, and clinical evaluation of fast pHâ€”weighted molecular imaging using amine chemical exchange saturation transfer echo planar imaging (CESTâ€”EPI) in glioma at 3â€”T. <i>NMR in Biomedicine</i> , 2016, 29, 1563-1576.	1.6	51
58	High Spatial-Resolution CE-MRA of the Carotid Circulation With Parallel Imaging. <i>Investigative Radiology</i> , 2006, 41, 391-399.	3.5	49
59	Deferred use of bevacizumab for recurrent glioblastoma is not associated with diminished efficacy. <i>Neuro-Oncology</i> , 2014, 16, 815-822.	0.6	49
60	Contrastâ€”enhancing tumor growth dynamics of preoperative, treatmentâ€”naive human glioblastoma. <i>Cancer</i> , 2016, 122, 1718-1727.	2.0	47
61	Glioblastoma Utilizes Fatty Acids and Ketone Bodies for Growth Allowing Progression during Ketogenic Diet Therapy. <i>iScience</i> , 2020, 23, 101453.	1.9	47
62	Phosphorylated Tau Epitope of Alzheimer's Disease Is Coupled to Axon Development in the Avian Central Nervous System. <i>Experimental Neurology</i> , 1993, 120, 106-113.	2.0	45
63	Regional and Voxelâ€”wise Comparisons of Blood Flow Measurements Between Dynamic Susceptibility Contrast Magnetic Resonance Imaging (DSCâ€”MRI) and Arterial Spin Labeling (ASL) in Brain Tumors. <i>Journal of Neuroimaging</i> , 2014, 24, 23-30.	1.0	45
64	Phase 2 Study of Bortezomib Combined With Temozolomide and Regional Radiation Therapy for Upfront Treatment of Patients With Newly Diagnosed Glioblastoma Multiforme: Safety and Efficacy Assessment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 100, 1195-1203.	0.4	45
65	Contrast-enhanced MR angiography at 3T in the evaluation of intracranial aneurysms: a comparison with time-of-flight MR angiography. <i>American Journal of Neuroradiology</i> , 2006, 27, 2118-21.	1.2	44
66	Two cases of rheumatoid meningitis. <i>Neuropathology</i> , 2016, 36, 93-102.	0.7	43
67	Dynamic Susceptibility Contrast MR Imaging in Glioma. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2016, 24, 649-670.	0.6	43
68	Application of arterial spin labeling perfusion MRI to differentiate benign from malignant intracranial meningiomas. <i>European Journal of Radiology</i> , 2017, 97, 31-36.	1.2	42
69	Report of the Jumpstarting Brain Tumor Drug Development Coalition and FDA clinical trials neuroimaging endpoint workshop (January 30, 2014, Bethesda MD). <i>Neuro-Oncology</i> , 2014, 16, vii36-vii47.	0.6	41
70	Emerging techniques and technologies in brain tumor imaging. <i>Neuro-Oncology</i> , 2014, 16, vii12-vii23.	0.6	41
71	Nitroxoline induces apoptosis and slows glioma growth in vivo. <i>Neuro-Oncology</i> , 2015, 17, 53-62.	0.6	41
72	Improved Leakage Correction for Single-Echo Dynamic Susceptibility Contrast Perfusion MRI Estimates of Relative Cerebral Blood Volume in High-Grade Gliomas by Accounting for Bidirectional Contrast Agent Exchange. <i>American Journal of Neuroradiology</i> , 2016, 37, 1440-1446.	1.2	39

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73	Quantitative probabilistic functional diffusion mapping in newly diagnosed glioblastoma treated with radiochemotherapy. <i>Neuro-Oncology</i> , 2013, 15, 382-390.	0.6	38
74	Simultaneous pH-sensitive and oxygen-sensitive MRI of human gliomas at 3T using multi-echo amine proton chemical exchange saturation transfer spin-echo gradient echo echo-planar imaging (CEST-MAGE-EPI). <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1962-1978.	1.9	38
75	MRI perfusion measurements calculated using advanced deconvolution techniques predict survival in recurrent glioblastoma treated with bevacizumab. <i>Journal of Neuro-Oncology</i> , 2015, 122, 497-505.	1.4	37
76	Nonlinear registration of diffusion-weighted images improves clinical sensitivity of functional diffusion maps in recurrent glioblastoma treated with bevacizumab. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 237-245.	1.9	36
77	Detection of 2-hydroxyglutaric acid in vivo by proton magnetic resonance spectroscopy in U87 glioma cells overexpressing isocitrate dehydrogenase-1 mutation. <i>Neuro-Oncology</i> , 2012, 14, 1465-1472.	0.6	35
78	Primary central nervous system histiocytic sarcoma presenting as a postradiation sarcoma: case report and literature review. <i>Human Pathology</i> , 2013, 44, 1177-1183.	1.1	34
79	Cell invasion, motility, and proliferation level estimate (CIMPLE) maps derived from serial diffusion MR images in recurrent glioblastoma treated with bevacizumab. <i>Journal of Neuro-Oncology</i> , 2011, 105, 91-101.	1.4	33
80	Genomics of Brain Tumor Imaging. <i>Neuroimaging Clinics of North America</i> , 2015, 25, 105-119.	0.5	33
81	3-T Contrast-Enhanced MR Angiography in Evaluation of Suspected Intracranial Aneurysm: Comparison with MDCT Angiography. <i>American Journal of Roentgenology</i> , 2008, 190, 389-395.	1.0	32
82	¹⁸ F-FDOPA PET and MRI characteristics correlate with degree of malignancy and predict survival in treatment-naïve gliomas: a cross-sectional study. <i>Journal of Neuro-Oncology</i> , 2018, 139, 399-409.	1.4	32
83	Validation of vessel size imaging (VSI) in high-grade human gliomas using magnetic resonance imaging, image-guided biopsies, and quantitative immunohistochemistry. <i>Scientific Reports</i> , 2019, 9, 2846.	1.6	32
84	Relationship Between [¹⁸ F]FDOPA PET Uptake, Apparent Diffusion Coefficient (ADC), and Proliferation Rate in Recurrent Malignant Gliomas. <i>Molecular Imaging and Biology</i> , 2015, 17, 434-442.	1.3	28
85	Metabolic characterization of human IDH mutant and wild type gliomas using simultaneous pH- and oxygen-sensitive molecular MRI. <i>Neuro-Oncology</i> , 2019, 21, 1184-1196.	0.6	28
86	pH-weighted amine chemical exchange saturation transfer echo-planar imaging (CEST-EPI) as a potential early biomarker for bevacizumab failure in recurrent glioblastoma. <i>Journal of Neuro-Oncology</i> , 2019, 142, 587-595.	1.4	28
87	Quantification of Nonenhancing Tumor Burden in Gliomas Using Effective T2 Maps Derived from Dual-Echo Turbo Spin-Echo MRI. <i>Clinical Cancer Research</i> , 2015, 21, 4373-4383.	3.2	27
88	Bidirectional Contrast agent leakage correction of dynamic susceptibility contrast (DSC)-MRI improves cerebral blood volume estimation and survival prediction in recurrent glioblastoma treated with bevacizumab. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 1229-1237.	1.9	27
89	Mono-exponential, diffusion kurtosis and stretched exponential diffusion MR imaging response to chemoradiation in newly diagnosed glioblastoma. <i>Journal of Neuro-Oncology</i> , 2018, 139, 651-659.	1.4	25
90	Association between Tumor Acidity and Hypervascularity in Human Gliomas Using pH-Weighted Amine Chemical Exchange Saturation Transfer Echo-Planar Imaging and Dynamic Susceptibility Contrast Perfusion MRI at 3T. <i>American Journal of Neuroradiology</i> , 2019, 40, 979-986.	1.2	24

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91	Association between lesion location and language function in adult glioma using voxel-based lesion-symptom mapping. <i>NeuroImage: Clinical</i> , 2015, 9, 617-624.	1.4	23
92	Human IDH mutant 1p/19q co-deleted gliomas have low tumor acidity as evidenced by molecular MRI and PET: a retrospective study. <i>Scientific Reports</i> , 2020, 10, 11922.	1.6	23
93	Radiomics for precision medicine in glioblastoma. <i>Journal of Neuro-Oncology</i> , 2022, 156, 217-231.	1.4	22
94	Hypervascular tumor volume estimated by comparison to a large-scale cerebral blood volume radiographic atlas predicts survival in recurrent glioblastoma treated with bevacizumab. <i>Cancer Imaging</i> , 2014, 14, 31.	1.2	21
95	Between-Scanner and Between-Visit Variation in Normal White Matter Apparent Diffusion Coefficient Values in the Setting of a Multi-Center Clinical Trial. <i>Clinical Neuroradiology</i> , 2016, 26, 423-430.	1.0	18
96	Insensitivity of visual assessment of hippocampal atrophy in familial Alzheimer's disease. <i>Journal of Neurology</i> , 2010, 257, 839-842.	1.8	17
97	Imaging biomarkers for antiangiogenic therapy in malignant gliomas. <i>CNS Oncology</i> , 2013, 2, 33-47.	1.2	17
98	Multiple calcifying pseudoneoplasms of the neuraxis (MCAPNON): Distinct entity, CAPNON variant, or old neurocysticercosis?. <i>Neuropathology</i> , 2017, 37, 233-240.	0.7	17
99	Radial expansion rates and tumor growth kinetics predict malignant transformation in contrast-enhancing low-grade diffuse astrocytoma. <i>CNS Oncology</i> , 2015, 4, 247-256.	1.2	16
100	Gadolinium Deposition within the Pediatric Brain: No Increased Intrinsic T1-Weighted Signal Intensity within the Dentate Nucleus following the Administration of a Minimum of 4 Doses of the Macrocyclic Agent Gadoteridol. <i>American Journal of Neuroradiology</i> , 2018, 39, 1604-1608.	1.2	16
101	Modeling the efficacy of the extent of surgical resection in the setting of radiation therapy for glioblastoma. <i>Cancer Science</i> , 2016, 107, 1110-1116.	1.7	16
102	Improving B0 Correction for pH-Weighted Amine Proton Chemical Exchange Saturation Transfer (CEST) Imaging by Use of k-Means Clustering and Lorentzian Estimation. <i>Tomography</i> , 2018, 4, 123-137.	0.8	16
103	Post-chemoradiation volumetric response predicts survival in newly diagnosed glioblastoma treated with radiation, temozolomide, and bevacizumab or placebo. <i>Neuro-Oncology</i> , 2018, 20, 1525-1535.	0.6	15
104	Improved Spatiotemporal Resolution of Dynamic Susceptibility Contrast Perfusion MRI in Brain Tumors Using Simultaneous Multi-Slice Echo-Planar Imaging. <i>American Journal of Neuroradiology</i> , 2018, 39, 43-45.	1.2	15
105	Diffusion Magnetic Resonance Imaging Phenotypes Predict Overall Survival Benefit From Bevacizumab or Surgery in Recurrent Glioblastoma With Large Tumor Burden. <i>Neurosurgery</i> , 2020, 87, 931-938.	0.6	14
106	Pre- and post-contrast three-dimensional double inversion-recovery MRI in human glioblastoma. <i>Journal of Neuro-Oncology</i> , 2013, 112, 257-266.	1.4	13
107	Evaluation of Magnetoparticles Conjugated with New Angiogenesis Peptides in Intracranial Glioma Tumors by MRI. <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 265-279.	1.4	13
108	Decorin expression is associated with predictive diffusion MR phenotypes of anti-VEGF efficacy in glioblastoma. <i>Scientific Reports</i> , 2020, 10, 14819.	1.6	13

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109	Voxelwise and Patientwise Correlation of ¹⁸ F-FDOPA PET, Relative Cerebral Blood Volume, and Apparent Diffusion Coefficient in Treatment-Naïve Diffuse Gliomas with Different Molecular Subtypes. <i>Journal of Nuclear Medicine</i> , 2021, 62, 319-325.	2.8	13
110	Differentiating IDH status in human gliomas using machine learning and multiparametric MR/PET. <i>Cancer Imaging</i> , 2021, 21, 27.	1.2	13
111	Using non-invasive neuroimaging to enhance the care, well-being and experimental outcomes of laboratory non-human primates (monkeys). <i>NeuroImage</i> , 2021, 228, 117667.	2.1	13
112	Ensemble segmentation for GBM brain tumors on MR images using confidence-based averaging. <i>Medical Physics</i> , 2013, 40, 093502.	1.6	12
113	Nonlinear distortion correction of diffusion MR images improves quantitative DTI measurements in glioblastoma. <i>Journal of Neuro-Oncology</i> , 2014, 116, 551-558.	1.4	12
114	Gadolinium deposition within the paediatric brain: no increased intrinsic T1-weighted signal intensity within the dentate nucleus following the administration of a minimum of four doses of the macrocyclic agent gadobutrol. <i>European Radiology</i> , 2018, 28, 4882-4889.	2.3	12
115	Rate of change in maximum ¹⁸ F-FDOPA PET uptake and non-enhancing tumor volume predict malignant transformation and overall survival in low-grade gliomas. <i>Journal of Neuro-Oncology</i> , 2020, 147, 135-145.	1.4	12
116	Diffusion MRI Characteristics after Concurrent Radiochemotherapy Predicts Progression-Free and Overall Survival in Newly Diagnosed Glioblastoma. <i>Tomography</i> , 2015, 1, 37-43.	0.8	12
117	Diffusion MRI is an early biomarker of overall survival benefit in IDH wild-type recurrent glioblastoma treated with immune checkpoint inhibitors. <i>Neuro-Oncology</i> , 2022, 24, 1020-1028.	0.6	12
118	Predictive imaging marker of bevacizumab efficacy: perfusion MRI: Table 1. <i>Neuro-Oncology</i> , 2015, 17, 1046-1047.	0.6	11
119	High Order Diffusion Tensor Imaging in Human Glioblastoma. <i>Academic Radiology</i> , 2011, 18, 947-954.	1.3	10
120	C-terminally truncated form of Î±B-crystallin is associated with IDH1 R132H mutation in anaplastic astrocytoma. <i>Journal of Neuro-Oncology</i> , 2014, 117, 53-65.	1.4	9
121	The MRI Features and Prognosis of Gliomas Associated With IDH1 Mutation: A Single Center Study in Southwest China. <i>Frontiers in Oncology</i> , 2020, 10, 852.	1.3	9
122	CADrx for GBM Brain Tumors: Predicting Treatment Response from Changes in Diffusion-Weighted MRI. <i>Algorithms</i> , 2009, 2, 1350-1367.	1.2	8
123	PET Parametric Response Mapping for Clinical Monitoring and Treatment Response Evaluation in Brain Tumors. <i>PET Clinics</i> , 2013, 8, 201-217.	1.5	8
124	â€œAerobic glycolytic imagingâ€ of human gliomas using combined pH-, oxygen-, and perfusion-weighted magnetic resonance imaging. <i>NeuroImage: Clinical</i> , 2021, 32, 102882.	1.4	8
125	Relative oxygen extraction fraction (rOEF) MR imaging reveals higher hypoxia in human epidermal growth factor receptor (EGFR) amplified compared with non-amplified gliomas. <i>Neuroradiology</i> , 2021, 63, 857-868.	1.1	7
126	Amine-weighted chemical exchange saturation transfer magnetic resonance imaging in brain tumors. <i>NMR in Biomedicine</i> , 2023, 36, .	1.6	7

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127	Cortical dysplasia with prominent Rosenthal fiber formation in a case of intractable pediatric epilepsy. <i>Human Pathology</i> , 2009, 40, 1200-1204.	1.1	6
128	Short-interval estimation of proliferation rate using serial diffusion MRI predicts progression-free survival in newly diagnosed glioblastoma treated with radiochemotherapy. <i>Journal of Neuro-Oncology</i> , 2014, 116, 601-608.	1.4	6
129	Neuroimaging. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2016, 134, 27-50.	1.0	6
130	Longitudinal MRI findings in patients with newly diagnosed glioblastoma after intraoperative radiotherapy. <i>Journal of Neuroradiology</i> , 2020, 47, 166-173.	0.6	6
131	Activity in the fusiform face area supports expert perception in radiologists and does not depend upon holistic processing of images. <i>Proceedings of SPIE</i> , 2009, , .	0.8	5
132	A novel bicompartamental mathematical model of glioblastoma multiforme. <i>International Journal of Oncology</i> , 2015, 46, 825-832.	1.4	5
133	Patient-specific characterization of the invasiveness and proliferation of low-grade gliomas using serial MR imaging and a mathematical model of tumor growth. <i>Oncology Reports</i> , 2015, 33, 2883-2888.	1.2	5
134	Multiparametric MR-PET measurements in hypermetabolic regions reflect differences in molecular status and tumor grade in treatment-naïve diffuse gliomas. <i>Journal of Neuro-Oncology</i> , 2020, 149, 337-346.	1.4	5
135	Diffusion MRI changes in the anterior subventricular zone following chemoradiation in glioblastoma with posterior ventricular involvement. <i>Journal of Neuro-Oncology</i> , 2020, 147, 643-652.	1.4	5
136	Worse prognosis for IDH wild-type diffuse gliomas with larger residual biological tumor burden. <i>Annals of Nuclear Medicine</i> , 2021, 35, 1022-1029.	1.2	5
137	Characterization of cognitive function in survivors of diffuse gliomas using resting-state functional MRI (rs-fMRI). <i>Brain Imaging and Behavior</i> , 2022, 16, 239-251.	1.1	5
138	Visualization of tumor heterogeneity and prediction of isocitrate dehydrogenase mutation status for human gliomas using multiparametric physiologic and metabolic MRI. <i>Scientific Reports</i> , 2022, 12, 1078.	1.6	5
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