Sotirios Bisdas

List of Publications by Year in descending order

197 papers	5,465 citations	81900 39 h-index	114465 63 g-index
210 all docs	210 docs citations	210 times ranked	6905 citing authors

#	Article	IF	Citations
1	Hybrid PET/MRI of Intracranial Masses: Initial Experiences and Comparison to PET/CT. Journal of Nuclear Medicine, 2010, 51, 1198-1205.	5.0	231
2	Current status and guidelines for the assessment of tumour vascular support with dynamic contrast-enhanced computed tomography. European Radiology, 2012, 22, 1430-1441.	4.5	180
3	Current concepts in the classification, diagnosis and treatment of vascular anomalies. European Journal of Radiology, 2010, 75, 2-11.	2.6	156
4	Biphosphonate-induced osteonecrosis of the jaws: CT and MRI spectrum of findings in 32 patients. Clinical Radiology, 2008, 63, 71-77.	1.1	126
5	Maximizing the extent of resection and survival benefit of patients in glioblastoma surgery: High-field iMRI versus conventional and 5-ALA-assisted surgery. European Journal of Surgical Oncology, 2014, 40, 297-304.	1.0	120
6	Feasibility of simultaneous PET/MR imaging in the head and upper neck area. European Radiology, 2011, 21, 1439-1446.	4.5	115
7	The diagnostic value of FDG and amyloid PET in Alzheimerâ€™s diseaseâ€”A systematic review. European Journal of Radiology, 2017, 94, 16-24.	2.6	113
8	Low-grade Glioma Surgery in Intraoperative Magnetic Resonance Imaging. Neurosurgery, 2016, 78, 775-786.	1.1	109
9	Cerebral Blood Volume Measurements by Perfusion-Weighted MR Imaging in Gliomas: Ready for Prime Time in Predicting Short-Term Outcome and Recurrent Disease?. American Journal of Neuroradiology, 2009, 30, 681-688.	2.4	108
10	Fundamentals of tracer kinetics for dynamic contrastâ€enhanced MRI. Journal of Magnetic Resonance Imaging, 2011, 34, 1262-1276.	3.4	105
11	Distinguishing Recurrent High-grade Gliomas from Radiation Injury. Academic Radiology, 2011, 18, 575-583.	2.5	102
12	Quantitative Measurements of Perfusion and Permeability of Oropharyngeal and Oral Cavity Cancer, Recurrent Disease, and Associated Lymph Nodes Using First-Pass Contrast-Enhanced Computed Tomography Studies. Investigative Radiology, 2007, 42, 172-179.	6.2	96
13	Hepatic Metastases: In Vivo Assessment of Perfusion Parameters at Dynamic Contrast-enhanced MR Imaging with Dual-Input Two-Compartment Tracer Kinetics Model. Radiology, 2008, 249, 307-320.	7.3	94
14	Eight-year experience with cryopreserved arterial homografts for the in situ reconstruction of abdominal aortic infections. Journal of Vascular Surgery, 2010, 52, 323-330.	1.1	94
15	Comparison of Three Different MR Perfusion Techniques and MR Spectroscopy for Multiparametric Assessment in Distinguishing Recurrent High-Grade Gliomas from Stable Disease. Academic Radiology, 2013, 20, 1557-1565.	2.5	93
16	Intravoxel incoherent motion diffusion-weighted MR imaging of gliomas: feasibility of the method and initial results. Neuroradiology, 2013, 55, 1189-1196.	2.2	91
17	Differential Diagnosis of Jugular Foramen Lesions. Skull Base, 2009, 19, 003-016.	0.4	80
18	Reproducibility, Interrater Agreement, and Age-Related Changes of Fractional Anisotropy Measures at 3T in Healthy Subjects: Effect of the Applied b-Value. American Journal of Neuroradiology, 2008, 29, 1128-1133.	2.4	74

#	Article	IF	Citations
19	Simultaneous PET/MR imaging in a human brain PET/MR system in 50 patientsâ€"Current state of image quality. European Journal of Radiology, 2012, 81, 3472-3478.	2.6	68
20	Cervical lymph nodes. European Journal of Radiology, 2008, 66, 493-500.	2.6	62
21	18F-Fluorodeoxyglucose-PET/CT to evaluate tumor, nodal disease, and gross tumor volume of oropharyngeal and oral cavity cancer: comparison with MR imaging and validation with surgical specimen. Neuroradiology, 2009, 51, 677-686.	2.2	60
22	Predictors of preoperative and early postoperative seizures in patients with intraâ€axial primary and metastatic brain tumors: A retrospective observational single center study. Annals of Neurology, 2015, 78, 917-928.	5.3	60
23	An artificial intelligence framework for automatic segmentation and volumetry of vestibular schwannomas from contrast-enhanced T1-weighted and high-resolution T2-weighted MRI. Journal of Neurosurgery, 2021, 134, 171-179.	1.6	60
24	Differentiation of benign and malignant parotid tumors using deconvolution-based perfusion CT imaging: Feasibility of the method and initial results. European Journal of Radiology, 2007, 64, 258-265.	2.6	58
25	Apparent diffusion coefficient for molecular subtyping of non-gadolinium-enhancing WHO grade II/III glioma: volumetric segmentation versus two-dimensional region of interest analysis. European Radiology, 2018, 28, 3779-3788.	4.5	58
26	Perfusion CT in Squamous Cell Carcinoma of the Upper Aerodigestive Tract: Long-Term Predictive Value of Baseline Perfusion CT Measurements. American Journal of Neuroradiology, 2010, 31, 576-581.	2.4	57
27	Whole-Tumor Perfusion CT Parameters and Glucose Metabolism Measurements in Head and Neck Squamous Cell Carcinomas: A Pilot Study Using Combined Positron-Emission Tomography/CT Imaging. American Journal of Neuroradiology, 2008, 29, 1376-1381.	2.4	56
28	Changes in Perfusion CT of Advanced Squamous Cell Carcinoma of the Head and Neck Treated during the Course of Concomitant Chemoradiotherapy. American Journal of Neuroradiology, 2010, 31, 570-575.	2.4	56
29	Metabolic Mapping of Gliomas Using Hybrid MR-PET Imaging. Investigative Radiology, 2013, 48, 295-301.	6.2	56
30	In vivo molecular profiling of human glioma using diffusion kurtosis imaging. Journal of Neuro-Oncology, 2017, 131, 93-101.	2.9	56
31	Texture analysis- and support vector machine-assisted diffusional kurtosis imaging may allow in vivo gliomas grading and IDH-mutation status prediction: a preliminary study. Scientific Reports, 2018, 8, 6108.	3.3	52
32	Correlative assessment of tumor microcirculation using contrastâ€enhanced perfusion MRI and intravoxel incoherent motion diffusionâ€weighted MRI: is there a link between them?. NMR in Biomedicine, 2014, 27, 1184-1191.	2.8	50
33	Fiber tracking: A qualitative and quantitative comparison between four different software tools on the reconstruction of major white matter tracts. European Journal of Radiology Open, 2016, 3, 153-161.	1.6	49
34	Comparison of Perfusion Computed Tomography With Diffusion-Weighted Magnetic Resonance Imaging in Hyperacute Ischemic Stroke. Journal of Computer Assisted Tomography, 2004, 28, 747-755.	0.9	48
35	Outcome Prediction After Surgery and Chemoradiation of Squamous Cell Carcinoma in the Oral Cavity, Oropharynx, and Hypopharynx: Use of Baseline Perfusion CT Microcirculatory Parameters vs. Tumor Volume. International Journal of Radiation Oncology Biology Physics, 2009, 73, 1313-1318.	0.8	48
36	Diffusion Tensor Imaging in a Human PET/MR Hybrid System. Investigative Radiology, 2010, 45, 270-274.	6.2	46

#	Article	IF	Citations
37	Prognostic value of preoperative dynamic contrast-enhanced MRI perfusion parameters for high-grade glioma patients. Neuroradiology, 2016, 58, 1197-1208.	2.2	45
38	A comparison of tumour perfusion assessed by deconvolution-based analysis of dynamic contrast-enhanced CT and MR imaging in patients with squamous cell carcinoma of the upper aerodigestive tract. European Radiology, 2008, 18, 843-850.	4.5	43
39	Anaphylaxis to trometamol excipient in gadolinium-based contrast agents for clinical imaging. Journal of Allergy and Clinical Immunology: in Practice, 2019, 7, 1086-1087.	3.8	42
40	Differential diagnosis of posterior fossa tumours in children: new insights. Pediatric Radiology, 2018, 48, 1955-1963.	2.0	40
41	Beneficial impact of high-field intraoperative magnetic resonance imaging on the efficacy of pediatric low-grade glioma surgery. Neurosurgical Focus, 2016, 40, E13.	2.3	39
42	Inner Ear Abnormalities in Patients with Goldenhar Syndrome. Otology and Neurotology, 2005, 26, 398-404.	1.3	38
43	Squamous cell cancer of hypopharynx and larynx â€“ Evaluation of metastatic nodal disease based on computed tomography perfusion studies. European Journal of Radiology, 2012, 81, 1034-1039.	2.6	38
44	Combined PET/MR: Where Are We Now? Summary Report of the Second International Workshop on PET/MR Imaging April 8â€“12, 2013, Tubingen, Germany. Molecular Imaging and Biology, 2014, 16, 295-310.	2.6	38
45	Machine learning assisted DSC-MRI radiomics as a tool for glioma classification by grade and mutation status. BMC Medical Informatics and Decision Making, 2020, 20, 149.	3.0	38
46	Artificial Intelligence in Medicine: A Multinational Multi-Center Survey on the Medical and Dental Students' Perception. Frontiers in Public Health, 2021, 9, 795284.	2.7	38
47	In vivo proton MR spectroscopy of primary tumours, nodal and recurrent disease of the extracranial head and neck. European Radiology, 2007, 17, 251-257.	4.5	37
48	An exploratory pilot study into the association between microcirculatory parameters derived by MRI-based pharmacokinetic analysis and glucose utilization estimated by PET-CT imaging in head and neck cancer. European Radiology, 2010, 20, 2358-2366.	4.5	37
49	Risk Factors of Preoperative and Early Postoperative Seizures in Patients with Meningioma: A Retrospective Single-Center Cohort Study. World Neurosurgery, 2017, 97, 538-546.	1.3	37
50	Dynamic contrast-enhanced CT of head and neck tumors: perfusion measurements using a distributed-parameter tracer kinetic model. Initial results and comparison with deconvolution-based analysis. Physics in Medicine and Biology, 2007, 52, 6181-6196.	3.0	36
51	Dynamic contrast-enhanced CT imaging of hepatocellular carcinoma in cirrhosis: feasibility of a prolonged dual-phase imaging protocol with tracer kinetics modeling. European Radiology, 2009, 19, 1184-1196.	4.5	36
52	MR spectroscopy for in vivo assessment of the oncometabolite 2â€hydroxyglutarate and its effects on cellular metabolism in human brain gliomas at 9.4T. Journal of Magnetic Resonance Imaging, 2016, 44, 823-833.	3.4	36
53	Prediction ofÂsubsequent hemorrhage inÂacute ischemic stroke using permeability CT imaging andÂaÂdistributed parameter tracer kinetic model. Journal of Neuroradiology, 2007, 34, 101-108.	1.1	35
54	Segmentation of vestibular schwannoma from MRI, an open annotated dataset and baseline algorithm. Scientific Data, 2021, 8, 286.	5.3	35

#	Article	IF	Citations
55	In vivo assessment of tumor heterogeneity in WHO 2016 glioma grades using diffusion kurtosis imaging: Diagnostic performance and improvement of feasibility in routine clinical practice. Journal of Neuroradiology, 2018, 45, 32-40.	1.1	33
56	Towards Safe Deep Learning: Accurately Quantifying Biomarker Uncertainty in Neural Network Predictions. Lecture Notes in Computer Science, 2018, , 691-699.	1.3	32
57	The quantitative neuroradiology initiative framework: application to dementia. British Journal of Radiology, 2019, 92, 20190365.	2.2	32
58	Correlative assessment of cerebral blood flow obtained with perfusion CT and positron emission tomography in symptomatic stenotic carotid disease. European Radiology, 2006, 16, 2220-2228.	4.5	31
59	Prognostic Value of Blood Flow Measurements Using Arterial Spin Labeling in Gliomas. PLoS ONE, 2014, 9, e99616.	2.5	31
60	Artificial Intelligence-Based Clinical Decision Support Systems Using Advanced Medical Imaging and Radiomics. Current Problems in Diagnostic Radiology, 2021, 50, 262-267.	1.4	31
61	Filtration-histogram based magnetic resonance texture analysis (MRTA) for glioma IDH and 1p19q genotyping. European Journal of Radiology, 2019, 113, 116-123.	2.6	30
62	A critical appraisal of the quality of head and neck cancer imaging guidelines using the AGREE II tool: A EuroAIM initiative. Cancer Medicine, 2019, 8, 209-215.	2.8	30
63	Automatic Segmentation of Vestibular Schwannoma from T2-Weighted MRI by Deep Spatial Attention with Hardness-Weighted Loss. Lecture Notes in Computer Science, 2019, , 264-272.	1.3	30
64	IVIM analysis of brain tumors: an investigation of the relaxation effects of CSF, blood, and tumor tissue on the estimated perfusion fraction. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 377-383.	2.0	28
65	Dynamic Contrast-enhanced CT of Head and Neck Tumors. Academic Radiology, 2008, 15, 1580-1589.	2.5	27
66	Diagnostic accuracy of dynamic contrastâ€enhanced perfusion MRI in stratifying gliomas: A systematic review and metaâ€analysis. Cancer Medicine, 2019, 8, 5564-5573.	2.8	27
67	Switching on the Lights for Real-Time Multimodality Tumor Neuroimaging: The Integrated Positron-Emission Tomography/MR Imaging System: Fig 1.. American Journal of Neuroradiology, 2010, 31, 610-614.	2.4	26
68	Resting-state functional MRI in an intraoperative MRI setting: proof of feasibility and correlation to clinical outcome of patients. Journal of Neurosurgery, 2016, 125, 401-409.	1.6	26
69	Lymph Node Staging. Topics in Magnetic Resonance Imaging, 2007, 18, 303-316.	1.2	25
70	WT1 expression increases with malignancy and indicates unfavourable outcome in astrocytoma. Journal of Clinical Pathology, 2014, 67, 556-561.	2.0	25
71	Blood-brain barrier permeability imaging using perfusion computed tomography. Radiology and Oncology, 2015, 49, 107-114.	1.7	25
72	Overview and Critical Appraisal of Arterial Spin Labelling Technique in Brain Perfusion Imaging. Contrast Media and Molecular Imaging, 2018, 2018, 1-15.	0.8	25

#	Article	IF	Citations
73	Manual segmentation versus semi-automated segmentation forÂquantifying vestibular schwannoma volume on MRI. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1445-1455.	2.8	25
74	Multicenter DSCâ€“MRI-Based Radiomics Predict IDH Mutation in Gliomas. Cancers, 2021, 13, 3965.	3.7	25
75	Correlation between Cerebral Blood Volume Measurements by Perfusion-Weighted Magnetic Resonance Imaging and Two-Year Progression-Free Survival in Gliomas. Neuroradiology Journal, 2013, 26, 385-395.	1.2	24
76	Prognostic value of blood flow estimated by arterial spin labeling and dynamic susceptibility contrast-enhanced MR imaging in high-grade gliomas. Journal of Neuro-Oncology, 2014, 120, 557-566.	2.9	24
77	Clinical Applications for Diffusion MRI and Tractography of Cranial Nerves Within the Posterior Fossa: A Systematic Review. Frontiers in Neuroscience, 2019, 13, 23.	2.8	24
78	Effect of the Arterial Input Function on the Measured Perfusion Values and Infarct Volumetric in Acute Cerebral Ischemia Evaluated by Perfusion Computed Tomography. Investigative Radiology, 2007, 42, 147-156.	6.2	23
79	Functional CT of squamous cell carcinoma in the head and neck: repeatability of tumor and muscle quantitative measurements, inter- and intra-observer agreement. European Radiology, 2008, 18, 2241-2250.	4.5	23
80	Response and Progression-Free Survival in Oropharynx Squamous Cell Carcinoma Assessed by Pretreatment Perfusion CT: Comparison with Tumor Volume Measurements. American Journal of Neuroradiology, 2009, 30, 793-799.	2.4	23
81	Prolonged Temozolomide Maintenance Therapy in Newly Diagnosed Glioblastoma. Oncologist, 2017, 22, 570-575.	3.7	23
82	The diagnostic role of diffusional kurtosis imaging in glioma grading and differentiation of gliomas from other intra-axial brain tumours: a systematic review with critical appraisal and meta-analysis. Neuroradiology, 2020, 62, 791-802.	2.2	23
83	Understanding brain resilience in superagers: a systematic review. Neuroradiology, 2021, 63, 663-683.	2.2	23
84	Intraoperative computed tomography in otorhinolaryngology. Acta Oto-Laryngologica, 2006, 126, 82-87.	0.9	22
85	Intraoperative MR Imaging in Neurosurgery. Clinical Neuroradiology, 2015, 25, 237-244.	1.9	21
86	Current Landscape of Imaging and the Potential Role for Artificial Intelligence in the Management of COVID-19. Current Problems in Diagnostic Radiology, 2021, 50, 430-435.	1.4	21
87	Scribble-Based Domain Adaptation via Co-segmentation. Lecture Notes in Computer Science, 2020, , 479-489.	1.3	21
88	Primary B cell lymphoma of the sphenoid sinus: CT and MRI characteristics with correlation to perfusion and spectroscopic imaging features. European Archives of Oto-Rhino-Laryngology, 2007, 264, 1207-1213.	1.6	20
89	Computed Tomography Assessment of Cerebral Perfusion Using a Distributed Parameter Tracer Kinetics Model: Validation with H2(15)O Positron Emission Tomography Measurements and Initial Clinical Experience in Patients with Acute Stroke. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 402-411.	4.3	20
90	Intraoperative Visualization of Residual Tumor. Operative Neurosurgery, 2013, 72, ons151-ons158.	0.8	20

#	Article	IF	Citations
91	Spectroscopy imaging in intraoperative MR suite: tissue characterization and optimization of tumor resection. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 551-559.	2.8	20
92	Impact of combined FDG-PET/CT and MRI on the detection of local recurrence and nodal metastases in thyroid cancer. Cancer Imaging, 2016, 16, 37.	2.8	20
93	The value of arterial spin labelling in adults glioma grading: systematic review and meta-analysis. Oncotarget, 2019, 10, 1589-1601.	1.8	20
94	Usefulness of MRI volumetric evaluation in patients with squamous cell cancer of the head and neck treated with neoadjuvant chemotherapy. Head and Neck, 2007, 29, 104-108.	2.0	19
95	Temporal Bone Changes in Patients With Goldenhar Syndrome With Special Emphasis on Inner Ear Abnormalities. Otology and Neurotology, 2014, 35, 826-830.	1.3	19
96	Patient Comfort During Positron Emission Tomography/Magnetic Resonance and Positron Emission Tomography/Computed Tomography Examinations. Investigative Radiology, 2015, 50, 726-732.	6.2	19
97	Automated quantitative MRI volumetry reports support diagnostic interpretation in dementia: a multi-rater, clinical accuracy study. European Radiology, 2021, 31, 5312-5323.	4.5	19
98	Assessment of Progression-Free-Survival in Glioblastomas by Intratreatment Dynamic Contrast-Enhanced MRI. Clinical Neuroradiology, 2016, 26, 39-45.	1.9	18
99	Three-Dimensional Visualization of the Nasal Cavity and Paranasal Sinuses. Journal of Computer Assisted Tomography, 2004, 28, 661-669.	0.9	17
100	Cetuximab enhances the efficacy of bortezomib in squamous cell carcinoma cell lines. Journal of Cancer Research and Clinical Oncology, 2009, 135, 387-393.	2.5	17
101	Unconventional non-amino acidic PET radiotracers for molecular imaging in gliomas. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 3925-3939.	6.4	17
102	Gadoliniumâ€enhanced echoâ€planar T2â€weighted MRI of tumors in the extracranial head and neck: Feasibility study and preliminary results using a distributedâ€parameter tracer kinetic analysis. Journal of Magnetic Resonance Imaging, 2008, 27, 963-969.	3.4	16
103	Simultaneous PET/MR imaging of the brain: feasibility of cerebral blood flow measurements with FAIR-TrueFISP arterial spin labeling MRI. Acta Radiologica, 2012, 53, 1066-1072.	1.1	16
104	Primary cerebral low-grade B-cell lymphoma, monoclonal immunoglobulin deposition disease, cerebral light chain deposition disease and â€œaggregomaâ€: an update on classification and diagnosis. BMC Neurology, 2013, 13, 107.	1.8	16
105	Evidence of Resting-state Activity in Propofol-anesthetized Patients with Intracranial Tumors. Academic Radiology, 2016, 23, 192-199.	2.5	14
106	Experience with awake throughout craniotomy in tumour surgery: technique and outcomes of a prospective, consecutive case series with patient perception data. Acta Neurochirurgica, 2020, 162, 3055-3065.	1.7	14
107	CT perfusion measurements of head and neck carcinoma from single section with largest tumor dimensions or average of multiple sections: Agreement between the two methods and effect on intra- and inter-observer agreement. European Journal of Radiology, 2012, 81, 2692-2696.	2.6	13
108	The Utility of Conventional Amino Acid PET Radiotracers in the Evaluation of Glioma Recurrence also in Comparison with MRI. Diagnostics, 2022, 12, 844.	2.6	13

#	Article	IF	Citations
109	Optimization of Perfusion CT Protocol for Imaging of Extracranial Head and Neck Tumors. Journal of Digital Imaging, 2009, 22, 437-448.	2.9	12
110	Early Neurologic Outcome after Bovine Pericardium versus Venous Patch Angioplasty in 599 Patients Undergoing Carotid Endarterectomy. Vascular, 2010, 18, 147-153.	0.9	12
111	Safety, Utility, and Clinical Results of Continuous Intraoperative Electrophysiologic Monitoring in 1.5T iMRI-Guided Surgery. World Neurosurgery, 2017, 106, 198-205.	1.3	12
112	A visual quality control scale for clinical arterial spin labeling images. European Radiology Experimental, 2018, 2, 45.	3.4	12
113	Temporal bone and intracranial abnormalities in syndromic causes of hearing loss: an updated guide. European Journal of Radiology, 2020, 123, 108803.	2.6	12
114	Lactate as clinical tumour biomarker: Optimization of lactate detection and quantification in MR spectroscopic imaging of glioblastomas. European Journal of Radiology, 2020, 130, 109171.	2.6	12
115	CEST MRI provides amide/amine surrogate biomarkers for treatment-naÃ¯ve glioma sub-typing. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 2377-2391.	6.4	12
116	Guidelines for magnetic resonance imaging in pediatric head and neck pathologies: a multicentre international consensus paper. Neuroradiology, 2022, 64, 1081-1100.	2.2	12
117	Detection of early vessel leakiness in acute ischemic stroke using computed tomography perfusion may indicate hemorrhagic transformation. Acta Radiologica, 2007, 48, 341-344.	1.1	11
118	Interpretation and applicability of empirical tissue enhancement metrics in dynamic contrast-enhanced MRI based on a multiple pathway model. Physics in Medicine and Biology, 2012, 57, N279-N294.	3.0	11
119	Dynamic contrast-enhanced MRI of malignant pleural mesothelioma: a comparative study of pharmacokinetic models and correlation with mRECIST criteria. Cancer Imaging, 2019, 19, 10.	2.8	11
120	Glioma surveillance imaging: current strategies, shortcomings, challenges and outlook. BJR|Open, 2020, 2, 20200009.	0.6	11
121	Clinical evaluation of automated quantitative MRI reports for assessment of hippocampal sclerosis. European Radiology, 2021, 31, 34-44.	4.5	11
122	Diagnostic Accuracy of Machine Learning-Based Radiomics in Grading Gliomas: Systematic Review and Meta-Analysis. Contrast Media and Molecular Imaging, 2020, 2020, 1-12.	0.8	10
123	In vivo proton magnetic resonance spectroscopic imaging of the healthy human brain at 9.4ÂT: initial experience. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2015, 28, 239-249.	2.0	9
124	MRI-Based Radiation-Free Method for Navigated Percutaneous Radiofrequency Trigeminal Rhizotomy. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2015, 76, 160-167.	0.8	9
125	PET/MR in neuro-oncology: is it ready for prime-time?. Clinical and Translational Imaging, 2020, 8, 233-235.	2.1	9
126	Longitudinal structural and perfusion MRI enhanced by machine learning outperforms standalone modalities and radiological expertise in high-grade glioma surveillance. Neuroradiology, 2021, 63, 2047-2056.	2.2	9

#	Article	IF	Citations
127	Machine learning with neuroimaging data to identify autism spectrum disorder: a systematic review and meta-analysis. Neuroradiology, 2021, 63, 2057-2072.	2.2	9
128	Delineation and segmentation of cerebral tumors by mapping blood-brain barrier disruption with dynamic contrast-enhanced CT and tracer kinetics modelingâ€“a feasibility study. European Radiology, 2008, 18, 143-151.	4.5	8
129	A Critical Appraisal of the Quality of Glioma Imaging Guidelines Using the AGREE II Tool: A EuroAIM Initiative. Frontiers in Oncology, 2019, 9, 472.	2.8	8
130	The abnormally dilated internal auditory canal: a non-specific finding or a distinctive pathologic entity. Journal of Neuroradiology, 2006, 33, 275-277.	1.1	7
131	Prognostic relevance of volumetric analysis in tumour specimens of hypopharyngeal cancer. Clinical Otolaryngology, 2007, 32, 372-377.	1.2	7
132	Perfusion CT measurements in healthy cervical spinal cord: feasibility and repeatability of the study as well as interchangeability of the perfusion estimates using two commercially available software packages. European Radiology, 2008, 18, 2321-2328.	4.5	7
133	Three-Dimensional Imaging of Active and Passive Middle Ear Prostheses Using Multislice Computed Tomography. Journal of Computer Assisted Tomography, 2008, 32, 304-312.	0.9	7
134	Are we ready to image the incoherent molecular motion in our minds?. Neuroradiology, 2013, 55, 537-540.	2.2	7
135	Neuroendoscopic Trans-Third Ventricular Approach for Surgical Management of Ecchordosis Physaliphora. World Neurosurgery, 2016, 90, 701.e1-701.e6.	1.3	7
136	Neuroimaging in the Era of the Evolving WHO Classification of Brain Tumors, From the AJR Special Series on Cancer Staging. American Journal of Roentgenology, 2021, 217, 1-13.	2.2	7
137	Slowly progressive Parkinson syndrome due to thalamic butterfly astrocytoma. Neurology, 2011, 77, 404-405.	1.1	6
138	Simultaneous subependymomas in monozygotic female twins: further evidence for a common genetic or developmental disorder background. Journal of Neurosurgery, 2014, 121, 570-575.	1.6	6
139	Impact of tumour volume on prediction of progression-free survival in sinonasal cancer. Radiology and Oncology, 2015, 49, 286-290.	1.7	6
140	Role of diffusional kurtosis imaging in grading of brain gliomas: a protocol for systematic review and meta-analysis. BMJ Open, 2018, 8, e025123.	1.9	6
141	Motor and language deficits correlate with resting state functional magnetic resonance imaging networks in patients with brain tumors. Journal of Neuroradiology, 2019, 46, 199-206.	1.1	6
142	Magnetic resonance features and cranial nerve involvement in pediatric head and neck rhabdomyosarcomas. Neuroradiology, 2021, 63, 1925-1934.	2.2	6
143	Value of cerebral perfusion computed tomography in the management of intensive care unit patients with suspected ischaemic cerebral pathology after cardiac surgery. European Journal of Cardio-thoracic Surgery, 2007, 32, 521-526.	1.4	5
144	Tracer kinetics analysis of dynamic contrastâ€enhanced CT and MR data in patients with squamous cell carcinoma of the upper aerodigestive tract: comparison of the results. Clinical Physiology and Functional Imaging, 2009, 29, 339-346.	1.2	5

#	Article	IF	Citations
145	A model-based reconstruction technique for fast dynamic T1 mapping. Magnetic Resonance Imaging, 2016, 34, 298-307.	1.8	5
146	Clinical practice guidelines on ultrasound-guided fine needle aspiration biopsy of thyroid nodules: a critical appraisal using AGREE II. Endocrine, 2019, 65, 371-378.	2.3	5
147	The Role of Imaging Biomarkers Derived From Advanced Imaging and Radiomics in the Management of Brain Tumors. Frontiers in Oncology, 2020, 10, 559946.	2.8	5
148	Hybrid MR-PET in Neuroimaging. Clinical Neuroradiology, 2015, 25, 275-281.	1.9	4
149	Neuroimaging of paediatric pineal, sellar and suprasellar tumours: a guide to differential diagnosis. Child's Nervous System, 2022, 38, 33-50.	1.1	4
150	Synchronous spontaneous cerebrospinal fluid leaks in the nose and ear. Journal of Laryngology and Otology, 2012, 126, 1186-1188.	0.8	3
151	Dynamic contrast-enhanced MRI in malignant pleural mesothelioma: prediction of outcome based on DCE-MRI measurements in patients undergoing cytotoxic chemotherapy. BMC Cancer, 2022, 22, 191.	2.6	3
152	Rhinocerebral Mucormycosis. Klinische Neuroradiologie, 2003, 13, 213-217.	0.9	2
153	Computed Tomography Perfusion Assessment of Radiation Therapy Effects on Spinal Cord Hemodynamics. International Journal of Radiation Oncology Biology Physics, 2010, 77, 851-857.	0.8	2
154	DIFFUSION KURTOSIS IMAGING IDENTIFIES THE IDH MUTATION STATUS OF GLIOMAS. Neuro-Oncology, 2018, 20, v351-v351.	1.2	2
155	A critical appraisal of the quality of 18F-FDG PET/CT guidelines in oncology using the AGREE II tool: A EuroAIM initiative. European Journal of Radiology, 2020, 126, 108930.	2.6	2
156	The Brain Metabolic Signature in Superagers Using In Vivo ¹H-MRS: A Pilot Study. American Journal of Neuroradiology, 2021, 42, 1790-1797.	2.4	2
157	The role of diffusion tensor imaging for non-invasive IDH phenotyping in gliomas.. Journal of Clinical Oncology, 2018, 36, e24174-e24174.	1.6	2
158	Cervical Adenopathy and Neck Masses. , 2009, , 639-669.		2
159	Temporal Bone CT Findings in a Male Patient with Osteopathia Striata and Cranial Sclerosis. Klinische Neuroradiologie, 2003, 13, 113-116.	0.9	1
160	Independent component analysis of dynamic contrast-enhanced computed tomography images. Physics in Medicine and Biology, 2006, 51, N339-N348.	3.0	1
161	Deconvolution assessment of splenic and splanchnic contributions to portal venous blood flow in liver cirrhosis. Medical Physics, 2011, 38, 2768-2782.	3.0	1
162	Double Bolus Application in TWIST-MR-Angiography of the Cervical Arteries. Radiology Research and Practice, 2012, 2012, 1-5.	1.3	1

#	Article	IF	Citations
163	Cavernous Angiomyoma of the Internal Auditory Canal. Otology and Neurotology, 2016, 37, e402-e403.	1.3	1
164	Glial Tumors and Primary CNS Lymphoma. , 2019, , 1-25.		1
165	The role of preoperative diffusion tensor imaging in predicting and improving functional outcome in pediatric patients undergoing epilepsy surgery: a systematic review. BJR|Open, 2021, 3, 20200002.	0.6	1
166	Decision making in surveillance of high-grade gliomas using perfusion MRI as adjunct to conventional MRI and artificial intelligence.. Journal of Clinical Oncology, 2019, 37, 2054-2054.	1.6	1
167	SU-FF-I-62: Radiation Risks to Patients with Suspected PE Undergoing Chest CT and V/Q Scans. Medical Physics, 2009, 36, 2448-2448.	3.0	1
168	The role of dynamic susceptibility contrast perfusion- weighted MRI in the estimation of IDH mutation in gliomas.. Journal of Clinical Oncology, 2018, 36, 12063-12063.	1.6	1
169	Non-invasive in vivo prediction of tumour grade and IDH mutation status in gliomas using dynamic susceptibility contrast (DSC) perfusion- and diffusion-weighted MRI.. Journal of Clinical Oncology, 2018, 36, e24173-e24173.	1.6	1
170	Amide proton transfer MRI can accurately stratify gliomas according to their IDH mutation and 1p/19q co-deletion status.. Journal of Clinical Oncology, 2020, 38, 2561-2561.	1.6	1
171	Is Diffusion Tensor Imaging-Guided Radiotherapy the New State-of-the-Art? A Review of the Current Literature and Technical Insights. Applied Sciences (Switzerland), 2022, 12, 816.	2.5	1
172	Dynamic contrast-enhanced CT of head and neck tumors: Perfusion measurements using a distributed-parameter tracer kinetic model. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 577-580.	1.6	0
173	Primary B-Cell Lymphoma of the Central Skull Base. Klinische Neuroradiologie, 2006, 16, 258-261.	0.9	0
174	Reply to the letter to the editor called: Results expected in 5-ALA-guided resection of glioblastoma. European Journal of Surgical Oncology, 2014, 40, 1023-1024.	1.0	0
175	PET/MR in Oncology. Current Radiology Reports, 2015, 3, 1.	1.4	0
176	Diffusion-weighted MRI may support the identification of non-enhancing IDH wildtype astrocytoma. Neuro-Oncology, 2018, 20, i1-i1.	1.2	0
177	Diffusion tensor tractography: Two methods comparative evaluation for gliomas presurgical workup. Neuro-Oncology, 2018, 20, i15-i16.	1.2	0
178	Radiological phenotyping of IDH mutation status in gliomas using dynamic susceptibility contrast perfusion-weighted MRI. Annals of Oncology, 2018, 29, viii123.	1.2	0
179	IS DYNAMIC SUSCEPTIBILITY CONTRAST PERFUSION- WEIGHTED MRI RELIABLE IN THE ESTIMATION OF IDH MUTATION IN GLIOMAS?. Neuro-Oncology, 2018, 20, v347-v347.	1.2	0
180	Can diffusion tensor MR imaging identify glioma IDH mutation status?. Annals of Oncology, 2018, 29, viii129.	1.2	0

#	Article	IF	Citations
181	Systematic review and meta-analysis: arterial apin labelling (ASL) efficiency in grading of adults glioma. Neuro-Oncology, 2018, 20, v360-v360.	1.2	0
182	Glial Tumors and Primary CNS Lymphoma. , 2019, , 1051-1074.		0
183	Pediatric Tumor Neuroradiology. , 2019, , 1-80.		0
184	Role of diffusional kurtosis imaging in grading of brain gliomas: A diagnostic test accuracy systematic review and meta-analysis. Neuro-Oncology, 2019, 21, iv12-iv12.	1.2	0
185	597TiP A phase Ib study on a TRPV6-inhibitor, SORC13 in patients with advanced solid tumours. Annals of Oncology, 2020, 31, S499-S500.	1.2	0
186	Giant Basal Cell Carcinoma of the Scalp with Intracranial Invasion: MRI Findings with Tract Visualisation. Case Reports in Radiology, 2021, 2021, 1-5.	0.3	0
187	Therapeutic Drug Monitoring of Antidepressants and Length of Stay of Psychiatric Inpatients. Pharmacopsychiatry, 2005, 38, .	3.3	0
188	Imaging the Human Brain with Functional CT Imaging. , 2006, , 314-323.		0
189	Astrocytomas: Predicting Survival and Recurrence Using Cerebral Blood Volume Measurements. , 2012, , 213-221.		0
190	Imaging Modalities and Characteristics in Medication-Related Osteonecrosis of the Jaw. , 2015, , 63-77.		0
191	Combined use of MR-PET and 5-ALA for neurosurgical management of recurrent multiple malignant hemangiopericytomas. Journal of Neurosurgical Sciences, 2019, 63, 240-242.	0.6	0
192	Early response assessment through multiparametric MRI based endpoints in a phase II multicenter study evaluating the efficacy of DPX-Survivac, intermittent low dose cyclophosphamide (CPA) and pembrolizumab combination study in subjects with solid tumors.. Journal of Clinical Oncology, 2019, 37, e14245-e14245.	1.6	0
193	Multi-parametric MRI as supplement to mRANO criteria for response assessment to MDNA55 in adults with recurrent or progressive glioblastoma.. Journal of Clinical Oncology, 2019, 37, e13559-e13559.	1.6	0
194	A critical appraisal of the quality of glioma imaging guidelines using the AGREE II tool: A EuroAIM initiative.. Journal of Clinical Oncology, 2019, 37, e13553-e13553.	1.6	0
195	Performance of machine learning-augmented analysis of radiomics for the head and neck cancer histopathological diagnosis: A systematic review and meta-analysis.. Journal of Clinical Oncology, 2020, 38, e18526-e18526.	1.6	0
196	Combined structural and perfusion MRI enhanced by machine learning may outperform standalone modalities and radiological expertise in high-grade glioma surveillance: A proof-of-concept study.. Journal of Clinical Oncology, 2020, 38, e14528-e14528.	1.6	0
197	Repeatability of perfusion measurements in adult gliomas using pulsed and pseudo-continuous arterial spin labelling MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 113-125.	2.0	0