Max Wintermark

List of Publications by Year
in descending order

541 papers	36,263 citations	5891 81 h-index	4338 173 g-index
562 all docs	562 docs citations	562 times ranked	31305 citing authors

#	Article	IF	Citations
1	Guidelines for the Early Management of Patients With Acute Ischemic Stroke. Stroke, 2013, 44, 870-947.	1.0	5,246
2	The Multimodal Brain Tumor Image Segmentation Benchmark (BRATS). IEEE Transactions on Medical Imaging, 2015, 34, 1993-2024.	5.4	3,589
3	A Trial of Imaging Selection and Endovascular Treatment for Ischemic Stroke. New England Journal of Medicine, 2013, 368, 914-923.	13.9	1,269
4	Recommendations on Angiographic Revascularization Grading Standards for Acute Ischemic Stroke. Stroke, 2013, 44, 2650-2663.	1.0	1,264
5	Perfusion-CT Assessment of Infarct Core and Penumbra. Stroke, 2006, 37, 979-985.	1.0	722
6	A Pilot Study of Focused Ultrasound Thalamotomy for Essential Tremor. New England Journal of Medicine, 2013, 369, 640-648.	13.9	694
7	Intravenous desmoteplase in patients with acute ischaemic stroke selected by MRI perfusionâ€“diffusion weighted imaging or perfusion CT (DIAS-2): a prospective, randomised, double-blind, placebo-controlled study. Lancet Neurology, The, 2009, 8, 141-150.	4.9	526
8	Prognostic accuracy of cerebral blood flow measurement by perfusion computed tomography, at the time of emergency room admission, in acute stroke patients. Annals of Neurology, 2002, 51, 417-432.	2.8	495
9	Recommendations for the Management of Cerebral and Cerebellar Infarction With Swelling. Stroke, 2014, 45, 1222-1238.	1.0	403
10	Comparative Overview of Brain Perfusion Imaging Techniques. Stroke, 2005, 36, e83-99.	1.0	397
11	MR Imaging Predictors of Molecular Profile and Survival: Multi-institutional Study of the TCGA Glioblastoma Data Set. Radiology, 2013, 267, 560-569.	3.6	362
12	Comparison of Admission Perfusion Computed Tomography and Qualitative Diffusion- and Perfusion-Weighted Magnetic Resonance Imaging in Acute Stroke Patients. Stroke, 2002, 33, 2025-2031.	1.0	330
13	High-Resolution CT Imaging of Carotid Artery Atherosclerotic Plaques. American Journal of Neuroradiology, 2008, 29, 875-882.	1.2	319
14	Systematic comparison of perfusion-CT and CT-angiography in acute stroke patients. Annals of Neurology, 2007, 61, 533-543.	2.8	299
15	Perfusion MRI: The Five Most Frequently Asked Technical Questions. American Journal of Roentgenology, 2013, 200, 24-34.	1.0	296
16	Imaging biomarkers of vulnerable carotid plaques for stroke risk prediction and their potential clinical implications. Lancet Neurology, The, 2019, 18, 559-572.	4.9	279
17	Resting-State Functional MRI: Everything That Nonexperts Have Always Wanted to Know. American Journal of Neuroradiology, 2018, 39, 1390-1399.	1.2	266
18	Quantitative assessment of regional cerebral blood flows by perfusion CT studies at low injection rates: a critical review of the underlying theoretical models. European Radiology, 2001, 11, 1220-1230.	2.3	247

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19	Focal Lesions in Acute Mild Traumatic Brain Injury and Neurocognitive Outcome: CT versus 3T MRI. Journal of Neurotrauma, 2008, 25, 1049-1056.	1.7	237
20	CT Perfusion Scanning with Deconvolution Analysis: Pilot Study in Patients with Acute Middle Cerebral Artery Stroke. Radiology, 2002, 222, 227-236.	3.6	231
21	Deep Learning in Neuroradiology. American Journal of Neuroradiology, 2018, 39, 1776-1784.	1.2	222
22	Optimal Symmetric Multimodal Templates and Concatenated Random Forests for Supervised Brain Tumor Segmentation (Simplified) with ANTsR. Neuroinformatics, 2015, 13, 209-225.	1.5	221
23	Deep learning enables reduced gadolinium dose for contrastâ€enhanced brain MRI. Journal of Magnetic Resonance Imaging, 2018, 48, 330-340.	1.9	220
24	Common Data Elements in Radiologic Imaging of Traumatic Brain Injury. Archives of Physical Medicine and Rehabilitation, 2010, 91, 1661-1666.	0.5	214
25	Carotid Artery Wall Imaging: Perspective and Guidelines from the ASNR Vessel Wall Imaging Study Group and Expert Consensus Recommendations of the American Society of Neuroradiology. American Journal of Neuroradiology, 2018, 39, E9-E31.	1.2	213
26	The Acute STroke Registry and Analysis of Lausanne (ASTRAL). Stroke, 2010, 41, 2491-2498.	1.0	208
27	How Accurate Is CT Angiography in Evaluating Intracranial Atherosclerotic Disease?. Stroke, 2008, 39, 1184-1188.	1.0	205
28	Imaging of intracranial haemorrhage. Lancet Neurology, The, 2008, 7, 256-267.	4.9	201
29	The Macklin Effect. Chest, 2001, 120, 543-547.	0.4	197
30	Outcome Prediction in Patients with Glioblastoma by Using Imaging, Clinical, and Genomic Biomarkers: Focus on the Nonenhancing Component of the Tumor. Radiology, 2014, 272, 484-493.	3.6	196
31	Acute Stroke Imaging Research Roadmap II. Stroke, 2013, 44, 2628-2639.	1.0	192
32	Perfusion MRI: The Five Most Frequently Asked Clinical Questions. American Journal of Roentgenology, 2013, 201, W495-W510.	1.0	181
33	Transcranial MRI-Guided Focused Ultrasound: A Review of the Technologic and Neurologic Applications. American Journal of Roentgenology, 2015, 205, 150-159.	1.0	175
34	Thoracolumbar Spine Fractures in Patients Who Have Sustained Severe Trauma: Depiction with Multiâ€"Detector Row CT. Radiology, 2003, 227, 681-689.	3.6	174
35	Accuracy of dynamic perfusion CT with deconvolution in detecting acute hemispheric stroke. American Journal of Neuroradiology, 2005, 26, 104-12.	1.2	173
36	Janus Iron Oxides @ Semiconducting Polymer Nanoparticle Tracer for Cell Tracking by Magnetic Particle Imaging. Nano Letters, 2018, 18, 182-189.	4.5	168

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37	Multislice computerized tomography angiography in the evaluation of intracranial aneurysms: a comparison with intraarterial digital subtraction angiography. Journal of Neurosurgery, 2003, 98, 828-836.	0.9	167
38	Contrast Extravasation on CT Predicts Mortality in Primary Intracerebral Hemorrhage. American Journal of Neuroradiology, 2008, 29, 520-525.	1.2	160
39	Difference in Disease Burden and Activity in Pediatric Patients on Brain Magnetic Resonance Imaging at Time of Multiple Sclerosis Onset vs Adults. Archives of Neurology, 2009, 66, 967-71.	4.9	159
40	Reperfusion Is a More Accurate Predictor of Follow-Up Infarct Volume Than Recanalization. Stroke, 2010, 41, e34-40.	1.0	158
41	Imaging of Intracranial Hemorrhage. Journal of Stroke, 2017, 19, 11-27.	1.4	157
42	Blood-Brain Barrier Permeability Assessed by Perfusion CT Predicts Symptomatic Hemorrhagic Transformation and Malignant Edema in Acute Ischemic Stroke. American Journal of Neuroradiology, 2011, 32, 41-48.	1.2	147
43	Admission Perfusion CT: Prognostic Value in Patients with Severe Head Trauma. Radiology, 2004, 232, 211-220.	3.6	143
44	Dynamic perfusion CT: optimizing the temporal resolution and contrast volume for calculation of perfusion CT parameters in stroke patients. American Journal of Neuroradiology, 2004, 25, 720-9.	1.2	142
45	Common data elements in radiologic imaging of traumatic brain injury. Journal of Magnetic Resonance Imaging, 2010, 32, 516-543.	1.9	139
46	Risk of Recurrent Arterial Ischemic Stroke in Childhood. Stroke, 2016, 47, 53-59.	1.0	138
47	A benchmarking tool to evaluate computer tomography perfusion infarct core predictions against a DWI standard. Journal of Cerebral Blood Flow and Metabolism, 2016, 36, 1780-1789.	2.4	136
48	Traumatic injuries: role of imaging in the management of the polytrauma victim (conservative) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	2.3	133
49	Automated CT perfusion imaging for acute ischemic stroke. Neurology, 2019, 93, 888-898.	1.5	133
50	A Review of Magnetic Particle Imaging and Perspectives on Neuroimaging. American Journal of Neuroradiology, 2019, 40, 206-212.	1.2	133
51	Correlation of early dynamic CT perfusion imaging with whole-brain MR diffusion and perfusion imaging in acute hemispheric stroke. American Journal of Neuroradiology, 2003, 24, 1869-75.	1.2	133
52	Reversible monoparesis following decompressive hemicraniectomy for traumatic brain injury. Journal of Neurosurgery, 2008, 109, 245-254.	0.9	131
53	Accuracy and Reliability Assessment of CT and MR Perfusion Analysis Software Using a Digital Phantom. Radiology, 2013, 267, 201-211.	3.6	131
54	Genomic Mapping and Survival Prediction in Glioblastoma: Molecular Subclassification Strengthened by Hemodynamic Imaging Biomarkers. Radiology, 2013, 267, 212-220.	3.6	130

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55	Arteriopathy Diagnosis in Childhood Arterial Ischemic Stroke. Stroke, 2014, 45, 3597-3605.	1.0	130
56	Imaging Evidence and Recommendations for Traumatic Brain Injury: Conventional Neuroimaging Techniques. Journal of the American College of Radiology, 2015, 12, e1-e14.	0.9	125
57	Imaging Findings in MR Imaging-Guided Focused Ultrasound Treatment for Patients with Essential Tremor. American Journal of Neuroradiology, 2014, 35, 891-896.	1.2	122
58	High and Low Molecular Weight Fluorescein Isothiocyanate (FITC)â€“Dextrans to Assess Blood-Brain Barrier Disruption: Technical Considerations. Translational Stroke Research, 2011, 2, 106-111.	2.3	121
59	Brain Perfusion in Children: Evolution With Age Assessed by Quantitative Perfusion Computed Tomography. Pediatrics, 2004, 113, 1642-1652.	1.0	120
60	Comparative Overview of Brain Perfusion Imaging Techniques. Stroke, 2005, 36, 2032-2033.	1.0	112
61	Principles of T₂*â€weighted dynamic susceptibility contrast MRI technique in brain tumor imaging. Journal of Magnetic Resonance Imaging, 2015, 41, 296-313.	1.9	112
62	Relationship between brain perfusion computed tomography variables and cerebral perfusion pressure in severe head trauma patients*. Critical Care Medicine, 2004, 32, 1579-1587.	0.4	111
63	Diffusion tensor imaging as a prognostic biomarker for motor recovery and rehabilitation after stroke. Neuroradiology, 2017, 59, 343-351.	1.1	111
64	Addition of MR imaging features and genetic biomarkers strengthens glioblastoma survival prediction in TCGA patients. Journal of Neuroradiology, 2015, 42, 212-221.	0.6	109
65	Dorsal Thoracic Arachnoid Web and the â€œScalpel Signâ€: A Distinct Clinical-Radiologic Entity. American Journal of Neuroradiology, 2013, 34, 1104-1110.	1.2	106
66	Imaging Recommendations for Acute Stroke and Transient Ischemic Attack Patients: A Joint Statement by the American Society of Neuroradiology, the American College of Radiology, and the Society of NeuroInterventional Surgery. American Journal of Neuroradiology, 2013, 34, E117-E127.	1.2	104
67	Collateral Clock Is More Important Than Time Clock for Tissue Fate. Stroke, 2018, 49, 2102-2107.	1.0	103
68	Imaging of the Carotid Artery Vulnerable Plaque. CardioVascular and Interventional Radiology, 2014, 37, 572-585.	0.9	102
69	Infection, vaccination, and childhood arterial ischemic stroke. Neurology, 2015, 85, 1459-1466.	1.5	100
70	Potential intracranial applications of magnetic resonanceâ€“guided focused ultrasound surgery. Journal of Neurosurgery, 2013, 118, 215-221.	0.9	99
71	Stroke Recovery and Rehabilitation Research. Stroke, 2017, 48, 813-819.	1.0	98
72	Subclinical embolization after carotid artery stenting: New lesions on diffusion-weighted magnetic resonance imaging occur postprocedure. Journal of Vascular Surgery, 2007, 45, 867-874.	0.6	97

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73	Imaging Evidence and Recommendations for Traumatic Brain Injury: Advanced Neuro- and Neurovascular Imaging Techniques. American Journal of Neuroradiology, 2015, 36, E1-E11.	1.2	97
74	Applications of Deep Learning to Neuro-Imaging Techniques. Frontiers in Neurology, 2019, 10, 869.	1.1	97
75	Cerebral perfusion CT: Technique and clinical applications. Journal of Neuroradiology, 2008, 35, 253-260.	0.6	93
76	Perfusion Computed Tomography for the Evaluation of Acute Ischemic Stroke. Stroke, 2016, 47, 1153-1158.	1.0	92
77	Multimodal imaging of striatal degeneration in Amish patients with glutaryl-CoA dehydrogenase deficiency. Brain, 2007, 130, 1905-1920.	3.7	91
78	Prospective Evaluation of Multidetector-Row CT Angiography for the Diagnosis of Vasospasm following Subarachnoid Hemorrhage: A Comparison with Digital Subtraction Angiography. Cerebrovascular Diseases, 2008, 25, 144-150.	0.8	91
79	Clinical and Imaging Characteristics of Arteriopathy Subtypes in Children with Arterial Ischemic Stroke: Results of the VIPS Study. American Journal of Neuroradiology, 2017, 38, 2172-2179.	1.2	89
80	Imaging of blunt chest trauma. European Radiology, 2000, 10, 1524-1538.	2.3	88
81	Acute Stroke Imaging Research Roadmap III Imaging Selection and Outcomes in Acute Stroke Reperfusion Clinical Trials. Stroke, 2016, 47, 1389-1398.	1.0	88
82	Pathways for Neuroimaging of Childhood Stroke. Pediatric Neurology, 2017, 69, 11-23.	1.0	87
83	MR and CT Monitoring of Recanalization, Reperfusion, and Penumbra Salvage. Stroke, 2009, 40, S24-7.	1.0	84
84	Herpesvirus Infections and Childhood Arterial Ischemic Stroke. Circulation, 2016, 133, 732-741.	1.6	84
85	Radiation-induced imaging changes following Gamma Knife surgery for cerebral arteriovenous malformations. Journal of Neurosurgery, 2013, 118, 63-73.	0.9	83
86	Radiation Dose-Reduction Strategies for Neuroradiology CT Protocols. American Journal of Neuroradiology, 2007, 28, 1628-1632.	1.2	81
87	A magnetic resonance imaging, histological, and dose modeling comparison of focused ultrasound, radiofrequency, and Gamma Knife radiosurgery lesions in swine thalamus. Journal of Neurosurgery, 2013, 119, 307-317.	0.9	81
88	Radiation Dose Reduction Strategy for CT Protocols: Successful Implementation in Neuroradiology Section. Radiology, 2008, 247, 499-506.	3.6	80
89	Closing the loop on impulsivity via nucleus accumbens delta-band activity in mice and man. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 192-197.	3.3	80
90	Sixty-Four-Section Multidetector CT Angiography of Carotid Arteries: A Systematic Analysis of Image Quality and Artifacts. American Journal of Neuroradiology, 2010, 31, 91-99.	1.2	79

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91	Effect of Collaterals on Clinical Presentation, Baseline Imaging, Complications, and Outcome in Acute Stroke. American Journal of Neuroradiology, 2015, 36, 2285-2291.	1.2	79
92	Association between Extrinsic and Intrinsic Carpal Ligament Injuries at MR Arthrography and Carpal Instability at Radiography: Initial Observations. Radiology, 2006, 238, 950-957.	3.6	77
93	Cerebral perfusionâ€CT patterns following seizure. European Journal of Neurology, 2010, 17, 594-601.	1.7	77
94	ACR Appropriateness Criteria Head Trauma. Journal of the American College of Radiology, 2016, 13, 668-679.	0.9	77
95	Multiparametric MRI and CT Models of Infarct Core and Favorable Penumbral Imaging Patterns in Acute Ischemic Stroke. Stroke, 2013, 44, 73-79.	1.0	75
96	Multicenter imaging outcomes study of The Cancer Genome Atlas glioblastoma patient cohort: imaging predictors of overall and progression-free survival. Neuro-Oncology, 2015, 17, 1525-1537.	0.6	75
97	Costâ€effectiveness of focused ultrasound, radiosurgery, and DBS for essential tremor. Movement Disorders, 2017, 32, 1165-1173.	2.2	75
98	Use of Gradient Boosting Machine Learning to Predict Patient Outcome in Acute Ischemic Stroke on the Basis of Imaging, Demographic, and Clinical Information. American Journal of Roentgenology, 2019, 212, 44-51.	1.0	75
99	Imaging Recommendations for Acute Stroke and Transient Ischemic Attack Patients. Journal of the American College of Radiology, 2013, 10, 828-832.	0.9	73
100	Pretreatment Bloodâ€“Brain Barrier Damage and Post-Treatment Intracranial Hemorrhage in Patients Receiving Intravenous Tissue-Type Plasminogen Activator. Stroke, 2014, 45, 2030-2035.	1.0	73
101	The Vascular Effects of Infection in Pediatric Stroke (VIPS) Study. Journal of Child Neurology, 2011, 26, 1101-1110.	0.7	72
102	Vascular Occlusion Enables Selecting Acute Ischemic Stroke Patients for Treatment With Desmoteplase. Stroke, 2012, 43, 1561-1566.	1.0	72
103	Local cortical hypoperfusion imaged with CT perfusion during postictal Toddâ€™s paresis. Neuroradiology, 2008, 50, 397-401.	1.1	71
104	Perfusion CT and acute stroke imaging: Foundations, applications, and literature review. Journal of Neuroradiology, 2015, 42, 21-29.	0.6	71
105	Acute stroke magnetic resonance imaging: current status and future perspective. Neuroradiology, 2010, 52, 189-201.	1.1	70
106	COVID-19-induced anosmia associated with olfactory bulb atrophy. Neuroradiology, 2021, 63, 147-148.	1.1	70
107	Blood Biomarkers for Detection of Brain Injury in COVID-19 Patients. Journal of Neurotrauma, 2021, 38, 1-43.	1.7	68
108	CT Perfusion Imaging in Acute Stroke. Neuroimaging Clinics of North America, 2011, 21, 215-238.	0.5	67

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109	Magnetic Resonanceâ€“Guided Focused Ultrasound Surgery. Neurosurgery, 2012, 71, 755-763.	0.6	66
110	Brain perfusion-CT in acute stroke patients. European Radiology, Supplement, 2005, 15, d28-d31.	1.8	65
111	Computer-Aided Assessment of Head Computed Tomography (CT) Studies in Patients with Suspected Traumatic Brain Injury. Journal of Neurotrauma, 2008, 25, 1163-1172.	1.7	65
112	The predictive value of magnetic resonance imaging in evaluating intracranial arteriovenous malformation obliteration after stereotactic radiosurgery. Journal of Neurosurgery, 2015, 123, 136-144.	0.9	65
113	Prevalence of dural venous sinus stenosis and hypoplasia in a generalized population. Journal of NeuroInterventional Surgery, 2016, 8, 1173-1177.	2.0	65
114	Visual Grading System for Vasospasm Based on Perfusion CT Imaging: Comparisons with Conventional Angiography and Quantitative Perfusion CT. Cerebrovascular Diseases, 2008, 26, 163-170.	0.8	64
115	Diffusion MRI tractography for improved transcranial MRI-guided focused ultrasound thalamotomy targeting for essential tremor. NeuroImage: Clinical, 2018, 19, 572-580.	1.4	64
116	Intravoxel incoherent motion perfusion imaging in acute stroke: initial clinical experience. Neuroradiology, 2014, 56, 629-635.	1.1	63
117	Double diffusion encoding MRI for the clinic. Magnetic Resonance in Medicine, 2018, 80, 507-520.	1.9	63
118	Comparison of MRI techniques for detecting microadenomas in Cushing's disease. Journal of Neurosurgery, 2018, 128, 1051-1057.	0.9	63
119	Unilateral putaminal CT, MR, and diffusion abnormalities secondary to nonketotic hyperglycemia in the setting of acute neurologic symptoms mimicking stroke. American Journal of Neuroradiology, 2004, 25, 975-6.	1.2	63
120	Computed Tomography Workup of Patients Suspected of Acute Ischemic Stroke. Stroke, 2013, 44, 1049-1055.	1.0	62
121	Imaging of acute traumatic injuries of the thoracic aorta. European Radiology, 2002, 12, 431-442.	2.3	61
122	Resting-State Functional Connectivity Magnetic Resonance Imaging and Outcome After Acute Stroke. Stroke, 2018, 49, 2353-2360.	1.0	61
123	Quantification of Macrophages in High-Grade Gliomas by Using Ferumoxytol-enhanced MRI: A Pilot Study. Radiology, 2019, 290, 198-206.	3.6	61
124	Imaging genomic mapping of an invasive MRI phenotype predicts patient outcome and metabolic dysfunction: a TCGA glioma phenotype research group project. BMC Medical Genomics, 2014, 7, 30.	0.7	60
125	Acute Stroke Triage to Intravenous Thrombolysis and Other Therapies with Advanced CT or MR Imaging: Pro CT. Radiology, 2009, 251, 619-626.	3.6	59
126	Cerebral haemodynamics in patients with glutaryl-coenzyme A dehydrogenase deficiency. Brain, 2010, 133, 76-92.	3.7	59

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127	Carotid plaque computed tomography imaging in stroke and nonstroke patients. Annals of Neurology, 2008, 64, 149-157.	2.8	58
128	Aphasia in hyperacute stroke: Language follows brain penumbra dynamics. Annals of Neurology, 2003, 54, 321-329.	2.8	57
129	Thalamic Connectivity in Patients with Essential Tremor Treated with MR Imagingâ€“guided Focused Ultrasound: In Vivo Fiber Tracking by Using Diffusion-Tensor MR Imaging. Radiology, 2014, 272, 202-209.	3.6	57
130	Patient-centered Radiology: Where Are We, Where Do We Want to Be, and How Do We Get There?. Radiology, 2017, 285, 601-608.	3.6	57
131	Hypoperfusion Intensity Ratio Is Correlated With Patient Eligibility for Thrombectomy. Stroke, 2019, 50, 917-922.	1.0	57
132	The anterior cerebral artery is an appropriate arterial input function for perfusion-CT processing in patients with acute stroke. Neuroradiology, 2008, 50, 227-236.	1.1	56
133	From â€œTime is Brainâ€• to â€œImaging is Brainâ€• A Paradigm Shift in the Management of Acute Ischemic Stroke. Journal of Neuroimaging, 2020, 30, 562-571.	1.0	56
134	Brain perfusion CT: Principles, technique and clinical applications. Radiologia Medica, 2007, 112, 1225-1243.	4.7	55
135	Dynamic Perfusion CT Assessment of the Blood-Brain Barrier Permeability: First Pass versus Delayed Acquisition. American Journal of Neuroradiology, 2008, 29, 1671-1676.	1.2	54
136	Automated versus manual post-processing of perfusion-CT data in patients with acute cerebral ischemia: influence on interobserver variability. Neuroradiology, 2009, 51, 445-451.	1.1	54
137	Refinement of the Magnetic Resonance Diffusion-Perfusion Mismatch Concept for Thrombolytic Patient Selection. Stroke, 2012, 43, 2313-2318.	1.0	54
138	Interobserver Variability in the Assessment of CT Imaging Features of Traumatic Brain Injury. Journal of Neurotrauma, 2010, 27, 325-330.	1.7	53
139	Magnetic resonance elastography of the brain: A comparison between pigs and humans. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 702-710.	1.5	53
140	Imaging of acute ischemic brain injury: the return of computed tomography. Current Opinion in Neurology, 2003, 16, 59-63.	1.8	52
141	Minimally invasive treatment of intracerebral hemorrhage with magnetic resonanceâ€“guided focused ultrasound. Journal of Neurosurgery, 2013, 118, 1035-1045.	0.9	52
142	Pathways for Neuroimaging of Neonatal Stroke. Pediatric Neurology, 2017, 69, 37-48.	1.0	52
143	Traumatic injuries: organization and ergonomics of imaging in the emergency environment. European Radiology, 2002, 12, 959-968.	2.3	51
144	Trends in Lumbar Puncture Over 2 Decades: A Dramatic Shift to Radiology. American Journal of Roentgenology, 2015, 204, 15-19.	1.0	51

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145	Practice type effects on head impact in collegiate football. Journal of Neurosurgery, 2016, 124, 501-510.	0.9	51
146	International Survey of Acute Stroke Imaging Used to Make Revascularization Treatment Decisions. International Journal of Stroke, 2015, 10, 759-762.	2.9	50
147	Imaging of Acute Ischemic Stroke. Neuroimaging Clinics of North America, 2010, 20, 455-468.	0.5	48
148	Volume of subclinical embolic infarct correlates to long-term cognitive changes after carotid revascularization. Journal of Vascular Surgery, 2017, 65, 686-694.	0.6	48
149	Consensus statement on current and emerging methods for the diagnosis and evaluation of cerebrovascular disease. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1391-1417.	2.4	48
150	Association between internal carotid artery dissection and arterial tortuosity. Neuroradiology, 2015, 57, 149-153.	1.1	47
151	Cerebral vascular autoregulation assessed by perfusion-CT in severe head trauma patients. Journal of Neuroradiology, 2006, 33, 27-37.	0.6	46
152	Carotid Atheroma Rupture Observed In Vivo and FSI-Predicted Stress Distribution Based on Pre-rupture Imaging. Annals of Biomedical Engineering, 2010, 38, 2748-2765.	1.3	46
153	Focal Cerebral Arteriopathy of Childhood. Stroke, 2018, 49, 2590-2596.	1.0	46
154	Favorable Venous Outflow Profiles Correlate With Favorable Tissue-Level Collaterals and Clinical Outcome. Stroke, 2021, 52, 1761-1767.	1.0	46
155	Venous Outflow Profiles Are Linked to Cerebral Edema Formation at Noncontrast Head CT after Treatment in Acute Ischemic Stroke Regardless of Collateral Vessel Status at CT Angiography. Radiology, 2021, 299, 682-690.	3.6	45
156	Perfusion-CT guided intravenous thrombolysis in patients with unknown-onset stroke: a randomized, double-blind, placebo-controlled, pilot feasibility trial. Neuroradiology, 2012, 54, 579-588.	1.1	44
157	Application of diffusion-weighted magnetic resonance imaging to predict the intracranial metastatic tumor response to gamma knife radiosurgery. Journal of Neuro-Oncology, 2014, 118, 351-361.	1.4	44
158	Perfusion CT compared to H2 15O/O15O PET in patients with chronic cervical carotid artery occlusion. Neuroradiology, 2008, 50, 745-751.	1.1	43
159	Responses to the 10 Most Frequently Asked Questions About Perfusion CT. American Journal of Roentgenology, 2011, 196, 53-60.	1.0	43
160	Contemporary Imaging of Cerebral Arteriovenous Malformations. American Journal of Roentgenology, 2017, 208, 1320-1330.	1.0	43
161	Transcranial MRIâ€guided highâ€intensity focused ultrasound for treatment of essential tremor: A pilot study on the correlation between lesion size, lesion location, thermal dose, and clinical outcome. Journal of Magnetic Resonance Imaging, 2018, 48, 58-65.	1.9	43
162	Deep Learning Convolutional Neural Networks for the AutomaticÂQuantification ofÂMuscle Fat Infiltration Following Whiplash Injury. Scientific Reports, 2019, 9, 7973.	1.6	43

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163	Spinal Arterial Anatomy and Risk Factors for Lower Extremity Weakness Following Endovascular Thoracoabdominal Aortic Aneurysm Repair With Branched Stent-Grafts. Journal of Endovascular Therapy, 2008, 15, 356-362.	0.8	42
164	Causes of Misinterpretation of Cross-Sectional Imaging Studies for Dissection of the Craniocervical Arteries. American Journal of Roentgenology, 2011, 196, 45-52.	1.0	42
165	Prediction of Recanalization Trumps Prediction of Tissue Fate. Stroke, 2013, 44, 1014-1019.	1.0	42
166	Imaging of Atypical and Complicated Posterior Reversible Encephalopathy Syndrome. Frontiers in Neurology, 2019, 10, 964.	1.1	42
167	Clinical application of perfusion computed tomography in neurosurgery. Journal of Neurosurgery, 2014, 120, 473-488.	0.9	41
168	A combinatorial radiographic phenotype may stratify patient survival and be associated with invasion and proliferation characteristics in glioblastoma. Journal of Neurosurgery, 2016, 124, 1008-1017.	0.9	40
169	IVIM perfusion fraction is prognostic for survival in brain glioma. Clinical Neuroradiology, 2017, 27, 485-492.	1.0	40
170	Blunt traumatic rupture of a mainstem bronchus: spiral CT demonstration of the "fallen lung" sign. European Radiology, 2001, 11, 409-411.	2.3	39
171	Supracardiac atherosclerosis in embolic stroke of undetermined source: the underestimated source. European Heart Journal, 2021, 42, 1789-1796.	1.0	39
172	Perfusion Computed Tomographic Imaging and Surgical Selection With Patients After Poor-Grade Aneurysmal Subarachnoid Hemorrhage. Neurosurgery, 2010, 67, 964-975.	0.6	38
173	Demographic and Clinical Predictors of Leptomeningeal Collaterals in Stroke Patients. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 2018-2022.	0.7	38
174	Dynamic CT for Parathyroid Disease: Are Multiple Phases Necessary?. American Journal of Neuroradiology, 2014, 35, 1959-1964.	1.2	38
175	Inflammatory Biomarkers in Childhood Arterial Ischemic Stroke. Stroke, 2016, 47, 2221-2228.	1.0	38
176	A review of potential applications of MR-guided focused ultrasound for targeting brain tumor therapy. Neurosurgical Focus, 2018, 44, E10.	1.0	38
177	Advanced Neuroimaging of Acute Ischemic Stroke. Neuroimaging Clinics of North America, 2018, 28, 585-597.	0.5	38
178	MRI patterns of global hypoxic-ischemic injury in adults. Journal of Neuroradiology, 2013, 40, 164-171.	0.6	37
179	Neuroimaging of Traumatic Brain Injury. Medical Sciences (Basel, Switzerland), 2019, 7, 2.	1.3	37
180	Optimal Duration of Acquisition for Dynamic Perfusion CT Assessment of Blood-Brain Barrier Permeability Using the Patlak Model. American Journal of Neuroradiology, 2009, 30, 1366-1370.	1.2	36

#	Article	IF	Citations
181	Carotid plaque imaging and the risk of atherosclerotic cardiovascular disease. Cardiovascular Diagnosis and Therapy, 2020, 10, 1048-1067.	0.7	36
182	A Simplified Model for Intravoxel Incoherent Motion Perfusion Imaging of the Brain. American Journal of Neuroradiology, 2016, 37, 2251-2257.	1.2	35
183	Clinical Evaluation of Silent T1-Weighted MRI and Silent MR Angiography of the Brain. American Journal of Roentgenology, 2018, 210, 404-411.	1.0	35
184	Management of Incidental Pituitary Findings on CT, MRI, and 18 F-Fluorodeoxyglucose PET: A White Paper of the ACR Incidental Findings Committee. Journal of the American College of Radiology, 2018, 15, 966-972.	0.9	35
185	Nusinersen Treatment in Adults With Spinal Muscular Atrophy. Neurology: Clinical Practice, 2021, 11, e317-e327.	0.8	35
186	The Triple Rule-Out for Acute Ischemic Stroke: Imaging the Brain, Carotid Arteries, Aorta, and Heart. American Journal of Neuroradiology, 2010, 31, 1290-1296.	1.2	34
187	Dynamic perfusion-CT assessment of early changes in blood brain barrier permeability of acute ischaemic stroke patients. Journal of Neuroradiology, 2011, 38, 161-166.	0.6	34
188	Utilizing dual energy CT to improve CT diagnosis of posterior fossa ischemia. Journal of Neuroradiology, 2016, 43, 346-352.	0.6	34
189	Association of Venous Outflow Profiles and Successful Vessel Reperfusion After Thrombectomy. Neurology, 2021, 96, .	1.5	34
190	Survey of After-Hours Coverage of Emergency Department Imaging Studies by US Academic Radiology Departments. Journal of the American College of Radiology, 2014, 11, 725-730.	0.9	33
191	Neuroimaging selection for thrombectomy in pediatric stroke: a single-center experience. Journal of NeuroInterventional Surgery, 2019, 11, 940-946.	2.0	33
192	Magnetic resonance angiography to evaluate septocutaneous perforators in free fibula flap transfer. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2010, 63, 1099-1104.	0.5	32
193	Neuroimaging of Cerebral Ischemia and Infarction. Neurotherapeutics, 2011, 8, 19-27.	2.1	32
194	Clinical Risk Factors and CT Imaging Features of Carotid Atherosclerotic Plaques as Predictors of New Incident Carotid Ischemic Stroke: A Retrospective Cohort Study. American Journal of Neuroradiology, 2013, 34, 402-409.	1.2	32
195	Safety of Computed Tomographic Angiography in the Evaluation of Patients With Acute Stroke. Stroke, 2016, 47, 2045-2050.	1.0	32
196	Evolution of Volume and Signal Intensity on Fluid-attenuated Inversion Recovery MR Images after Endovascular Stroke Therapy. Radiology, 2016, 280, 184-192.	3.6	32
197	Effects of Sex and Event Type on Head Impact in Collegiate Soccer. Orthopaedic Journal of Sports Medicine, 2017, 5, 232596711770170.	0.8	32
198	Augmented Reality: Advances in Diagnostic Imaging. Multimodal Technologies and Interaction, 2017, 1, 29.	1.7	32

#	Article	IF	Citations
199	Determining factors of better leptomeningeal collaterals: a study of 857 consecutive acute ischemic stroke patients. Journal of Neurology, 2019, 266, 582-588.	1.8	32
200	Correlation between ASPECTS and Core Volume on CT Perfusion: Impact of Time since Stroke Onset and Presence of Large-Vessel Occlusion. American Journal of Neuroradiology, 2021, 42, 422-428.	1.2	32
201	Intravoxel Incoherent Motion Metrics as Potential Biomarkers for Survival in Glioblastoma. PLoS ONE, 2016, 11, e0158887.	1.1	32
202	The role of imaging in acute ischemic stroke. Neurosurgical Focus, 2014, 36, E3.	1.0	31
203	Imaging Selection for Reperfusion Therapy in Acute Ischemic Stroke. Current Treatment Options in Neurology, 2015, 17, 332.	0.7	31
204	Traumatic Brain Injury Imaging Research Roadmap. American Journal of Neuroradiology, 2015, 36, E12-E23.	1.2	31
205	Vessel Wallâ€“Imaging Biomarkers of Carotid Plaque Vulnerability in StrokeÂPrevention Trials. JACC: Cardiovascular Imaging, 2020, 13, 2445-2456.	2.3	31
206	Multimodal CT in Stroke Imaging: New Concepts. Radiologic Clinics of North America, 2009, 47, 109-116.	0.9	30
207	Evaluation of monoenergetic imaging to reduce metallic instrumentation artifacts in computed tomography of the cervical spine. Journal of Neurosurgery: Spine, 2015, 22, 34-38.	0.9	30
208	Perfusion imaging-based tissue-level collaterals predict ischemic lesion net water uptake in patients with acute ischemic stroke and large vessel occlusion. Journal of Cerebral Blood Flow and Metabolism, 2021, 41, 0271678X2199220.	2.4	30
209	Optimal Brain Perfusion CT Coverage in Patients with Acute Middle Cerebral Artery Stroke. American Journal of Neuroradiology, 2010, 31, 691-695.	1.2	29
210	Ischemic Stroke: Etiologic Work-up with Multidetector CT of Heart and Extra- and Intracranial Arteries. Radiology, 2011, 258, 206-212.	3.6	29
211	Comparison of Computed Tomography Angiography and Transesophageal Echocardiography for Evaluating Aortic Arch Disease. Journal of Stroke and Cerebrovascular Diseases, 2011, 20, 436-442.	0.7	29
212	Endovascular versus medical therapy for large-vessel anterior occlusive stroke presenting with mild symptoms. International Journal of Stroke, 2020, 15, 324-331.	2.9	29
213	Concurrent brain structural and functional alterations in patients with migraine without aura: an fMRI study. Journal of Headache and Pain, 2020, 21, 141.	2.5	29
214	Validation of In Vivo Magnetic Resonance Imaging Bloodâ€“Brain Barrier Permeability Measurements by Comparison With Gold Standard Histology. Stroke, 2011, 42, 2054-2060.	1.0	28
215	Optimal Perfusion Computed Tomographic Thresholds for Ischemic Core and Penumbra Are Not Time Dependent in the Clinically Relevant Time Window. Stroke, 2014, 45, 1355-1362.	1.0	28
216	Adaptive statistical iterative reconstruction reduces patient radiation dose in neuroradiology CT studies. Neuroradiology, 2014, 56, 187-193.	1.1	28

#	Article	IF	Citations
217	Eligibility for late endovascular treatment using DAWN, DEFUSE-3, and more liberal selection criteria in a stroke center. Journal of NeuroInterventional Surgery, 2020, 12, 842-847.	2.0	28
218	Rapid 3D dynamic arterial spin labeling with a sparse model-based image reconstruction. NeuroImage, 2015, 121, 205-216.	2.1	27
219	Venous imaging-based biomarkers in acute ischaemic stroke. Journal of Neurology, Neurosurgery and Psychiatry, 2017, 88, 62-69.	0.9	27
220	Patient Outcomes and Cerebral Infarction after Ruptured Anterior Communicating Artery Aneurysm Treatment. American Journal of Neuroradiology, 2017, 38, 2119-2125.	1.2	27
221	Collaterals are a major determinant of the core but not the penumbra volume in acute ischemic stroke. Neuroradiology, 2019, 61, 971-978.	1.1	27
222	Diffusion tensor tractography of brainstem fibers and its application in pain. PLoS ONE, 2020, 15, e0213952.	1.1	27
223	The Role of CT and MRI in the Emergency Evaluation of Persons with Suspected Stroke. Current Neurology and Neuroscience Reports, 2010, 10, 21-28.	2.0	26
224	Effective time window in reducing pituitary adenoma size by gamma knife radiosurgery. Pituitary, 2015, 18, 509-517.	1.6	26
225	The alphabet soup of perfusion CT and MR imaging: terminology revisited and clarified in five questions. Neuroradiology, 2012, 54, 907-918.	1.1	25
226	Multimodal MR imaging model to predict tumor infiltration in patients with gliomas. Neuroradiology, 2014, 56, 107-115.	1.1	25
227	Imaging in StrokeNet. Stroke, 2015, 46, 2000-2006.	1.0	25
228	Pediatric Stroke Imaging. Pediatric Neurology, 2018, 86, 5-18.	1.0	25
229	CT Angiography for Triage of Patients with Acute Minor Stroke: A Cost-effectiveness Analysis. Radiology, 2020, 294, 580-588.	3.6	25
230	Roadmap Consensus on Carotid Artery Plaque Imaging and Impact on Therapy Strategies and Guidelines: An International, Multispecialty, Expert Review and Position Statement. American Journal of Neuroradiology, 2021, 42, 1566-1575.	1.2	25
231	Multicenter DSCâ€“MRI-Based Radiomics Predict IDH Mutation in Gliomas. Cancers, 2021, 13, 3965.	1.7	25
232	Imaging of acute ischemic brain injury: the return of computed tomography. Current Opinion in Neurology, 2003, 16, 59-63.	1.8	25
233	Multiparametric Magnetic Resonance Imaging for Prediction of Parenchymal Hemorrhage in Acute Ischemic Stroke After Reperfusion Therapy. Stroke, 2017, 48, 664-670.	1.0	24
234	Collateral blood flow measurement with intravoxel incoherent motion perfusion imaging in hyperacute brain stroke. Neurology, 2019, 92, e2462-e2471.	1.5	24

#	Article	IF	Citations
235	Age- and anatomy-related values of blood-brain barrier permeability measured by perfusion-CT in non-stroke patients. Journal of Neuroradiology, 2009, 36, 219-227.	0.6	23
236	Stroke Treatment Academic Industry Roundtable. Stroke, 2013, 44, 3596-3601.	1.0	23
237	T1-weighted MRI as a substitute to CT for refocusing planning in MR-guided focused ultrasound. Physics in Medicine and Biology, 2014, 59, 3599-3614.	1.6	23
238	Relationship between white matter hyperintensities volume and the circle of Willis configurations in patients with carotid artery pathology. European Journal of Radiology, 2017, 89, 111-116.	1.2	23
239	Neuroimaging Radiological Interpretation System for Acute Traumatic Brain Injury. Journal of Neurotrauma, 2018, 35, 2665-2672.	1.7	23
240	Reducing Inappropriate Lumbar Spine MRI for Low Back Pain: Radiology Support, Communication and Alignment Network. Journal of the American College of Radiology, 2018, 15, 116-122.	0.9	23
241	Semiautomated Characterization of Carotid Artery Plaque Features From Computed Tomography Angiography to Predict Atherosclerotic Cardiovascular Disease Risk Score. Journal of Computer Assisted Tomography, 2019, 43, 452-459.	0.5	23
242	CT imaging features of carotid artery plaque vulnerability. Annals of Translational Medicine, 2020, 8, 1261-1261.	0.7	23
243	Brainstem atrophy in Gulf War Illness. NeuroToxicology, 2020, 78, 71-79.	1.4	23
244	Quantitative measurement of blood-brain barrier permeability using perfusion-CT in extra-axial brain tumors. Journal of Neuroradiology, 2006, 33, 164-168.	0.6	22
245	Do Microemboli Reach the Brain Penetrating Arteries?. Journal of Surgical Research, 2012, 176, 679-683.	0.8	22
246	Advanced neuroimaging in stroke patients: prediction of tissue fate and hemorrhagic transformation. Expert Review of Cardiovascular Therapy, 2012, 10, 515-524.	0.6	22
247	Arterial Tortuosity: An Imaging Biomarker of Childhood Stroke Pathogenesis?. Stroke, 2016, 47, 1265-1270.	1.0	22
248	Parvovirus B19 Infection in Children With Arterial Ischemic Stroke. Stroke, 2017, 48, 2875-2877.	1.0	22
249	Collateral Status in Ischemic Stroke: A Comparison of Computed Tomography Angiography, Computed Tomography Perfusion, and Digital Subtraction Angiography. Journal of Computer Assisted Tomography, 2020, 44, 984-992.	0.5	22
250	Imaging Predictors of Neurologic Outcome After Pediatric Arterial Ischemic Stroke. Stroke, 2021, 52, 152-161.	1.0	22
251	Automatic segmentation, feature extraction and comparison of healthy and stroke cerebral vasculature. NeuroImage: Clinical, 2021, 30, 102573.	1.4	22
252	International Union of Angiology (IUA) consensus paper on imaging strategies in atherosclerotic carotid artery imaging: From basic strategies to advanced approaches. Atherosclerosis, 2022, 354, 23-40.	0.4	22

#	Article	IF	Citations
253	Perfusion Imaging in Acute Traumatic Brain Injury. Neuroimaging Clinics of North America, 2018, 28, 55-65.	0.5	21
254	Proposed achievable levels of dose and impact of dose-reduction systems for thrombectomy in acute ischemic stroke: an international, multicentric, retrospective study in 1096 patients. European Radiology, 2019, 29, 3506-3515.	2.3	21
255	Arterial-spin labeling MRI identifies residual cerebral arteriovenous malformation following stereotactic radiosurgery treatment. Journal of Neuroradiology, 2020, 47, 13-19.	0.6	21
256	Carotid Atherosclerosis Does Not Predict Coronary, Vertebral, or Aortic Atherosclerosis in Patients With Acute Stroke Symptoms. Stroke, 2010, 41, 1604-1609.	1.0	20
257	Use of Computed Tomography to Identify Atrial Fibrillation Associated Differences in Left Atrial Wall Thickness and Density. PACE - Pacing and Clinical Electrophysiology, 2013, 36, 55-62.	0.5	20
258	Influence of Chronic Hyperglycemia on Cerebral Microvascular Remodeling. Stroke, 2013, 44, 3557-3560.	1.0	20
259	Effects of tissue plasminogen activator timing on bloodâ€“brain barrier permeability and hemorrhagic transformation in rats with transient ischemic stroke. Journal of the Neurological Sciences, 2014, 347, 148-154.	0.3	20
260	Outcomes after endovascular treatment for anterior circulation stroke presenting as wake-up strokes are not different than those with witnessed onset beyond 8â€…hours. Journal of NeuroInterventional Surgery, 2015, 7, 875-880.	2.0	20
261	Relationship between leukoaraiosis, carotid intima-media thickness and intima-media thickness variability: Preliminary results. European Radiology, 2016, 26, 4423-4431.	2.3	20
262	Time-resolved CT assessment of collaterals as imaging biomarkers to predict clinical outcomes in acute ischemic stroke. Neuroradiology, 2017, 59, 1101-1109.	1.1	20
263	Optimization of a Multifrequency Magnetic Resonance Elastography Protocol for the Human Brain. Journal of Neuroimaging, 2019, 29, 440-446.	1.0	20
264	Longitudinal Changes in Hippocampal Subfield Volume Associated with Collegiate Football. Journal of Neurotrauma, 2019, 36, 2762-2773.	1.7	20
265	Comparison of MRI IVIM and MR perfusion imaging in acute ischemic stroke due to large vessel occlusion. International Journal of Stroke, 2020, 15, 332-342.	2.9	20
266	Seizures and Outcome One Year After Neonatal and Childhood Cerebral Sinovenous Thrombosis. Pediatric Neurology, 2020, 105, 21-26.	1.0	20
267	Computed Tomography Perfusion Data for Acute Ischemic Stroke Evaluation Using Rapid Software. Journal of Computer Assisted Tomography, 2020, 44, 75-77.	0.5	20
268	Distinct intraâ€arterial clot localization affects tissueâ€level collaterals and venous outflow profiles. European Journal of Neurology, 2021, 28, 4109-4116.	1.7	20
269	Motor trephine syndrome: A mechanistic hypothesis. Acta Neurochirurgica Supplementum, 2008, 102, 273-277.	0.5	20
270	Posttraumatic pseudolipoma: MRI appearances. European Radiology, 2005, 15, 1876-1880.	2.3	19

#	Article	IF	Citations
271	Simulation model for contrast agent dynamics in brain perfusion scans. Magnetic Resonance in Medicine, 2010, 64, 280-290.	1.9	19
272	Effect of neoadjuvant temozolomide upon volume reduction and resection of diffuse low-grade glioma. Journal of Neuro-Oncology, 2014, 120, 155-161.	1.4	19
273	Factors influencing infarct growth including collateral status assessed using computed tomography in acute stroke patients with large artery occlusion. International Journal of Stroke, 2019, 14, 603-612.	2.9	19
274	MRI of Geometric and Compositional Features of Vulnerable Carotid Plaque. Stroke, 2007, 38, 637-641.	1.0	18
275	Perfusion-CT of developmental venous anomalies: typical and atypical hemodynamic patterns. Journal of Neuroradiology, 2010, 37, 239-242.	0.6	18
276	Assessment of collateral flow in patients with cerebrovascular disorders. Journal of Neuroradiology, 2014, 41, 234-242.	0.6	18
277	Accuracy of MRI for the diagnosis of metastatic cervical lymphadenopathy in patients with thyroid cancer. Radiologia Medica, 2015, 120, 959-966.	4.7	18
278	Prediction of Recanalization in Acute Stroke Patients Receiving Intravenous and Endovascular Revascularization Therapy. International Journal of Stroke, 2015, 10, 28-36.	2.9	18
279	Detection of parathyroid adenomas using a monophasic dual-energy computed tomography acquisition: diagnostic performance and potential radiation dose reduction. Neuroradiology, 2016, 58, 1135-1141.	1.1	18
280	Altered Microstructural Caudate Integrity in Posttraumatic Stress Disorder but Not Traumatic Brain Injury. PLoS ONE, 2017, 12, e0170564.	1.1	18
281	MR Perfusion to Determine the Status of Collaterals in Patients with Acute Ischemic Stroke: A Look Beyond Time Maps. American Journal of Neuroradiology, 2018, 39, 219-225.	1.2	18
282	Computed Tomography, Computed Tomography Angiography, and Perfusion Computed Tomography Evaluation of Acute Ischemic Stroke. Neuroimaging Clinics of North America, 2018, 28, 565-572.	0.5	18
283	The Aging Imageomics Study: rationale, design and baseline characteristics of the study population. Mechanisms of Ageing and Development, 2020, 189, 111257.	2.2	18
284	Virtual monochromatic dual-energy CT reconstructions improve detection of cerebral infarct in patients with suspicion of stroke. Neuroradiology, 2021, 63, 41-49.	1.1	18
285	Intravoxel incoherent motion (IVIM) modeling of diffusion MRI during chemoradiation predicts therapeutic response in IDH wildtype glioblastoma. Radiotherapy and Oncology, 2021, 156, 258-265.	0.3	18
286	Morphological and functional MR imaging of Lhermitteâ€“Duclos disease with pathology correlate. Journal of Neuroradiology, 2008, 35, 297-300.	0.6	17
287	Perfusion-CT assessment of the cerebrovascular reserve: A revisit to the acetazolamide challenges. Journal of Neuroradiology, 2008, 35, 157-164.	0.6	17
288	Dental Flat Panel Conebeam CT in the Evaluation of Patients with Inflammatory Sinonasal Disease: Diagnostic Efficacy and Radiation Dose Savings. American Journal of Neuroradiology, 2014, 35, 2052-2057.	1.2	17

#	Article	IF	Citations
289	Common Data Elements for Radiological Imaging of Patients with Subarachnoid Hemorrhage: Proposal of a Multidisciplinary Research Group. Neurocritical Care, 2019, 30, 60-78.	1.2	17
290	Longitudinal alteration of cortical thickness and volume in high-impact sports. NeuroImage, 2020, 217, 116864.	2.1	17
291	Optimization of Perfusion Imaging for Acute Cerebral Ischemia: Review of Recent Clinical Trials and Recommendations for Future Studies. American Journal of Roentgenology, 2008, 191, 1263-1270.	1.0	16
292	The distribution and size of ischemic lesions after carotid artery angioplasty and stenting: Evidence for microembolization to terminal arteries. Journal of Vascular Surgery, 2011, 53, 971-976.	0.6	16
293	A Pictorial Essay of Brain Perfusionâ€CT: Not Every Abnormality Is a Stroke!. Journal of Neuroimaging, 2012, 22, e20-33.	1.0	16
294	CTA-enhanced perfusion CT: an original method to perform ultra-low-dose CTA-enhanced perfusion CT. Neuroradiology, 2014, 56, 955-964.	1.1	16
295	Correlation of diffusion tensor tractography and intraoperative macrostimulation during deep brain stimulation for Parkinson disease. Journal of Neurosurgery, 2014, 121, 929-935.	0.9	16
296	Using Standard First-Pass Perfusion Computed Tomographic Data to Evaluate Collateral Flow in Acute Ischemic Stroke. Stroke, 2015, 46, 961-967.	1.0	16
297	Reduced Intravoxel Incoherent Motion Microvascular Perfusion Predicts Delayed Cerebral Ischemia and Vasospasm After Aneurysm Rupture. Stroke, 2018, 49, 741-745.	1.0	16
298	Reorganization of brain networks following carotid endarterectomy: an exploratory study using resting state functional connectivity with a focus on the changes in Default Mode Network connectivity. European Journal of Radiology, 2019, 110, 233-241.	1.2	16
299	Viscoelasticity of children and adolescent brains through MR elastography. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 115, 104229.	1.5	16
300	Prediction of Clinical Outcome in Patients with Large-Vessel Acute Ischemic Stroke: Performance of Machine Learning versus SPAN-100. American Journal of Neuroradiology, 2021, 42, 240-246.	1.2	16
301	The Cerebral Collateral Cascade. Neurology, 2022, 98, .	1.5	16
302	MR pattern of hyperacute cerebral hemorrhage. Journal of Magnetic Resonance Imaging, 2002, 15, 705-709.	1.9	15
303	Modern imaging of the infarct core and the ischemic penumbra in acute stroke patients: CT versus MRI. Expert Review of Cardiovascular Therapy, 2009, 7, 395-403.	0.6	15
304	Evolution of CT Imaging Features of Carotid Atherosclerotic Plaques in a 1â€Year Prospective Cohort Study. Journal of Neuroimaging, 2014, 24, 1-6.	1.0	15
305	Intraventricular migration of silicone oil: A mimic of traumatic and neoplastic pathology. Journal of Clinical Neuroscience, 2015, 22, 1205-1207.	0.8	15
306	Cerebral amyloid angiopathy-related inflammation: A potentially reversible cause of dementia with characteristic imaging findings. Journal of Neuroradiology, 2016, 43, 11-17.	0.6	15

#	Article	IF	Citations
307	High-permeability region size on perfusion CT predicts hemorrhagic transformation after intravenous thrombolysis in stroke. PLoS ONE, 2017, 12, e0188238.	1.1	15
308	Stability of Blood Biomarkers of Traumatic Brain Injury. Journal of Neurotrauma, 2019, 36, 2407-2416.	1.7	15
309	Imaging Evaluation of the Adult Presenting With New-Onset Seizure. American Journal of Roentgenology, 2019, 212, 15-25.	1.0	15
310	Favourable arterial, tissue-level and venous collaterals correlate with early neurological improvement after successful thrombectomy treatment of acute ischaemic stroke. Journal of Neurology, Neurosurgery and Psychiatry, 2022, 93, 701-706.	0.9	15
311	Perfusion-CT assessment of blood-brain barrier permeability in patients with aneurysmal subarachnoid hemorrhage. Journal of Neuroradiology, 2012, 39, 317-325.	0.6	14
312	A spiralâ€based volumetric acquisition for MR temperature imaging. Magnetic Resonance in Medicine, 2018, 79, 3122-3127.	1.9	14
313	Dual-Energy Computed Tomography Applications in Neurointervention. Journal of Computer Assisted Tomography, 2018, 42, 831-839.	0.5	14
314	Automated Brain Perfusion Imaging in Acute Ischemic Stroke: Interpretation Pearls and Pitfalls. Stroke, 2021, 52, 3728-3738.	1.0	14
315	CT Perfusion collateral index in assessment of collaterals in acute ischemic stroke with delayed presentation: Comparison to single phase CTA. Journal of Neuroradiology, 2022, 49, 198-204.	0.6	14
316	Venous outflow profiles are associated with early edema progression in ischemic stroke. International Journal of Stroke, 2022, 17, 1078-1084.	2.9	14
317	Contrast Delay on Perfusion CT as a Predictor of New, Incident Infarct. Stroke, 2012, 43, 1295-1301.	1.0	13
318	Acute Imaging Does Not Improve ASTRAL Score's Accuracy despite Having a Prognostic Value. International Journal of Stroke, 2014, 9, 926-931.	2.9	13
319	Noninvasive evaluation of the regional variations of GABA using magnetic resonance spectroscopy at 3 Tesla. Magnetic Resonance Imaging, 2015, 33, 611-617.	1.0	13
320	Non-Invasive, Focal Disconnection of Brain Circuitry Using Magnetic Resonance-Guided Low-Intensity Focused UltrasoundÂto Deliver a Neurotoxin. Ultrasound in Medicine and Biology, 2016, 42, 2261-2269.	0.7	13
321	Prediction of Early Arterial Recanalization and Tissue Fate in the Selection of Patients With the Greatest Potential to Benefit From Intravenous Tissue-Type Plasminogen Activator. Stroke, 2016, 47, 397-403.	1.0	13
322	Can diffusion- and perfusion-weighted imaging alone accurately triage anterior circulation acute ischemic stroke patients to endovascular therapy?. Journal of NeuroInterventional Surgery, 2018, 10, 1132-1136.	2.0	13
323	MR elastography frequencyâ€“dependent and independent parameters demonstrate accelerated decrease of brain stiffness in elder subjects. European Radiology, 2020, 30, 6614-6623.	2.3	13
324	Can COVID19 trigger the plaque vulnerabilityâ€”a Kounis syndrome warning for â€œasymptomatic subjectsâ€• Cardiovascular Diagnosis and Therapy, 2020, 10, 1352-1355.	0.7	13

#	Article	IF	Citations
325	The Utility of Domain-Specific End Points in Acute Stroke Trials. Stroke, 2021, 52, 1154-1161.	1.0	13
326	Intravenous tPA (Tissue-Type Plasminogen Activator) Correlates With Favorable Venous Outflow Profiles in Acute Ischemic Stroke. Stroke, 2022, 53, 3145-3152.	1.0	13
327	Identification of residual ischemia, infarction, and microvascular impairment in revascularized myocardial infarction using 64â€slice MDCT. Contrast Media and Molecular Imaging, 2008, 3, 198-206.	0.4	12
328	Accuracy and Anatomical Coverage of Perfusion CT Assessment of the Blood-Brain Barrier Permeability: One Bolus versus Two Boluses. Cerebrovascular Diseases, 2008, 26, 600-605.	0.8	12
329	Computed Tomography Perfusion in Acute Ischemic Stroke. Stroke, 2015, 46, 2364-2367.	1.0	12
330	Neuroimaging Wisely. American Journal of Neuroradiology, 2016, 37, 2182-2188.	1.2	12
331	High-resolution blood-pool-contrast-enhanced MR angiography in glioblastoma: tumor-associated neovascularization as a biomarker for patient survival. A preliminary study. Neuroradiology, 2016, 58, 17-26.	1.1	12
332	Understanding the Neurophysiology and Quantification of Brain Perfusion. Topics in Magnetic Resonance Imaging, 2017, 26, 57-65.	0.7	12
333	The â€œWhite Gray Signâ€•Identifies the Central Sulcus on 3T High-Resolution T1-Weighted Images. American Journal of Neuroradiology, 2017, 38, 276-280.	1.2	12
334	Focal Low and Global High Permeability Predict the Possibility, Risk, and Location of Hemorrhagic Transformation following Intra-Arterial Thrombolysis Therapy in Acute Stroke. American Journal of Neuroradiology, 2017, 38, 1730-1736.	1.2	12
335	Dual Energy Computed Tomography Applications for the Evaluation of the Spine. Neuroimaging Clinics of North America, 2017, 27, 483-487.	0.5	12
336	Evaluation of Thick-Slab Overlapping MIP Images of Contrast-Enhanced 3D T1-Weighted CUBE for Detection of Intracranial Metastases: A Pilot Study for Comparison of Lesion Detection, Interpretation Time, and Sensitivity with Nonoverlapping CUBE MIP, CUBE, and Inversion-Recovery-Prepared Fast-Spoiled Gradient Recalled Brain Volume. American Journal of Neuroradiology, 2018, 39, 1635-1642.	1.2	12
337	Accuracy of detecting enlargement of aneurysms using different MRI modalities and measurement protocols. Journal of Neurosurgery, 2019, 130, 559-565.	0.9	12
338	Simultaneous FDG-PET/MRI detects hippocampal subfield metabolic differences in AD/MCI. Scientific Reports, 2020, 10, 12064.	1.6	12
339	Safety and Effectiveness of Neuro-thrombectomy on Single compared to Biplane Angiography Systems. Scientific Reports, 2020, 10, 4470.	1.6	12
340	Chapter 49 Imaging of brain parenchyma in stroke. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2008, 94, 1011-1019.	1.0	11
341	The pre-requisite of a second-generation glioma PET biomarker. Journal of the Neurological Sciences, 2010, 298, 11-16.	0.3	11
342	Optimal carotid artery coverage for carotid plaque CT-imaging in predicting ischemic stroke. Journal of Neuroradiology, 2010, 37, 98-103.	0.6	11

#	Article	IF	Citations
343	Delay Correction for the Assessment of Blood-Brain Barrier Permeability Using First-Pass Dynamic Perfusion CT. American Journal of Neuroradiology, 2011, 32, E134-E138.	1.2	11
344	A case of Terson syndrome and its mechanism of bleeding. Journal of Neuroradiology, 2013, 40, 312-314.	0.6	11
345	Final infarct volume discriminates outcome in mild strokes. Neuroradiology Journal, 2015, 28, 404-408.	0.6	11
346	Defining the Optimal Age for Focal Lesioning in a Rat Model ofÂTranscranial HIFU. Ultrasound in Medicine and Biology, 2015, 41, 449-455.	0.7	11
347	Radiation dose and image quality of computed tomography of the supra-aortic arteries: A comparison between single-source and dual-source CT Scanners. Journal of Neuroradiology, 2018, 45, 136-141.	0.6	11
348	FDG PET/MRI Coregistration Helps Predict Response to Gamma Knife Radiosurgery in Patients With Brain Metastases. American Journal of Roentgenology, 2019, 212, 425-430.	1.0	11
349	Assessing the Relationship between Atherosclerotic Cardiovascular Disease Risk Score and Carotid Artery Imaging Findings. Journal of Neuroimaging, 2019, 29, 119-125.	1.0	11
350	White Matter Asymmetry: A Reflection of Pathology in Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 373-381.	1.7	11
351	Effect of Electronic Clinical Decision Support on Imaging for the Evaluation of Acute Low Back Pain in the Ambulatory Care Setting. World Neurosurgery, 2020, 134, e874-e877.	0.7	11
352	Everything Every Radiologist Always Wanted (and Needs) to Know About Clinical Decision Support. Journal of the American College of Radiology, 2020, 17, 568-573.	0.9	11
353	Multinational Survey of Current Practice from Imaging to Treatment of Atherosclerotic Carotid Stenosis. Cerebrovascular Diseases, 2021, 50, 108-120.	0.8	11
354	Altered cerebral perfusion in response to chronic mild hypercapnia and head-down tilt Bed rest as an analog for Spaceflight. Neuroradiology, 2021, 63, 1271-1281.	1.1	11
355	Semi-automated computer assessment of the degree of carotid artery stenosis compares favorably to visual evaluation. Journal of the Neurological Sciences, 2008, 269, 74-79.	0.3	10
356	Perfusion CT Imaging Follows Clinical Severity in Left Hemispheric Strokes. European Neurology, 2008, 60, 244-252.	0.6	10
357	Monitoring Serial Change in the Lumen and Outer Wall of Vertebrobasilar Aneurysms. American Journal of Neuroradiology, 2008, 29, 259-264.	1.2	10
358	MRI Bloodâ€“Brain Barrier Permeability Measurements to Predict Hemorrhagic Transformation in a Rat Model of Ischemic Stroke. Translational Stroke Research, 2012, 3, 508-516.	2.3	10
359	Subependymal seeding of low-grade oligodendroglial neoplasms: a case series. Journal of Neuro-Oncology, 2012, 108, 99-108.	1.4	10
360	Validation of FDG Uptake in the Arterial Wall as an Imaging Biomarker of Atherosclerotic Plaques with ¹⁸Fâ€Fluorodeoxyglucose Positron Emission Tomographyâ€Computed Tomography (FDGâ€PET/CT). Journal of Neuroimaging, 2014, 24, 117-123.	1.0	10

#	Article	IF	Citations
361	Delay-sensitive and delay-insensitive deconvolution perfusion-CT: similar ischemic core and penumbra volumes if appropriate threshold selected for each. Neuroradiology, 2015, 57, 573-581.	1.1	10
362	Mismatch of Low Perfusion and High Permeability Predicts Hemorrhagic Transformation Region in Acute Ischemic Stroke Patients Treated with Intra-arterial Thrombolysis. Scientific Reports, 2016, 6, 27950.	1.6	10
363	R-SCAN: CT Angiographic Imaging for Pulmonary Embolism. Journal of the American College of Radiology, 2017, 14, 637-640.	0.9	10
364	Multiple-response regression analysis links magnetic resonance imaging features to de-regulated protein expression and pathway activity in lower grade glioma. Oncoscience, 2017, 4, 57-66.	0.9	10
365	Current Clinical State of Advanced Magnetic Resonance Imaging for Brain Tumor Diagnosis and Follow Up. Seminars in Roentgenology, 2018, 53, 45-61.	0.2	10
366	New developments in clinical ischemic stroke prevention and treatment and their imaging implications. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 1533-1550.	2.4	10
367	Neuroimaging of brain trauma. Current Opinion in Neurology, 2018, 31, 362-370.	1.8	10
368	Perfusion Computed Tomography in Acute Ischemic Stroke. Radiologic Clinics of North America, 2019, 57, 1109-1116.	0.9	10
369	Artificial Intelligence and Stroke Imaging. Neuroimaging Clinics of North America, 2020, 30, 479-492.	0.5	10
370	Non-contrast dual-energy CT virtual ischemia maps accuratelyÂestimateÂischemic core sizeÂin large-vessel occlusiveÂstroke. Scientific Reports, 2021, 11, 6745.	1.6	10
371	Cerebrovascular Collateral Integrity in Pediatric Large Vessel Occlusion. Neurology, 2022, 98, .	1.5	10
372	Impact Analysis of Different CT Configurations of Carotid Artery Plaque Calcifications on Cerebrovascular Events. American Journal of Neuroradiology, 2022, 43, 272-279.	1.2	10
373	Demographics of carotid atherosclerotic plaque features imaged by computed tomography. Journal of Neuroradiology, 2013, 40, 1-10.	0.6	9
374	Carotid artery dissection on non-contrast CT: Does color improve the diagnostic confidence?. European Journal of Radiology, 2014, 83, 2288-2293.	1.2	9
375	Stenting of symptomatic intracranial stenosis using balloon mounted coronary stents: a single center experience. Journal of NeuroInterventional Surgery, 2015, 7, 245-249.	2.0	9
376	R-SCAN: Imaging for Low Back Pain. Journal of the American College of Radiology, 2016, 13, 1385-1386.e1.	0.9	9
377	Intracranial Hemorrhage Imaging. Seminars in Ultrasound, CT and MRI, 2018, 39, 441-456.	0.7	9
378	Validation of the NeuroImaging Radiological Interpretation System for Acute Traumatic Brain Injury. Journal of Computer Assisted Tomography, 2019, 43, 690-696.	0.5	9

#	Article	IF	Citations
379	Connectometry evaluation in patients undergoing carotid endarterectomy: an exploratory study. Brain Imaging and Behavior, 2019, 13, 1708-1718.	1.1	9
380	Effects of Non-invasive, Targeted, Neuronal Lesions on Seizures in a Mouse Model of Temporal Lobe Epilepsy. Ultrasound in Medicine and Biology, 2020, 46, 1224-1234.	0.7	9
381	Diffuse Axonal Injury Grade on Early MRI is Associated with Worse Outcome in Children with Moderate-Severe Traumatic Brain Injury. Neurocritical Care, 2022, 36, 492-503.	1.2	9
382	Cerebral venous outflow profiles are associated with the first pass effect in endovascular thrombectomy. Journal of NeuroInterventional Surgery, 2022, 14, 1056-1061.	2.0	9
383	Application of Deep Learning to Ischemic and Hemorrhagic Stroke Computed Tomography and Magnetic Resonance Imaging. Seminars in Ultrasound, CT and MRI, 2022, 43, 147-152.	0.7	9
384	Acute brain perfusion disorders in children assessed by quantitative perfusion computed tomography in the emergency setting. Pediatric Emergency Care, 2005, 21, 149-60.	0.5	9
385	Cerebral Hypoperfusion Intensity Ratio Is Linked to Progressive Early Edema Formation. Journal of Clinical Medicine, 2022, 11, 2373.	1.0	9
386	Blunt trauma of the heart: CT pattern of atrial appendage ruptures. European Radiology, 2001, 11, 113-116.	2.3	8
387	Hyperplastic Anterior Choroidal Artery Identified Using Magnetic Resonance Angiography: A Report of Two Cases. Cerebrovascular Diseases, 2006, 22, 450-452.	0.8	8
388	Neonatal non-ketotic hyperglycinemia. Journal of Neuroradiology, 2011, 38, 246-250.	0.6	8
389	Permeability Imaging as a Biomarker of Leptomeningeal Collateral Flow in Patients with Intracranial Arterial Stenosis. Cell Biochemistry and Biophysics, 2015, 71, 1273-1279.	0.9	8
390	One-stop-shop stroke imaging with functional CT. European Journal of Radiology, 2015, 84, 2425-2431.	1.2	8
391	Non-Relative Value Unit-Generating Activities Represent One-Fifth of Academic Neuroradiologist Productivity. American Journal of Neuroradiology, 2016, 37, 1206-1208.	1.2	8
392	Decreasing Stroke Code to CT Time in Patients Presenting with Stroke Symptoms. Radiographics, 2017, 37, 1559-1568.	1.4	8
393	The vast potential and bright future of neuroimaging. British Journal of Radiology, 2018, 91, 20170505.	1.0	8
394	Application of FLAIR Vascular Hyperintensity-DWI Mismatch in Ischemic Stroke Depending on Semi-Quantitative DWI-Alberta Stroke Program Early CT Score. Frontiers in Neurology, 2019, 10, 994.	1.1	8
395	Focal Hypoperfusion in Acute Ischemic Stroke Perfusion CT: Clinical and Radiologic Predictors and Accuracy for Infarct Prediction. American Journal of Neuroradiology, 2019, 40, 483-489.	1.2	8
396	Interobserver Agreement for the Computed Tomography Severity Grading Scales for Acute Traumatic Brain Injury. Journal of Neurotrauma, 2020, 37, 1445-1451.	1.7	8

#	Article	IF	Citations
397	Impact of Clot Shape on Successful M1 Endovascular Reperfusion. Frontiers in Neurology, 2021, 12, 642877.	1.1	8
398	Benefit of Intravenous Alteplase before Thrombectomy Depends on <scp>ASPECTS</scp>. Annals of Neurology, 2022, 92, 588-595.	2.8	8
399	The Future of Stroke Imaging. Stroke, 2010, 41, S152-3.	1.0	7
400	Stroke Imaging Research Road Map. Neuroimaging Clinics of North America, 2011, 21, 239-245.	0.5	7
401	Multiphase CT Angiography: A Poor Manâ€™s Perfusion CT?. Radiology, 2015, 277, 922-924.	3.6	7
402	R-SCAN: Why We Should Care!. Journal of the American College of Radiology, 2016, 13, 1247-1248.e1.	0.9	7
403	Imaging-based selection of patients for acute stroke treatment. Neurology, 2017, 88, 2242-2243.	1.5	7
404	Variation of degree of stenosis quantification using different energy level with dual energy CT scanner. Neuroradiology, 2019, 61, 285-291.	1.1	7
405	White-matter hyperintensities in patients with carotid artery stenosis: An exploratory connectometry study. Neuroradiology Journal, 2020, 33, 486-493.	0.6	7
406	Assessment of the Radiology Support, Communication and Alignment Network to Reduce Medical Imaging Overutilization: A Multipractice Cohort Study. Journal of the American College of Radiology, 2020, 17, 597-605.	0.9	7
407	Mind Over Magnets â€“ How Magnetic Particle Imaging is Changing the Way We Think About the Future of Neuroscience. Neuroscience, 2021, 474, 100-109.	1.1	7
408	Effect of Oxygen Extraction (Brush-Sign) on Baseline Core Infarct Depends on Collaterals (HIR). Frontiers in Neurology, 2020, 11, 618765.	1.1	7
409	Predicted Cost Savings Achieved by the Radiology Support, Communication and Alignment Network from Reducing Medical Imaging Overutilization in the Medicare Population. Journal of the American College of Radiology, 2021, 18, 704-712.	0.9	7
410	Radiology of Blunt Trauma of the Chest. Medical Radiology, 2000, , .	0.0	7
411	Does perfusion imaging add value compared with plain parenchymal and vascular imaging?. Journal of NeuroInterventional Surgery, 2012, 4, 246-250.	2.0	6
412	Optimal Imaging of In Vitro Clot Sonothrombolysis by MRâ€Guided Focused Ultrasound. Journal of Neuroimaging, 2013, 23, 187-191.	1.0	6
413	Imaging predictors of procedural and clinical outcome in endovascular acute stroke therapy. Neurovascular Imaging, 2015, 1, .	2.4	6
414	Feasibility and Safety of MR-Guided Focused Ultrasound Lesioning in the Setting of Deep Brain Stimulation. Stereotactic and Functional Neurosurgery, 2015, 93, 140-146.	0.8	6

#	Article	IF	Citations
415	Identification of imaging selection patterns in acute ischemic stroke patients and the influence on treatment and clinical trial enrollment decision making. International Journal of Stroke, 2016, 11, 180-190.	2.9	6
416	Harnessing Neuroimaging Capability in Pediatric Stroke: Proceedings of the Stroke Imaging Laboratory for ChildrenÂWorkshop. Pediatric Neurology, 2017, 69, 3-10.	1.0	6
417	Optimized Combination of bâ€˜values for IVIM Perfusion Imaging in Acute Ischemic Stroke Patients. Clinical Neuroradiology, 2020, 30, 535-544.	1.0	6
418	The influence of the volumetric composition of the intracranial space on neural activity in healthy subjects: a restingâ€state functional magnetic resonance study. European Journal of Neuroscience, 2020, 51, 1944-1961.	1.2	6
419	Does Carotid Artery Tortuosity Play a Role in Stroke?. Canadian Association of Radiologists Journal, 2021, 72, 084653712199105.	1.1	6
420	Non-invasive, neurotoxic surgery reduces seizures in a rat model of temporal lobe epilepsy. Experimental Neurology, 2021, 343, 113761.	2.0	6
421	Cerebral Blood Flow Thresholds in Acute Stroke Triage. Stroke, 2006, 37, 2202-2202.	1.0	5
422	Standardization of Stroke Perfusion CT for Reperfusion Therapy. Translational Stroke Research, 2012, 3, 221-227.	2.3	5
423	International Survey of Acute Stroke Imaging Capabilities. Stroke, 2013, 44, 2091-2091.	1.0	5
424	Can CT perfusion accurately assess infarct core?. Neurovascular Imaging, 2016, 2, .	2.4	5
425	Same-Day Sinus and Brain CT Imaging in the Medicare Population: Are Practice Patterns Changing in Association with Medicare Policy Initiatives?. American Journal of Neuroradiology, 2016, 37, 1000-1004.	1.2	5
426	Reducing Functional MR Imaging Acquisition Times by Optimizing Workflow. Radiographics, 2017, 37, 316-322.	1.4	5
427	Large-scale ensemble simulations of biomathematical brain arteriovenous malformation models using graphics processing unit computation. Computers in Biology and Medicine, 2019, 113, 103416.	3.9	5
428	Anatomic and Thermometric Analysis of Cranial Nerve Palsy after Laser Amygdalohippocampotomy for Mesial Temporal Lobe Epilepsy. Operative Neurosurgery, 2020, 18, 684-691.	0.4	5
429	Cost-effectiveness of endovascular thrombectomy in patients with low Alberta Stroke Program Early CT Scores (< 6) at presentation. Journal of Neurosurgery, 2021, 135, 1645-1655.	0.9	5
430	Clinical Review of Computed Tomography and MR Perfusion Imaging in Neuro-Oncology. Radiologic Clinics of North America, 2021, 59, 323-334.	0.9	5
431	Neuroradiologic Evaluation of MRI in High-Contact Sports. Frontiers in Neurology, 2021, 12, 701948.	1.1	5
432	Cerebral Perfusion in Pediatric Stroke: Children Are Not Little Adults. Topics in Magnetic Resonance Imaging, 2021, 30, 245-252.	0.7	5

#	Article	IF	Citations
433	Natural language processing of head CT reports to identify intracranial mass effect: CTIME algorithm. American Journal of Emergency Medicine, 2021, 51, 388-392.	0.7	5
434	Association between Blood and Computed Tomographic Imaging Biomarkers in a Cohort of Mild Traumatic Brain Injury Patients. Journal of Neurotrauma, 2022, 39, 1329-1338.	1.7	5
435	Tissue at risk in acute stroke patients treated beyond 8Âh after symptom onset. Neuroradiology, 2013, 55, 807-812.	1.1	4
436	Recent Endovascular Trials: Implications for Radiology Departments, Radiology Residency, and Neuroradiology Fellowship Training at Comprehensive Stroke Centers. Radiology, 2016, 278, 642-645.	3.6	4
437	CT Permeability Imaging Predicts Clinical Outcomes in Acute Ischemic Stroke Patients Treated with Intra-arterial Thrombolytic Therapy. Molecular Neurobiology, 2017, 54, 2539-2546.	1.9	4
438	Optimal Delay Time of CT Perfusion for Predicting Cerebral Parenchymal Hematoma After Intra-Arterial tPA Treatment. Frontiers in Neurology, 2018, 9, 680.	1.1	4
439	Macrovascular Networks on Contrast-Enhanced Magnetic Resonance Imaging Improves Survival Prediction in Newly Diagnosed Glioblastoma. Cancers, 2019, 11, 84.	1.7	4
440	Factors Driving Resistance to Clinical Decision Support: Finding Inspiration in Radiology 3.0. Journal of the American College of Radiology, 2022, 19, 366-376.	0.9	4
441	Accuracy of head computed tomography scoring systems in predicting outcomes for patients with moderate to severe traumatic brain injury: A ProTECT III ancillary study. Neuroradiology Journal, 2023, 36, 38-48.	0.6	4
442	Changes in the Cerebello-Thalamo-Cortical Network After Magnetic Resonance-Guided Focused Ultrasound Thalamotomy. Brain Connectivity, 2023, 13, 28-38.	0.8	4
443	Novel imaging markers for altered cerebrovascular morphology in aging, stroke, and Alzheimer's disease. Journal of Neuroimaging, 2022, 32, 956-967.	1.0	4
444	Basilar Dolichoectasia with Clot Formation and Subarachnoid Haemorrhage. Practical Neurology, 2005, 5, 240-241.	0.5	3
445	Unmasking complicated atherosclerotic plaques on carotid magnetic resonance angiography: A report of three cases. Journal of Vascular Surgery, 2006, 44, 884-887.	0.6	3
446	Imaging and CFD in the analysis of vascular disease progression. , 2006, , .		3
447	R-SCAN: Imaging for Headache. Journal of the American College of Radiology, 2016, 13, 1534-1535.e1.	0.9	3
448	R-SCAN: Imaging for Pediatric Minor Head Trauma. Journal of the American College of Radiology, 2017, 14, 294-297.	0.9	3
449	Early administration of pyrrolidine dithiocarbamate extends the therapeutic time window of tissue plasminogen activator in a male rat model of embolic stroke. Journal of Neuroscience Research, 2018, 96, 449-458.	1.3	3
450	Testing Different Combinations of Acoustic Pressure and Doses of Quinolinic Acid for Induction of Focal Neuron Loss in Mice Using Transcranial Low-Intensity Focused Ultrasound. Ultrasound in Medicine and Biology, 2019, 45, 129-136.	0.7	3

#	Article	IF	Citations
451	ADC, D, f dataset calculated through the simplified IVIM model, with MGMT promoter methylation, age, and ECOG, in 38 patients with wildtype IDH glioblastoma. Data in Brief, 2021, 35, 106950.	0.5	3
452	Computed Tomographyâ€“Based Imaging Algorithms for Patient Selection in Acute Ischemic Stroke. Neuroimaging Clinics of North America, 2021, 31, 235-250.	0.5	3
453	Volume of White Matter Hyperintensities, and Cerebral Micro-Bleeds. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105905.	0.7	3
454	Minimally Invasive Procedures in Traumatic Brain Injury. , 2005, , 401-422.		2
455	Iodinated and Gadolinium Contrast Media in Computed Tomography (CT) and Magnetic Resonance (MR) Stroke Imaging. Current Medicinal Chemistry, 2006, 13, 2717-2723.	1.2	2
456	Simulation-based validation and arrival-time correction for Patlak analyses of Perfusion-CT scans. Proceedings of SPIE, 2009, , .	0.8	2
457	Neuroimaging: Introduction. Stroke, 2013, 44, S52.	1.0	2
458	Response to Letter Regarding Article, â€œCT Perfusion in Acute Stroke: Added Value or Waste of Time?â€• Stroke, 2013, 44, e116.	1.0	2
459	Development of a realistic, dynamic digital brain phantom for CT perfusion validation. Proceedings of SPIE, 2016, , .	0.8	2
460	R-SCAN: Imaging for Uncomplicated AcuteÂRhinosinusitis. Journal of the American College of Radiology, 2017, 14, 82-83.e1.	0.9	2
461	Prevalence of Imaging Biomarkers to Guide the Planning of Acute Stroke Reperfusion Trials. Stroke, 2017, 48, 1675-1677.	1.0	2
462	Number needed to screen for acute revascularization trials in stroke: Prognostic and predictive imaging biomarkers. International Journal of Stroke, 2017, 12, 356-367.	2.9	2
463	Editorial: Posterior Reversible Encephalopathy Syndrome and Associated Diseases. Frontiers in Neurology, 2020, 11, 667.	1.1	2
464	Demographics and clinical characteristics of acute traumatic brain injury patients in the different Neuroimaging Radiological Interpretation System (NIRIS) categories. Journal of Neuroradiology, 2021, 48, 104-111.	0.6	2
465	Distant histories of mild traumatic brain injury exacerbate age-related differences in white matter properties. Neurobiology of Aging, 2021, 107, 30-41.	1.5	2
466	Trauma of the Diaphragm. Medical Radiology, 2000, , 29-43.	0.0	2
467	Clinical Decision Support: Curse orÂBlessing?. Journal of the American College of Radiology, 2020, 17, 566-567.	0.9	2
468	Comparing blood biomarkers to clinical decision rules to select patients suspected of traumatic brain injury for head computed tomography. Neuroradiology Journal, 2023, 36, 68-75.	0.6	2

#	Article	IF	Citations
469	INTRALUMINAL AORTIC FAT AS AN UNUSUAL PRESENTATION OF BLUNT TRAUMATIC AORTIC RUPTURE. Journal of Trauma, 2002, 52, 1222.	2.3	1
470	Magnetic Resonance Imaging of Cerebrovascular Diseases. , 2011, , 882-909.		1
471	MRI features of pediatric multiple sclerosis. , 0, , 48-57.		1
472	Stroke Imaging: Diffusion, Perfusion, but No More Confusion!. American Journal of Neuroradiology, 2013, 34, 2053-2053.	1.2	1
473	Manual of Head and Neck Imaging. , 2014, , .		1
474	Perfusion Measurements of the Brain. , 2015, , 1355-1377.		1
475	R-SCAN: Imaging for Pediatric Simple Febrile Seizures. Journal of the American College of Radiology, 2017, 14, 1064-1066.	0.9	1
476	R-SCAN: Admission and Preoperative Chest X-Rays for Ambulatory Patients With Unremarkable History and Physical Examination. Journal of the American College of Radiology, 2017, 14, 380-382.	0.9	1
477	Shear Wave Elastography of Invasive Ductal Carcinoma: Correlations between Shear Wave Velocity and Histological Prognostic Factors. Current Medical Science, 2021, 41, 173-179.	0.7	1
478	Recommendations for Neuroradiology Training during Radiology Residency by the American Society of Neuroradiology Section Chiefs Leadership Group. American Journal of Neuroradiology, 2021, 42, E7-E9.	1.2	1
479	MODERN NEURORADIOLOGY RELEVANT TO ANESTHETIC AND PERIOPERATIVE MANAGEMENT. , 2010, , 95-114.		1
480	A Web-based System to Assist With Etiology Differential Diagnosis in Children With Arterial Ischemic Stroke. Topics in Magnetic Resonance Imaging, 2021, 30, 253-257.	0.7	1
481	Trauma of the Mediastinum. Medical Radiology, 2000, , 71-134.	0.0	1
482	Pediatric Chest Trauma. Medical Radiology, 2000, , 135-146.	0.0	1
483	Trauma of the Pulmonary Parenchyma. Medical Radiology, 2000, , 57-69.	0.0	1
484	Trauma of the Chest Wall. Medical Radiology, 2000, , 9-27.	0.0	1
485	Temporal Bone and Skull Base. , 2014, , 189-256.		1
486	Abstract 174: Headache Presentation in Childhood Arterial Ischemic Stroke Differs by Arteriopathy Subtype. Stroke, 2017, 48, .	1.0	1

#	Article	IF	Citations
487	Brain, Head, and Neck. , 2008, , 169-533.		1
488	Targeted Neuronal Injury for the Non-Invasive Disconnection of Brain Circuitry. Journal of Visualized Experiments, 2020, , .	0.2	1
489	Noninvasive disconnection of targeted neuronal circuitry sparing axons of passage and nonneuronal cells. Journal of Neurosurgery, 2021, , 1-11.	0.9	1
490	Comparison between 7 Tesla and 3 Tesla MRI for characterizing orbital lesions. Diagnostic and Interventional Imaging, 2022, 103, 433-439.	1.8	1
491	Intracranial vascular imaging: Pearls and pitfalls. , 0, , 28-34.		1
492	Foreword by Mauricio Castillo. , 0, , xi-xii.		0
493	Localization of stroke syndromes using diffusion-weighted MR imaging (DWI). , 2003, , 121-134.		0
494	Reduced time of arrival on brain perfusion CT in a patient with recurrent cryptogenic stroke: an indirect sign of a patent foramen ovale. Neuroradiology, 2008, 50, 613-615.	1.1	0
495	Patient Specific FEM Analysis of the Atherosclerotic Carotid Bifurcation. , 2009, , .		0
496	Response to Letter by Paraskevas et al. Stroke, 2010, 41, .	1.0	0
497	Ischemia in children. , 0, , 220-255.		0
498	Application of MR Diffusion, CT Angiography and Perfusion Imaging in Stroke Neurocritical Care. , 2012, , 205-213.		0
499	Perfusion Measurements: Brain. , 2014, , 1-26.		0
500	Cerebrovascular diseases. , 0, , 1-65.		0
501	Head trauma. , 0, , 66-74.		0
502	Cerebral demyelinating and inflammatory diseases. , 0, , 75-88.		0
503	Intracranial infections. , 0, , 89-128.		0
504	Brain tumors and tumor-like conditions. , 0, , 129-173.		0

#	Article	IF	Citations
505	Miscellaneous cerebral emergencies. , 0, , 174-213.		0
506	Facial trauma. , 0, , 214-233.		0
507	Head and neck infections. , 0, , 234-259.		0
508	Orbits. , 0, , 260-278.		0
509	Paranasal sinuses. , 0, , 279-287.		0
510	Temporal bone. , 0, , 288-301.		0
511	Head and neck tumors. , 0, , 302-310.		0
512	Pediatric head and neck conditions. , 0, , 311-321.		0
513	Spinal vascular diseases. , 0, , 322-327.		0
514	Spinal trauma. , 0, , 328-351.		0
515	Spinal infectious and inflammatory diseases. , 0, , 352-363.		0
516	Spinal tumors. , 0, , 364-381.		0
517	Miscellaneous spine emergencies. , 0, , 382-395.		0
518	Modern Neuroimaging: Deciphering the Developing Brain. Journal of Pediatrics, 2016, 169, 6-7.	0.9	0
519	Pediatric Traumatic Brain Injury. Journal of Pediatric Neuroradiology, 2016, 05, 001-001.	0.1	0
520	Central Nervous System Infarction. , 2016, , 89-98.		0
521	Magnetic Resonance Imaging of Cerebrovascular Diseases. , 2016, , 768-789.e9.		0
522	P2â€383: CONVERGENCE ANALYSIS OF MICROâ€LESIONS (CAML) FOR DIFFUSE PATHOLOGIES. Alzheimer's and Dementia, 2018, 14, P844.	0.4	0

#	Article	IF	Citations
523	Response by Vagal et al to Letter Regarding Article, â€œCollateral Clock Is More Important Than Time Clock for Tissue Fate: A Natural History Study of Acute Ischemic Strokesâ€• Stroke, 2018, 49, e340.	1.0	0
524	Impact of Neuroradiology Staffing on Academic Hospital Level Quality and Cost Measures for the Neuroscience Service Line. Journal of the American College of Radiology, 2018, 15, 1609-1612.	0.9	0
525	Imaging Biomarkers in Stroke Trials. , 2018, , 65-82.		0
526	Convergence Analysis of Micro-Lesions (CAML): An approach to mapping of diffuse lesions from carotid revascularization. NeuroImage: Clinical, 2018, 18, 553-559.	1.4	0
527	A statistical approach to identify optimal inclusion criteria: An application to acute stroke clinical trials. Contemporary Clinical Trials Communications, 2019, 14, 100355.	0.5	0
528	Whatâ€™s new in imaging of acute stroke?. Intensive Care Medicine, 2020, 46, 1453-1456.	3.9	0
529	MR perfusion imaging: Halfâ€dose gadolinium is half the quality. Journal of Neuroimaging, 2021, 31, 1014-1019.	1.0	0
530	Magnetic Resonance Imaging of Cerebrovascular Diseases. , 2022, , 676-698.e10.		0
531	Introduction to Blunt Trauma of the Chest. Medical Radiology, 2000, , 1-7.	0.0	0
532	Trauma of the Pleura. Medical Radiology, 2000, , 45-55.	0.0	0
533	What is the future of imaging in acute stroke?. , 2003, , 283-288.		0
534	Perfusion CT Imaging of Acute Ischemic Brain Injury with MSCT. , 2004, , 69-73.		0
535	Stroke: Clinical Application of Perfusion and Diffusion. , 2011, , 107-115.		0
536	Carotid and Vertebral Circulation: Clinical Applications. , 2012, , 225-237.		0
537	Imaging of the Pathology of the Vertebral Arteries. , 2014, , 1-33.		0
538	Abstract 179: International Survey of Clinical Case Vignettes in Acute Ischemic Stroke. Stroke, 2015, 46, .	1.0	0
539	Abstract TP45: Predictors for Good Collaterals in 857 Patients With Acute Ischemic Stroke and Proximal Middle Cerebral Artery Occlusion. Stroke, 2017, 48, .	1.0	0
540	CT Perfusion. , 2020, , 61-68.		0

#	Article	IF	Citations
541	Cerebral Perfusion CT: Technique and Clinical Applications. Medical Radiology, 2009, , 111-121.	0.0	0