

# Max Wintermark

## List of Publications by Year in descending order

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541  
papers

36,263  
citations

5876

81  
h-index

4323

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. <i>Stroke</i> , 2013, 44, 870-947.	1.0	5,246
2	The Multimodal Brain Tumor Image Segmentation Benchmark (BRATS). <i>IEEE Transactions on Medical Imaging</i> , 2015, 34, 1993-2024.	5.4	3,589
3	A Trial of Imaging Selection and Endovascular Treatment for Ischemic Stroke. <i>New England Journal of Medicine</i> , 2013, 368, 914-923.	13.9	1,269
4	Recommendations on Angiographic Revascularization Grading Standards for Acute Ischemic Stroke. <i>Stroke</i> , 2013, 44, 2650-2663.	1.0	1,264
5	Perfusion-CT Assessment of Infarct Core and Penumbra. <i>Stroke</i> , 2006, 37, 979-985.	1.0	722
6	A Pilot Study of Focused Ultrasound Thalamotomy for Essential Tremor. <i>New England Journal of Medicine</i> , 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. <i>Lancet Neurology</i> , 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. <i>Annals of Neurology</i> , 2002, 51, 417-432.	2.8	495
9	Recommendations for the Management of Cerebral and Cerebellar Infarction With Swelling. <i>Stroke</i> , 2014, 45, 1222-1238.	1.0	403
10	Comparative Overview of Brain Perfusion Imaging Techniques. <i>Stroke</i> , 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. <i>Radiology</i> , 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. <i>Stroke</i> , 2002, 33, 2025-2031.	1.0	330
13	High-Resolution CT Imaging of Carotid Artery Atherosclerotic Plaques. <i>American Journal of Neuroradiology</i> , 2008, 29, 875-882.	1.2	319
14	Systematic comparison of perfusion-CT and CT-angiography in acute stroke patients. <i>Annals of Neurology</i> , 2007, 61, 533-543.	2.8	299
15	Perfusion MRI: The Five Most Frequently Asked Technical Questions. <i>American Journal of Roentgenology</i> , 2013, 200, 24-34.	1.0	296
16	Imaging biomarkers of vulnerable carotid plaques for stroke risk prediction and their potential clinical implications. <i>Lancet Neurology</i> , The, 2019, 18, 559-572.	4.9	279
17	Resting-State Functional MRI: Everything That Nonexperts Have Always Wanted to Know. <i>American Journal of Neuroradiology</i> , 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. <i>European Radiology</i> , 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. <i>Journal of Neurotrauma</i> , 2008, 25, 1049-1056.	1.7	237
20	CT Perfusion Scanning with Deconvolution Analysis: Pilot Study in Patients with Acute Middle Cerebral Artery Stroke. <i>Radiology</i> , 2002, 222, 227-236.	3.6	231
21	Deep Learning in Neuroradiology. <i>American Journal of Neuroradiology</i> , 2018, 39, 1776-1784.	1.2	222
22	Optimal Symmetric Multimodal Templates and Concatenated Random Forests for Supervised Brain Tumor Segmentation (Simplified) with ANTsR. <i>Neuroinformatics</i> , 2015, 13, 209-225.	1.5	221
23	Deep learning enables reduced gadolinium dose for contrast-enhanced brain MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 330-340.	1.9	220
24	Common Data Elements in Radiologic Imaging of Traumatic Brain Injury. <i>Archives of Physical Medicine and Rehabilitation</i> , 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. <i>American Journal of Neuroradiology</i> , 2018, 39, E9-E31.	1.2	213
26	The Acute STroke Registry and Analysis of Lausanne (ASTRAL). <i>Stroke</i> , 2010, 41, 2491-2498.	1.0	208
27	How Accurate Is CT Angiography in Evaluating Intracranial Atherosclerotic Disease?. <i>Stroke</i> , 2008, 39, 1184-1188.	1.0	205
28	Imaging of intracranial haemorrhage. <i>Lancet Neurology</i> , The, 2008, 7, 256-267.	4.9	201
29	The Macklin Effect. <i>Chest</i> , 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. <i>Radiology</i> , 2014, 272, 484-493.	3.6	196
31	Acute Stroke Imaging Research Roadmap II. <i>Stroke</i> , 2013, 44, 2628-2639.	1.0	192
32	Perfusion MRI: The Five Most Frequently Asked Clinical Questions. <i>American Journal of Roentgenology</i> , 2013, 201, W495-W510.	1.0	181
33	Transcranial MRI-Guided Focused Ultrasound: A Review of the Technologic and Neurologic Applications. <i>American Journal of Roentgenology</i> , 2015, 205, 150-159.	1.0	175
34	Thoracolumbar Spine Fractures in Patients Who Have Sustained Severe Trauma: Depiction with Multi-detector Row CT. <i>Radiology</i> , 2003, 227, 681-689.	3.6	174
35	Accuracy of dynamic perfusion CT with deconvolution in detecting acute hemispheric stroke. <i>American Journal of Neuroradiology</i> , 2005, 26, 104-112.	1.2	173
36	Janus Iron Oxides @ Semiconducting Polymer Nanoparticle Tracer for Cell Tracking by Magnetic Particle Imaging. <i>Nano Letters</i> , 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. <i>Journal of Neurosurgery</i> , 2003, 98, 828-836.	0.9	167
38	Contrast Extravasation on CT Predicts Mortality in Primary Intracerebral Hemorrhage. <i>American Journal of Neuroradiology</i> , 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. <i>Archives of Neurology</i> , 2009, 66, 967-71.	4.9	159
40	Reperfusion Is a More Accurate Predictor of Follow-Up Infarct Volume Than Recanalization. <i>Stroke</i> , 2010, 41, e34-40.	1.0	158
41	Imaging of Intracranial Hemorrhage. <i>Journal of Stroke</i> , 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. <i>American Journal of Neuroradiology</i> , 2011, 32, 41-48.	1.2	147
43	Admission Perfusion CT: Prognostic Value in Patients with Severe Head Trauma. <i>Radiology</i> , 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. <i>American Journal of Neuroradiology</i> , 2004, 25, 720-9.	1.2	142
45	Common data elements in radiologic imaging of traumatic brain injury. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 32, 516-543.	1.9	139
46	Risk of Recurrent Arterial Ischemic Stroke in Childhood. <i>Stroke</i> , 2016, 47, 53-59.	1.0	138
47	A benchmarking tool to evaluate computer tomography perfusion infarct core predictions against a DWI standard. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 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. <i>Neurology</i> , 2019, 93, 888-898.	1.5	133
50	A Review of Magnetic Particle Imaging and Perspectives on Neuroimaging. <i>American Journal of Neuroradiology</i> , 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. <i>American Journal of Neuroradiology</i> , 2003, 24, 1869-75.	1.2	133
52	Reversible monoparesis following decompressive hemicraniectomy for traumatic brain injury. <i>Journal of Neurosurgery</i> , 2008, 109, 245-254.	0.9	131
53	Accuracy and Reliability Assessment of CT and MR Perfusion Analysis Software Using a Digital Phantom. <i>Radiology</i> , 2013, 267, 201-211.	3.6	131
54	Genomic Mapping and Survival Prediction in Glioblastoma: Molecular Subclassification Strengthened by Hemodynamic Imaging Biomarkers. <i>Radiology</i> , 2013, 267, 212-220.	3.6	130

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55	Arteriopathy Diagnosis in Childhood Arterial Ischemic Stroke. <i>Stroke</i> , 2014, 45, 3597-3605.	1.0	130
56	Imaging Evidence and Recommendations for Traumatic Brain Injury: Conventional Neuroimaging Techniques. <i>Journal of the American College of Radiology</i> , 2015, 12, e1-e14.	0.9	125
57	Imaging Findings in MR Imaging-Guided Focused Ultrasound Treatment for Patients with Essential Tremor. <i>American Journal of Neuroradiology</i> , 2014, 35, 891-896.	1.2	122
58	High and Low Molecular Weight Fluorescein Isothiocyanate (FITC)-Dextran to Assess Blood-Brain Barrier Disruption: Technical Considerations. <i>Translational Stroke Research</i> , 2011, 2, 106-111.	2.3	121
59	Brain Perfusion in Children: Evolution With Age Assessed by Quantitative Perfusion Computed Tomography. <i>Pediatrics</i> , 2004, 113, 1642-1652.	1.0	120
60	Comparative Overview of Brain Perfusion Imaging Techniques. <i>Stroke</i> , 2005, 36, 2032-2033.	1.0	112
61	Principles of T <sub>2</sub> -weighted dynamic susceptibility contrast MRI technique in brain tumor imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 296-313.	1.9	112
62	Relationship between brain perfusion computed tomography variables and cerebral perfusion pressure in severe head trauma patients*. <i>Critical Care Medicine</i> , 2004, 32, 1579-1587.	0.4	111
63	Diffusion tensor imaging as a prognostic biomarker for motor recovery and rehabilitation after stroke. <i>Neuroradiology</i> , 2017, 59, 343-351.	1.1	111
64	Addition of MR imaging features and genetic biomarkers strengthens glioblastoma survival prediction in TCGA patients. <i>Journal of Neuroradiology</i> , 2015, 42, 212-221.	0.6	109
65	Dorsal Thoracic Arachnoid Web and the "Scalpel Sign": A Distinct Clinical-Radiologic Entity. <i>American Journal of Neuroradiology</i> , 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. <i>American Journal of Neuroradiology</i> , 2013, 34, E117-E127.	1.2	104
67	Collateral Clock Is More Important Than Time Clock for Tissue Fate. <i>Stroke</i> , 2018, 49, 2102-2107.	1.0	103
68	Imaging of the Carotid Artery Vulnerable Plaque. <i>CardioVascular and Interventional Radiology</i> , 2014, 37, 572-585.	0.9	102
69	Infection, vaccination, and childhood arterial ischemic stroke. <i>Neurology</i> , 2015, 85, 1459-1466.	1.5	100
70	Potential intracranial applications of magnetic resonance-guided focused ultrasound surgery. <i>Journal of Neurosurgery</i> , 2013, 118, 215-221.	0.9	99
71	Stroke Recovery and Rehabilitation Research. <i>Stroke</i> , 2017, 48, 813-819.	1.0	98
72	Subclinical embolization after carotid artery stenting: New lesions on diffusion-weighted magnetic resonance imaging occur postprocedure. <i>Journal of Vascular Surgery</i> , 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. <i>American Journal of Neuroradiology</i> , 2015, 36, E1-E11.	1.2	97
74	Applications of Deep Learning to Neuro-Imaging Techniques. <i>Frontiers in Neurology</i> , 2019, 10, 869.	1.1	97
75	Cerebral perfusion CT: Technique and clinical applications. <i>Journal of Neuroradiology</i> , 2008, 35, 253-260.	0.6	93
76	Perfusion Computed Tomography for the Evaluation of Acute Ischemic Stroke. <i>Stroke</i> , 2016, 47, 1153-1158.	1.0	92
77	Multimodal imaging of striatal degeneration in Amish patients with glutaryl-CoA dehydrogenase deficiency. <i>Brain</i> , 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. <i>Cerebrovascular Diseases</i> , 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. <i>American Journal of Neuroradiology</i> , 2017, 38, 2172-2179.	1.2	89
80	Imaging of blunt chest trauma. <i>European Radiology</i> , 2000, 10, 1524-1538.	2.3	88
81	Acute Stroke Imaging Research Roadmap III Imaging Selection and Outcomes in Acute Stroke Reperfusion Clinical Trials. <i>Stroke</i> , 2016, 47, 1389-1398.	1.0	88
82	Pathways for Neuroimaging of Childhood Stroke. <i>Pediatric Neurology</i> , 2017, 69, 11-23.	1.0	87
83	MR and CT Monitoring of Recanalization, Reperfusion, and Penumbra Salvage. <i>Stroke</i> , 2009, 40, S24-7.	1.0	84
84	Herpesvirus Infections and Childhood Arterial Ischemic Stroke. <i>Circulation</i> , 2016, 133, 732-741.	1.6	84
85	Radiation-induced imaging changes following Gamma Knife surgery for cerebral arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2013, 118, 63-73.	0.9	83
86	Radiation Dose-Reduction Strategies for Neuroradiology CT Protocols. <i>American Journal of Neuroradiology</i> , 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. <i>Journal of Neurosurgery</i> , 2013, 119, 307-317.	0.9	81
88	Radiation Dose Reduction Strategy for CT Protocols: Successful Implementation in Neuroradiology Section. <i>Radiology</i> , 2008, 247, 499-506.	3.6	80
89	Closing the loop on impulsivity via nucleus accumbens delta-band activity in mice and man. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 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. <i>American Journal of Neuroradiology</i> , 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. <i>American Journal of Neuroradiology</i> , 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. <i>Radiology</i> , 2006, 238, 950-957.	3.6	77
93	Cerebral perfusionâ€CT patterns following seizure. <i>European Journal of Neurology</i> , 2010, 17, 594-601.	1.7	77
94	ACR Appropriateness Criteria Head Trauma. <i>Journal of the American College of Radiology</i> , 2016, 13, 668-679.	0.9	77
95	Multiparametric MRI and CT Models of Infarct Core and Favorable Penumbra Imaging Patterns in Acute Ischemic Stroke. <i>Stroke</i> , 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. <i>Neuro-Oncology</i> , 2015, 17, 1525-1537.	0.6	75
97	Costâ€effectiveness of focused ultrasound, radiosurgery, and DBS for essential tremor. <i>Movement Disorders</i> , 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. <i>American Journal of Roentgenology</i> , 2019, 212, 44-51.	1.0	75
99	Imaging Recommendations for Acute Stroke and Transient Ischemic Attack Patients. <i>Journal of the American College of Radiology</i> , 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. <i>Stroke</i> , 2014, 45, 2030-2035.	1.0	73
101	The Vascular Effects of Infection in Pediatric Stroke (VIPS) Study. <i>Journal of Child Neurology</i> , 2011, 26, 1101-1110.	0.7	72
102	Vascular Occlusion Enables Selecting Acute Ischemic Stroke Patients for Treatment With Desmoteplase. <i>Stroke</i> , 2012, 43, 1561-1566.	1.0	72
103	Local cortical hypoperfusion imaged with CT perfusion during postictal Toddâ€™s paresis. <i>Neuroradiology</i> , 2008, 50, 397-401.	1.1	71
104	Perfusion CT and acute stroke imaging: Foundations, applications, and literature review. <i>Journal of Neuroradiology</i> , 2015, 42, 21-29.	0.6	71
105	Acute stroke magnetic resonance imaging: current status and future perspective. <i>Neuroradiology</i> , 2010, 52, 189-201.	1.1	70
106	COVID-19-induced anosmia associated with olfactory bulb atrophy. <i>Neuroradiology</i> , 2021, 63, 147-148.	1.1	70
107	Blood Biomarkers for Detection of Brain Injury in COVID-19 Patients. <i>Journal of Neurotrauma</i> , 2021, 38, 1-43.	1.7	68
108	CT Perfusion Imaging in Acute Stroke. <i>Neuroimaging Clinics of North America</i> , 2011, 21, 215-238.	0.5	67

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



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

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145	Practice type effects on head impact in collegiate football. <i>Journal of Neurosurgery</i> , 2016, 124, 501-510.	0.9	51
146	International Survey of Acute Stroke Imaging Used to Make Revascularization Treatment Decisions. <i>International Journal of Stroke</i> , 2015, 10, 759-762.	2.9	50
147	Imaging of Acute Ischemic Stroke. <i>Neuroimaging Clinics of North America</i> , 2010, 20, 455-468.	0.5	48
148	Volume of subclinical embolic infarct correlates to long-term cognitive changes after carotid revascularization. <i>Journal of Vascular Surgery</i> , 2017, 65, 686-694.	0.6	48
149	Consensus statement on current and emerging methods for the diagnosis and evaluation of cerebrovascular disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1391-1417.	2.4	48
150	Association between internal carotid artery dissection and arterial tortuosity. <i>Neuroradiology</i> , 2015, 57, 149-153.	1.1	47
151	Cerebral vascular autoregulation assessed by perfusion-CT in severe head trauma patients. <i>Journal of Neuroradiology</i> , 2006, 33, 27-37.	0.6	46
152	Carotid Atheroma Rupture Observed In Vivo and FSI-Predicted Stress Distribution Based on Pre-rupture Imaging. <i>Annals of Biomedical Engineering</i> , 2010, 38, 2748-2765.	1.3	46
153	Focal Cerebral Arteriopathy of Childhood. <i>Stroke</i> , 2018, 49, 2590-2596.	1.0	46
154	Favorable Venous Outflow Profiles Correlate With Favorable Tissue-Level Collaterals and Clinical Outcome. <i>Stroke</i> , 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. <i>Radiology</i> , 2021, 299, 682-690.	3.6	45
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