

Max Wintermark

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

524
papers

25,818
citations

72
h-index

150
g-index

562
ext. papers

30,703
ext. citations

5.3
avg, IF

6.81
L-index

#	Paper	IF	Citations
524	Factors Driving Resistance to Clinical Decision Support: Finding Inspiration in Radiology 3.0.. <i>Journal of the American College of Radiology</i> , 2022 , 19, 366-376	3.5	1
523	Application of Deep Learning to Ischemic and Hemorrhagic Stroke Computed Tomography and Magnetic Resonance Imaging.. <i>Seminars in Ultrasound, CT and MRI</i> , 2022 , 43, 147-152	1.7	0
522	Impact Analysis of Different CT Configurations of Carotid Artery Plaque Calcifications on Cerebrovascular Events.. <i>American Journal of Neuroradiology</i> , 2022 , 43, 272-279	4.4	0
521	Venous outflow profiles are associated with early edema progression in ischemic stroke.. <i>International Journal of Stroke</i> , 2022 , 17474930211065635	6.3	3
520	Magnetic Resonance Imaging of Cerebrovascular Diseases 2022 , 676-698.e10		
519	Accuracy of head computed tomography scoring systems in predicting outcomes for patients with moderate to severe traumatic brain injury: A ProTECT III ancillary study.. <i>Neuroradiology Journal</i> , 2022 , 19714009221101313	2	0
518	Comparing blood biomarkers to clinical decision rules to select patients suspected of traumatic brain injury for head computed tomography.. <i>Neuroradiology Journal</i> , 2022 , 19714009221101306	2	
517	Noninvasive disconnection of targeted neuronal circuitry sparing axons of passage and nonneuronal cells. <i>Journal of Neurosurgery</i> , 2021 , 1-11	3.2	
516	Natural language processing of head CT reports to identify intracranial mass effect: CTIME algorithm. <i>American Journal of Emergency Medicine</i> , 2021 , 51, 388-392	2.9	1
515	A Web-based System to Assist With Etiology Differential Diagnosis in Children With Arterial Ischemic Stroke. <i>Topics in Magnetic Resonance Imaging</i> , 2021 , 30, 253-257	2.3	1
514	Cerebral Perfusion in Pediatric Stroke: Children Are Not Little Adults. <i>Topics in Magnetic Resonance Imaging</i> , 2021 , 30, 245-252	2.3	0
513	Mind Over Magnets - How Magnetic Particle Imaging is Changing the Way We Think About the Future of Neuroscience. <i>Neuroscience</i> , 2021 , 474, 100-109	3.9	1
512	The Utility of Domain-Specific End Points in Acute Stroke Trials. <i>Stroke</i> , 2021 , 52, 1154-1161	6.7	1
511	Does Carotid Artery Tortuosity Play a Role in Stroke?. <i>Canadian Association of Radiologists Journal</i> , 2021 , 72, 789-796	3.9	0
510	Intravoxel incoherent motion (IVIM) modeling of diffusion MRI during chemoradiation predicts therapeutic response in IDH wildtype glioblastoma. <i>Radiotherapy and Oncology</i> , 2021 , 156, 258-265	5.3	7
509	Viscoelasticity of children and adolescent brains through MR elastography. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 115, 104229	4.1	6
508	Non-contrast dual-energy CT virtual ischemia maps accurately estimate ischemic core size in large-vessel occlusive stroke. <i>Scientific Reports</i> , 2021 , 11, 6745	4.9	2

507	ADC, D, F dataset calculated through the simplified IVIM model, with MGMT promoter methylation, age, and ECOG, in 38 patients with wildtype IDH glioblastoma. <i>Data in Brief</i> , 2021 , 35, 106950	1.2	0
506	Computed Tomography-Based Imaging Algorithms for Patient Selection in Acute Ischemic Stroke. <i>Neuroimaging Clinics of North America</i> , 2021 , 31, 235-250	3	1
505	Predicted Cost Savings Achieved by the Radiology Support, Communication and Alignment Network from Reducing Medical Imaging Overutilization in the Medicare Population. <i>Journal of the American College of Radiology</i> , 2021 , 18, 704-712	3.5	0
504	Cost-effectiveness of endovascular thrombectomy in patients with low Alberta Stroke Program Early CT Scores (Journal of Neurosurgery, 2021 , 1-11	3.2	1
503	Favorable Venous Outflow Profiles Correlate With Favorable Tissue-Level Collaterals and Clinical Outcome. <i>Stroke</i> , 2021 , 52, 1761-1767	6.7	8
502	Association of Venous Outflow Profiles and Successful Vessel Reperfusion After Thrombectomy. <i>Neurology</i> , 2021 ,	6.5	6
501	MR perfusion imaging: Half-dose gadolinium is half the quality. <i>Journal of Neuroimaging</i> , 2021 , 31, 1014-1019	10.1	1
500	Clinical Review of Computed Tomography and MR Perfusion Imaging in Neuro-Oncology. <i>Radiologic Clinics of North America</i> , 2021 , 59, 323-334	2.3	1
499	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	20.5	11
498	Roadmap Consensus on Carotid Artery Plaque Imaging and Impact on Therapy Strategies and Guidelines: An International, Multispecialty, Expert Review and Position Statement. <i>American Journal of Neuroradiology</i> , 2021 , 42, 1566-1575	4.4	6
497	Supracardiac atherosclerosis in embolic stroke of undetermined source: the underestimated source. <i>European Heart Journal</i> , 2021 , 42, 1789-1796	9.5	16
496	Virtual monochromatic dual-energy CT reconstructions improve detection of cerebral infarct in patients with suspicion of stroke. <i>Neuroradiology</i> , 2021 , 63, 41-49	3.2	7
495	Imaging Predictors of Neurologic Outcome After Pediatric Arterial Ischemic Stroke. <i>Stroke</i> , 2021 , 52, 152-161	6.7	8
494	Blood Biomarkers for Detection of Brain Injury in COVID-19 Patients. <i>Journal of Neurotrauma</i> , 2021 , 38, 1-43	5.4	28
493	COVID-19-induced anosmia associated with olfactory bulb atrophy. <i>Neuroradiology</i> , 2021 , 63, 147-148	3.2	32
492	Demographics and clinical characteristics of acute traumatic brain injury patients in the different Neuroimaging Radiological Interpretation System (NIRIS) categories. <i>Journal of Neuroradiology</i> , 2021 , 48, 104-111	3.1	1
491	Multinational Survey of Current Practice from Imaging to Treatment of Atherosclerotic Carotid Stenosis. <i>Cerebrovascular Diseases</i> , 2021 , 50, 108-120	3.2	2
490	Correlation between ASPECTS and Core Volume on CT Perfusion: Impact of Time since Stroke Onset and Presence of Large-Vessel Occlusion. <i>American Journal of Neuroradiology</i> , 2021 , 42, 422-428	4.4	5

489	Shear Wave Elastography of Invasive Ductal Carcinoma: Correlations between Shear Wave Velocity and Histological Prognostic Factors. <i>Current Medical Science</i> , 2021 , 41, 173-179	2.8	0
488	Perfusion imaging-based tissue-level collaterals predict ischemic lesion net water uptake in patients with acute ischemic stroke and large vessel occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 41, 2067-2075	7.3	7
487	Altered cerebral perfusion in response to chronic mild hypercapnia and head-down tilt Bed rest as an analog for Spaceflight. <i>Neuroradiology</i> , 2021 , 63, 1271-1281	3.2	4
486	Impact of Clot Shape on Successful M1 Endovascular Reperfusion. <i>Frontiers in Neurology</i> , 2021 , 12, 642877	7.1	2
485	Recommendations for Neuroradiology Training during Radiology Residency by the American Society of Neuroradiology Section Chiefs Leadership Group. <i>American Journal of Neuroradiology</i> , 2021 , 42, E7-E9	4.4	
484	Multicenter DSC-MRI-Based Radiomics Predict IDH Mutation in Gliomas. <i>Cancers</i> , 2021 , 13,	6.6	6
483	Neuroradiologic Evaluation of MRI in High-Contact Sports. <i>Frontiers in Neurology</i> , 2021 , 12, 701948	4.1	2
482	Volume of White Matter Hyperintensities, and Cerebral Micro-Bleeds. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021 , 30, 105905	2.8	0
481	Distinct intra-arterial clot localization affects tissue-level collaterals and venous outflow profiles. <i>European Journal of Neurology</i> , 2021 , 28, 4109-4116	6	4
480	Diffuse Axonal Injury Grade on Early MRI is Associated with Worse Outcome in Children with Moderate-Severe Traumatic Brain Injury. <i>Neurocritical Care</i> , 2021 , 1	3.3	0
479	Non-invasive, neurotoxic surgery reduces seizures in a rat model of temporal lobe epilepsy. <i>Experimental Neurology</i> , 2021 , 343, 113761	5.7	1
478	Automated Brain Perfusion Imaging in Acute Ischemic Stroke: Interpretation Pearls and Pitfalls. <i>Stroke</i> , 2021 , 52, 3728-3738	6.7	3
477	Distant histories of mild traumatic brain injury exacerbate age-related differences in white matter properties. <i>Neurobiology of Aging</i> , 2021 , 107, 30-41	5.6	
476	Prediction of Clinical Outcome in Patients with Large-Vessel Acute Ischemic Stroke: Performance of Machine Learning versus SPAN-100. <i>American Journal of Neuroradiology</i> , 2021 , 42, 240-246	4.4	1
475	Nusinersen Treatment in Adults With Spinal Muscular Atrophy. <i>Neurology: Clinical Practice</i> , 2021 , 11, e317-e327	1.7	11
474	Automatic segmentation, feature extraction and comparison of healthy and stroke cerebral vasculature. <i>NeuroImage: Clinical</i> , 2021 , 30, 102573	5.3	3
473	Can COVID19 trigger the plaque vulnerability-a Kounis syndrome warning for "asymptomatic subjects". <i>Cardiovascular Diagnosis and Therapy</i> , 2020 , 10, 1352-1355	2.6	9
472	Longitudinal alteration of cortical thickness and volume in high-impact sports. <i>NeuroImage</i> , 2020 , 217, 116864	7.9	4

471	What's new in imaging of acute stroke?. <i>Intensive Care Medicine</i> , 2020 , 46, 1453-1456	14.5	
470	The Aging Imageomics Study: rationale, design and baseline characteristics of the study population. <i>Mechanisms of Ageing and Development</i> , 2020 , 189, 111257	5.6	6
469	Safety and Effectiveness of Neuro-thrombectomy on Single compared to Biplane Angiography Systems. <i>Scientific Reports</i> , 2020 , 10, 4470	4.9	7
468	Effects of Non-invasive, Targeted, Neuronal Lesions on Seizures in a Mouse Model of Temporal Lobe Epilepsy. <i>Ultrasound in Medicine and Biology</i> , 2020 , 46, 1224-1234	3.5	3
467	Diffusion tensor tractography of brainstem fibers and its application in pain. <i>PLoS ONE</i> , 2020 , 15, e0213952	3.7	14
466	Brainstem atrophy in Gulf War Illness. <i>NeuroToxicology</i> , 2020 , 78, 71-79	4.4	12
465	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	2.8	23
464	Interobserver Agreement for the Computed Tomography Severity Grading Scales for Acute Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020 , 37, 1445-1451	5.4	2
463	CT Angiography for Triage of Patients with Acute Minor Stroke: A Cost-effectiveness Analysis. <i>Radiology</i> , 2020 , 294, 580-588	20.5	10
462	CT Perfusion 2020 , 61-68		
461	White Matter Asymmetry: A Reflection of Pathology in Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2020 , 37, 373-381	5.4	6
460	Seizures and Outcome One Year After Neonatal and Childhood Cerebral Sinovenous Thrombosis. <i>Pediatric Neurology</i> , 2020 , 105, 21-26	2.9	11
459	Eligibility for late endovascular treatment using DAWN, DEFUSE-3, and more liberal selection criteria in a stroke center. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 842-847	7.8	18
458	Computed Tomography Perfusion Data for Acute Ischemic Stroke Evaluation Using Rapid Software: Pitfalls of Automated Postprocessing. <i>Journal of Computer Assisted Tomography</i> , 2020 , 44, 75-77	2.2	13
457	Effect of Electronic Clinical Decision Support on Imaging for the Evaluation of Acute Low Back Pain in the Ambulatory Care Setting. <i>World Neurosurgery</i> , 2020 , 134, e874-e877	2.1	7
456	The influence of the volumetric composition of the intracranial space on neural activity in healthy subjects: a resting-state functional magnetic resonance study. <i>European Journal of Neuroscience</i> , 2020 , 51, 1944-1961	3.5	5
455	Everything Every Radiologist Always Wanted (and Needs) to Know About Clinical Decision Support. <i>Journal of the American College of Radiology</i> , 2020 , 17, 568-573	3.5	5
454	Carotid plaque imaging and the risk of atherosclerotic cardiovascular disease. <i>Cardiovascular Diagnosis and Therapy</i> , 2020 , 10, 1048-1067	2.6	11

453	Artificial Intelligence and Stroke Imaging: A West Coast Perspective. <i>Neuroimaging Clinics of North America</i> , 2020 , 30, 479-492	3	4
452	White-matter hyperintensities in patients with carotid artery stenosis: An exploratory connectometry study. <i>Neuroradiology Journal</i> , 2020 , 33, 486-493	2	3
451	Assessment of the Radiology Support, Communication and Alignment Network to Reduce Medical Imaging Overutilization: A Multipractice Cohort Study. <i>Journal of the American College of Radiology</i> , 2020 , 17, 597-605	3.5	3
450	MR elastography frequency-dependent and independent parameters demonstrate accelerated decrease of brain stiffness in elder subjects. <i>European Radiology</i> , 2020 , 30, 6614-6623	8	5
449	Collateral Status in Ischemic Stroke: A Comparison of Computed Tomography Angiography, Computed Tomography Perfusion, and Digital Subtraction Angiography. <i>Journal of Computer Assisted Tomography</i> , 2020 , 44, 984-992	2.2	3
448	Concurrent brain structural and functional alterations in patients with migraine without aura: an fMRI study. <i>Journal of Headache and Pain</i> , 2020 , 21, 141	8.8	9
447	Simultaneous FDG-PET/MRI detects hippocampal subfield metabolic differences in AD/MCI. <i>Scientific Reports</i> , 2020 , 10, 12064	4.9	5
446	CT imaging features of carotid artery plaque vulnerability. <i>Annals of Translational Medicine</i> , 2020 , 8, 1261-2	3.2	8
445	Arterial-spin labeling MRI identifies residual cerebral arteriovenous malformation following stereotactic radiosurgery treatment. <i>Journal of Neuroradiology</i> , 2020 , 47, 13-19	3.1	8
444	Anatomic and Thermometric Analysis of Cranial Nerve Palsy after Laser Amygdalohippocampotomy for Mesial Temporal Lobe Epilepsy. <i>Operative Neurosurgery</i> , 2020 , 18, 684-691	1.6	2
443	Optimized Combination of b-values for IVIM Perfusion Imaging in Acute Ischemic Stroke Patients. <i>Clinical Neuroradiology</i> , 2020 , 30, 535-544	2.7	3
442	Endovascular versus medical therapy for large-vessel anterior occlusive stroke presenting with mild symptoms. <i>International Journal of Stroke</i> , 2020 , 15, 324-331	6.3	17
441	Comparison of MRI IVIM and MR perfusion imaging in acute ischemic stroke due to large vessel occlusion. <i>International Journal of Stroke</i> , 2020 , 15, 332-342	6.3	13
440	Effect of Oxygen Extraction (Brush-Sign) on Baseline Core Infarct Depends on Collaterals (HIR). <i>Frontiers in Neurology</i> , 2020 , 11, 618765	4.1	3
439	Imaging of Atypical and Complicated Posterior Reversible Encephalopathy Syndrome. <i>Frontiers in Neurology</i> , 2019 , 10, 964	4.1	20
438	A Review of Magnetic Particle Imaging and Perspectives on Neuroimaging. <i>American Journal of Neuroradiology</i> , 2019 , 40, 206-212	4.4	83
437	Collaterals are a major determinant of the core but not the penumbra volume in acute ischemic stroke. <i>Neuroradiology</i> , 2019 , 61, 971-978	3.2	11
436	Deep Learning Convolutional Neural Networks for the Automatic Quantification of Muscle Fat Infiltration Following Whiplash Injury. <i>Scientific Reports</i> , 2019 , 9, 7973	4.9	28

435	Common Data Elements for Radiological Imaging of Patients with Subarachnoid Hemorrhage: Proposal of a Multidisciplinary Research Group. <i>Neurocritical Care</i> , 2019 , 30, 60-78	3.3	10
434	Factors influencing infarct growth including collateral status assessed using computed tomography in acute stroke patients with large artery occlusion. <i>International Journal of Stroke</i> , 2019 , 14, 603-612	6.3	9
433	Optimization of a Multifrequency Magnetic Resonance Elastography Protocol for the Human Brain. <i>Journal of Neuroimaging</i> , 2019 , 29, 440-446	2.8	12
432	Neuroimaging selection for thrombectomy in pediatric stroke: a single-center experience. <i>Journal of NeuroInterventional Surgery</i> , 2019 , 11, 940-946	7.8	17
431	Collateral blood flow measurement with intravoxel incoherent motion perfusion imaging in hyperacute brain stroke. <i>Neurology</i> , 2019 , 92, e2462-e2471	6.5	17
430	Longitudinal Changes in Hippocampal Subfield Volume Associated with Collegiate Football. <i>Journal of Neurotrauma</i> , 2019 , 36, 2762-2773	5.4	13
429	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. <i>European Radiology</i> , 2019 , 29, 3506-3515	8	15
428	Hypoperfusion Intensity Ratio Is Correlated With Patient Eligibility for Thrombectomy. <i>Stroke</i> , 2019 , 50, 917-922	6.7	27
427	A statistical approach to identify optimal inclusion criteria: An application to acute stroke clinical trials. <i>Contemporary Clinical Trials Communications</i> , 2019 , 14, 100355	1.8	
426	Stability of Blood Biomarkers of Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2019 , 36, 2407-2416	5.4	10
425	Imaging biomarkers of vulnerable carotid plaques for stroke risk prediction and their potential clinical implications. <i>Lancet Neurology</i> , 2019 , 18, 559-572	24.1	129
424	Focal Hypoperfusion in Acute Ischemic Stroke Perfusion CT: Clinical and Radiologic Predictors and Accuracy for Infarct Prediction. <i>American Journal of Neuroradiology</i> , 2019 , 40, 483-489	4.4	6
423	Applications of Deep Learning to Neuro-Imaging Techniques. <i>Frontiers in Neurology</i> , 2019 , 10, 869	4.1	55
422	Application of FLAIR Vascular Hyperintensity-DWI Mismatch in Ischemic Stroke Depending on Semi-Quantitative DWI-Alberta Stroke Program Early CT Score. <i>Frontiers in Neurology</i> , 2019 , 10, 994	4.1	3
421	Automated CT perfusion imaging for acute ischemic stroke: Pearls and pitfalls for real-world use. <i>Neurology</i> , 2019 , 93, 888-898	6.5	61
420	Large-scale ensemble simulations of biomathematical brain arteriovenous malformation models using graphics processing unit computation. <i>Computers in Biology and Medicine</i> , 2019 , 113, 103416	7	2
419	Perfusion Computed Tomography in Acute Ischemic Stroke. <i>Radiologic Clinics of North America</i> , 2019 , 57, 1109-1116	2.3	5
418	Semiautomated Characterization of Carotid Artery Plaque Features From Computed Tomography Angiography to Predict Atherosclerotic Cardiovascular Disease Risk Score. <i>Journal of Computer Assisted Tomography</i> , 2019 , 43, 452-459	2.2	13

417	Validation of the NeuroImaging Radiological Interpretation System for Acute Traumatic Brain Injury. <i>Journal of Computer Assisted Tomography</i> , 2019 , 43, 690-696	2.2	3
416	Variation of degree of stenosis quantification using different energy level with dual energy CT scanner. <i>Neuroradiology</i> , 2019 , 61, 285-291	3.2	7
415	Quantification of Macrophages in High-Grade Gliomas by Using Ferumoxytol-enhanced MRI: A Pilot Study. <i>Radiology</i> , 2019 , 290, 198-206	20.5	36
414	FDG PET/MRI Coregistration Helps Predict Response to Gamma Knife Radiosurgery in Patients With Brain Metastases. <i>American Journal of Roentgenology</i> , 2019 , 212, 425-430	5.4	9
413	Determining factors of better leptomeningeal collaterals: a study of 857 consecutive acute ischemic stroke patients. <i>Journal of Neurology</i> , 2019 , 266, 582-588	5.5	19
412	Macrovascular Networks on Contrast-Enhanced Magnetic Resonance Imaging Improves Survival Prediction in Newly Diagnosed Glioblastoma. <i>Cancers</i> , 2019 , 11,	6.6	2
411	JOURNAL CLUB: 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	5.4	28
410	Assessing the Relationship between Atherosclerotic Cardiovascular Disease Risk Score and Carotid Artery Imaging Findings. <i>Journal of Neuroimaging</i> , 2019 , 29, 119-125	2.8	7
409	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. <i>Ultrasound in Medicine and Biology</i> , 2019 , 45, 129-136	3.5	2
408	Connectometry evaluation in patients undergoing carotid endarterectomy: an exploratory study. <i>Brain Imaging and Behavior</i> , 2019 , 13, 1708-1718	4.1	7
407	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. <i>European Journal of Radiology</i> , 2019 , 110, 233-241	4.7	13
406	Imaging Evaluation of the Adult Presenting With New-Onset Seizure. <i>American Journal of Roentgenology</i> , 2019 , 212, 15-25	5.4	7
405	Intracranial Hemorrhage Imaging. <i>Seminars in Ultrasound, CT and MRI</i> , 2018 , 39, 441-456	1.7	6
404	Neuroimaging Radiological Interpretation System for Acute Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2018 , 35, 2665-2672	5.4	15
403	Deep learning enables reduced gadolinium dose for contrast-enhanced brain MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 330-340	5.6	132
402	Reduced Intravoxel Incoherent Motion Microvascular Perfusion Predicts Delayed Cerebral Ischemia and Vasospasm After Aneurysm Rupture. <i>Stroke</i> , 2018 , 49, 741-745	6.7	14
401	Deep Learning in Neuroradiology. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1776-1784	4.4	142
400	A review of potential applications of MR-guided focused ultrasound for targeting brain tumor therapy. <i>Neurosurgical Focus</i> , 2018 , 44, E10	4.2	27

399	Resting-State Functional MRI: Everything That Nonexperts Have Always Wanted to Know. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1390-1399	4.4	137
398	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	11.5	51
397	Double diffusion encoding MRI for the clinic. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 507-520	4.4	44
396	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	4.4	125
395	Can diffusion- and perfusion-weighted imaging alone accurately triage anterior circulation acute ischemic stroke patients to endovascular therapy?. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 1132-1136 ⁸	7.8	8
394	Current Clinical State of Advanced Magnetic Resonance Imaging for Brain Tumor Diagnosis and Follow Up. <i>Seminars in Roentgenology</i> , 2018 , 53, 45-61	0.8	7
393	Comparison of MRI techniques for detecting microadenomas in Cushing's disease. <i>Journal of Neurosurgery</i> , 2018 , 128, 1051-1057	3.2	35
392	New developments in clinical ischemic stroke prevention and treatment and their imaging implications. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018 , 38, 1533-1550	7.3	10
391	Transcranial MRI-guided high-intensity focused ultrasound for treatment of essential tremor: A pilot study on the correlation between lesion size, lesion location, thermal dose, and clinical outcome. <i>Journal of Magnetic Resonance Imaging</i> , 2018 , 48, 58-65	5.6	33
390	Reducing Inappropriate Lumbar Spine MRI for Low Back Pain: Radiology Support, Communication and Alignment Network. <i>Journal of the American College of Radiology</i> , 2018 , 15, 116-122	3.5	17
389	Radiation dose and image quality of computed tomography of the supra-aortic arteries: A comparison between single-source and dual-source CT Scanners. <i>Journal of Neuroradiology</i> , 2018 , 45, 136-141	3.1	7
388	Early administration of pyrrolidine dithiocarbamate extends the therapeutic time window of tissue plasminogen activator in a male rat model of embolic stroke. <i>Journal of Neuroscience Research</i> , 2018 , 96, 449-458	4.4	1
387	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	4.1	33
386	Pediatric Stroke Imaging. <i>Pediatric Neurology</i> , 2018 , 86, 5-18	2.9	10
385	Management of Incidental Pituitary Findings on CT, MRI, and F-Fluorodeoxyglucose PET: A White Paper of the ACR Incidental Findings Committee. <i>Journal of the American College of Radiology</i> , 2018 , 15, 966-972	3.5	20
384	Collateral Clock Is More Important Than Time Clock for Tissue Fate. <i>Stroke</i> , 2018 , 49, 2102-2107	6.7	55
383	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. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1635-1642	4.4	8
382	The vast potential and bright future of neuroimaging. <i>British Journal of Radiology</i> , 2018 , 91, 20170505	3.4	6

381	Convergence Analysis of Micro-Lesions (CAML): An approach to mapping of diffuse lesions from carotid revascularization. <i>NeuroImage: Clinical</i> , 2018 , 18, 553-559	5.3	
380	Neuroimaging of brain trauma. <i>Current Opinion in Neurology</i> , 2018 , 31, 362-370	7.1	7
379	Neuroimaging of Traumatic Brain Injury. <i>Medical Sciences (Basel, Switzerland)</i> , 2018 , 7,	3.3	6
378	Accuracy of detecting enlargement of aneurysms using different MRI modalities and measurement protocols. <i>Journal of Neurosurgery</i> , 2018 , 130, 559-565	3.2	7
377	MR Perfusion to Determine the Status of Collaterals in Patients with Acute Ischemic Stroke: A Look Beyond Time Maps. <i>American Journal of Neuroradiology</i> , 2018 , 39, 219-225	4.4	10
376	Janus Iron Oxides @ Semiconducting Polymer Nanoparticle Tracer for Cell Tracking by Magnetic Particle Imaging. <i>Nano Letters</i> , 2018 , 18, 182-189	11.5	117
375	Clinical Evaluation of Silent T1-Weighted MRI and Silent MR Angiography of the Brain. <i>American Journal of Roentgenology</i> , 2018 , 210, 404-411	5.4	26
374	A spiral-based volumetric acquisition for MR temperature imaging. <i>Magnetic Resonance in Medicine</i> , 2018 , 79, 3122-3127	4.4	9
373	Perfusion Imaging in Acute Traumatic Brain Injury. <i>Neuroimaging Clinics of North America</i> , 2018 , 28, 55-65		12
372	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	7.3	33
371	P2-383: CONVERGENCE ANALYSIS OF MICRO-LESIONS (CAML) FOR DIFFUSE PATHOLOGIES 2018 , 14, P844-P845		
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