

# Ajay Gupta

## List of Publications by Citations

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**Version:** 2024-04-26

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153  
papers

4,135  
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31  
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171  
ext. papers

5,232  
ext. citations

5  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
153	Carotid plaque MRI and stroke risk: a systematic review and meta-analysis. <i>Stroke</i> , <b>2013</b> , 44, 3071-7	6.7	331
152	Risk of Ischemic Stroke in Patients With Coronavirus Disease 2019 (COVID-19) vs Patients With Influenza. <i>JAMA Neurology</i> , <b>2020</b> ,	17.2	312
151	Cerebrovascular reserve and stroke risk in patients with carotid stenosis or occlusion: a systematic review and meta-analysis. <i>Stroke</i> , <b>2012</b> , 43, 2884-91	6.7	212
150	Quantitative susceptibility mapping of multiple sclerosis lesions at various ages. <i>Radiology</i> , <b>2014</b> , 271, 183-92	20.5	164
149	The present and future of deep learning in radiology. <i>European Journal of Radiology</i> , <b>2019</b> , 114, 14-24	4.7	143
148	Clinical quantitative susceptibility mapping (QSM): Biometal imaging and its emerging roles in patient care. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 46, 951-971	5.6	128
147	Plaque echolucency and stroke risk in asymptomatic carotid stenosis: a systematic review and meta-analysis. <i>Stroke</i> , <b>2015</b> , 46, 91-7	6.7	127
146	MR perfusion-weighted imaging in the evaluation of high-grade gliomas after treatment: a systematic review and meta-analysis. <i>Neuro-Oncology</i> , <b>2017</b> , 19, 118-127	1	127
145	Restarting Anticoagulant Therapy After Intracranial Hemorrhage: A Systematic Review and Meta-Analysis. <i>Stroke</i> , <b>2017</b> , 48, 1594-1600	6.7	124
144	Silent Brain Infarction and Risk of Future Stroke: A Systematic Review and Meta-Analysis. <i>Stroke</i> , <b>2016</b> , 47, 719-25	6.7	107
143	Quantitative mapping of cerebral metabolic rate of oxygen (CMRO <sub>2</sub> ) using quantitative susceptibility mapping (QSM). <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 74, 945-52	4.4	92
142	Magnetic resonance angiography detection of abnormal carotid artery plaque in patients with cryptogenic stroke. <i>Journal of the American Heart Association</i> , <b>2015</b> , 4, e002012	6	63
141	Tailoring the Approach to Embolic Stroke of Undetermined Source: A Review. <i>JAMA Neurology</i> , <b>2019</b> , 76, 855-861	17.2	58
140	Improved correlation between carotid and coronary atherosclerosis SYNTAX score using automated ultrasound carotid bulb plaque IMT measurement. <i>Ultrasound in Medicine and Biology</i> , <b>2015</b> , 41, 1247-62	3.5	56
139	Longitudinal change in magnetic susceptibility of new enhanced multiple sclerosis (MS) lesions measured on serial quantitative susceptibility mapping (QSM). <i>Journal of Magnetic Resonance Imaging</i> , <b>2016</b> , 44, 426-32	5.6	51
138	Imaging characteristics associated with clinical outcomes in posterior reversible encephalopathy syndrome. <i>Neuroradiology</i> , <b>2017</b> , 59, 379-386	3.2	49
137	Plaque Tissue Morphology-Based Stroke Risk Stratification Using Carotid Ultrasound: A Polling-Based PCA Learning Paradigm. <i>Journal of Medical Systems</i> , <b>2017</b> , 41, 98	5.1	44

136	The clinical utility of QSM: disease diagnosis, medical management, and surgical planning. <i>NMR in Biomedicine</i> , <b>2017</b> , 30, e3668	4.4	44
135	Gadolinium Enhancement in Intracranial Atherosclerotic Plaque and Ischemic Stroke: A Systematic Review and Meta-Analysis. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	43
134	Stroke Risk Stratification and its Validation using Ultrasonic Echolucent Carotid Wall Plaque Morphology: A Machine Learning Paradigm. <i>Computers in Biology and Medicine</i> , <b>2017</b> , 80, 77-96	7	42
133	Brain Imaging of Patients with COVID-19: Findings at an Academic Institution during the Height of the Outbreak in New York City. <i>American Journal of Neuroradiology</i> , <b>2020</b> , 41, 2001-2008	4.4	42
132	Quantitative Susceptibility Mapping and R2* Measured Changes during White Matter Lesion Development in Multiple Sclerosis: Myelin Breakdown, Myelin Debris Degradation and Removal, and Iron Accumulation. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 1629-35	4.4	41
131	Neutrophil-Lymphocyte Ratio and Perihematomal Edema Growth in Intracerebral Hemorrhage. <i>Stroke</i> , <b>2017</b> , 48, 2589-2592	6.7	41
130	Multiple sclerosis lesion geometry in quantitative susceptibility mapping (QSM) and phase imaging. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 42, 224-9	5.6	38
129	A comparative approach of four different image registration techniques for quantitative assessment of coronary artery calcium lesions using intravascular ultrasound. <i>Computer Methods and Programs in Biomedicine</i> , <b>2015</b> , 118, 158-72	6.9	38
128	Association between Carotid Plaque Features on CTA and Cerebrovascular Ischemia: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , <b>2017</b> , 38, 2321-2326	4.4	36
127	Evaluation of computed tomography angiography plaque thickness measurements in high-grade carotid artery stenosis. <i>Stroke</i> , <b>2014</b> , 45, 740-5	6.7	36
126	A low-cost machine learning-based cardiovascular/stroke risk assessment system: integration of conventional factors with image phenotypes. <i>Cardiovascular Diagnosis and Therapy</i> , <b>2019</b> , 9, 420-430	2.6	35
125	Association Between Nonstenosing Carotid Artery Plaque on MR Angiography and Acute Ischemic Stroke. <i>JACC: Cardiovascular Imaging</i> , <b>2016</b> , 9, 1228-1229	8.4	34
124	Cerebral metabolic rate of oxygen (CMRO ) mapping with hyperventilation challenge using quantitative susceptibility mapping (QSM). <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 1762-1773	4.4	33
123	The imaging spectrum of posterior reversible encephalopathy syndrome: A pictorial review. <i>Clinical Imaging</i> , <b>2018</b> , 47, 80-89	2.7	33
122	Cerebral metabolic rate of oxygen (CMRO ) mapping by combining quantitative susceptibility mapping (QSM) and quantitative blood oxygenation level-dependent imaging (qBOLD). <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 80, 1595-1604	4.4	31
121	Accurate cloud-based smart IMT measurement, its validation and stroke risk stratification in carotid ultrasound: A web-based point-of-care tool for multicenter clinical trial. <i>Computers in Biology and Medicine</i> , <b>2016</b> , 75, 217-34	7	31
120	A Review on Carotid Ultrasound Atherosclerotic Tissue Characterization and Stroke Risk Stratification in Machine Learning Framework. <i>Current Atherosclerosis Reports</i> , <b>2015</b> , 17, 55	6	30
119	Corticosteroid therapy and severity of vasogenic edema in posterior reversible encephalopathy syndrome. <i>Journal of the Neurological Sciences</i> , <b>2017</b> , 380, 11-15	3.2	29

118	Global perspective on carotid intima-media thickness and plaque: should the current measurement guidelines be revisited?. <i>International Angiology</i> , <b>2019</b> , 38, 451-465	2.2	29
117	Performance evaluation of 10-year ultrasound image-based stroke/cardiovascular (CV) risk calculator by comparing against ten conventional CV risk calculators: A diabetic study. <i>Computers in Biology and Medicine</i> , <b>2019</b> , 105, 125-143	7	29
116	Magnetic Susceptibility from Quantitative Susceptibility Mapping Can Differentiate New Enhancing from Nonenhancing Multiple Sclerosis Lesions without Gadolinium Injection. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 1794-1799	4.4	28
115	Nonlinear model for the carotid artery disease 10-year risk prediction by fusing conventional cardiovascular factors to carotid ultrasound image phenotypes: A Japanese diabetes cohort study. <i>Echocardiography</i> , <b>2019</b> , 36, 345-361	1.5	28
114	Effect of carotid image-based phenotypes on cardiovascular risk calculator: AECRS1.0. <i>Medical and Biological Engineering and Computing</i> , <b>2019</b> , 57, 1553-1566	3.1	27
113	Automated segmental-IMT measurement in thin/thick plaque with bulb presence in carotid ultrasound from multiple scanners: Stroke risk assessment. <i>Computer Methods and Programs in Biomedicine</i> , <b>2017</b> , 141, 73-81	6.9	26
112	A Special Report on Changing Trends in Preventive Stroke/Cardiovascular Risk Assessment Via B-Mode Ultrasonography. <i>Current Atherosclerosis Reports</i> , <b>2019</b> , 21, 25	6	26
111	Silent Brain Infarction in Patients With Asymptomatic Carotid Artery Atherosclerotic Disease. <i>Stroke</i> , <b>2016</b> , 47, 1368-70	6.7	26
110	A Review on Atherosclerotic Biology, Wall Stiffness, Physics of Elasticity, and Its Ultrasound-Based Measurement. <i>Current Atherosclerosis Reports</i> , <b>2016</b> , 18, 83	6	25
109	Detection of Symptomatic Carotid Plaque Using Source Data from MR and CT Angiography: A Correlative Study. <i>Cerebrovascular Diseases</i> , <b>2015</b> , 39, 151-61	3.2	24
108	Morphologic TPA (mTPA) and composite risk score for moderate carotid atherosclerotic plaque is strongly associated with HbA1c in diabetes cohort. <i>Computers in Biology and Medicine</i> , <b>2018</b> , 101, 128-145	7	24
107	Web-based accurate measurements of carotid lumen diameter and stenosis severity: An ultrasound-based clinical tool for stroke risk assessment during multicenter clinical trials. <i>Computers in Biology and Medicine</i> , <b>2017</b> , 91, 306-317	7	24
106	Reclassification of Ischemic Stroke Etiological Subtypes on the Basis of High-Risk Nonstenosing Carotid Plaque. <i>Stroke</i> , <b>2020</b> , 51, 504-510	6.7	24
105	The Use of Noncontrast Quantitative MRI to Detect Gadolinium-Enhancing Multiple Sclerosis Brain Lesions: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , <b>2017</b> , 38, 1317-1322	4.4	23
104	The Association between Carotid Artery Atherosclerosis and Silent Brain Infarction: A Systematic Review and Meta-analysis. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2017</b> , 26, 1594-1601	2.8	23
103	Embolic stroke of undetermined source: The role of the nonstenotic carotid plaque. <i>Journal of the Neurological Sciences</i> , <b>2017</b> , 382, 49-52	3.2	22
102	Ranking of stroke and cardiovascular risk factors for an optimal risk calculator design: Logistic regression approach. <i>Computers in Biology and Medicine</i> , <b>2019</b> , 108, 182-195	7	22
101	Quantitative susceptibility mapping-based cerebral metabolic rate of oxygen mapping with minimum local variance. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 172-179	4.4	22

100	Echolucency-based phenotype in carotid atherosclerosis disease for risk stratification of diabetes patients. <i>Diabetes Research and Clinical Practice</i> , <b>2018</b> , 143, 322-331	7.4	22
99	Moving beyond luminal stenosis: imaging strategies for stroke prevention in asymptomatic carotid stenosis. <i>Cerebrovascular Diseases</i> , <b>2015</b> , 39, 253-61	3.2	21
98	Carotid inter-adventitial diameter is more strongly related to plaque score than lumen diameter: An automated tool for stroke analysis. <i>Journal of Clinical Ultrasound</i> , <b>2016</b> , 44, 210-20	1	21
97	Imaging evaluation of the parapharyngeal space. <i>Otolaryngologic Clinics of North America</i> , <b>2012</b> , 45, 1223-32	2.3	20
96	Timing of Carotid Revascularization Procedures After Ischemic Stroke. <i>Stroke</i> , <b>2017</b> , 48, 225-228	6.7	19
95	Accurate lumen diameter measurement in curved vessels in carotid ultrasound: an iterative scale-space and spatial transformation approach. <i>Medical and Biological Engineering and Computing</i> , <b>2017</b> , 55, 1415-1434	3.1	19
94	Causes of Acute Stroke: A Patterned Approach. <i>Radiologic Clinics of North America</i> , <b>2019</b> , 57, 1093-1108	2.3	19
93	A Pooled Analysis of Diffusion-Weighted Imaging Lesions in Patients With Acute Intracerebral Hemorrhage. <i>JAMA Neurology</i> , <b>2020</b> , 77, 1390-1397	17.2	18
92	Quantifying Intracranial Internal Carotid Artery Stenosis on MR Angiography. <i>American Journal of Neuroradiology</i> , <b>2017</b> , 38, 986-990	4.4	17
91	Cost-Effectiveness of Carotid Plaque MR Imaging as a Stroke Risk Stratification Tool in Asymptomatic Carotid Artery Stenosis. <i>Radiology</i> , <b>2015</b> , 277, 763-72	20.5	17
90	Magnetic susceptibility increases as diamagnetic molecules breakdown: Myelin digestion during multiple sclerosis lesion formation contributes to increase on QSM. <i>Journal of Magnetic Resonance Imaging</i> , <b>2018</b> , 48, 1281-1287	5.6	17
89	Imaging evaluation of the suprahyoid neck. <i>Radiologic Clinics of North America</i> , <b>2015</b> , 53, 133-44	2.3	16
88	Left Atrial Appendage Morphology and Embolic Stroke of Undetermined Source: A Cross-Sectional Multicenter Pilot Study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2018</b> , 27, 1497-1501	2.8	16
87	Application of Blood-Brain Barrier Permeability Imaging in Global Cerebral Edema. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 1599-603	4.4	16
86	Two Automated Techniques for Carotid Lumen Diameter Measurement: Regional versus Boundary Approaches. <i>Journal of Medical Systems</i> , <b>2016</b> , 40, 182	5.1	16
85	Carotid Web: Appearance at MR Angiography. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, E5-6	4.4	16
84	Endovascular therapy for acute stroke in patients with cancer. <i>Neurohospitalist, The</i> , <b>2014</b> , 4, 133-5	1.1	16
83	Continuing the search for MR imaging biomarkers for MGMT promoter methylation status: conventional and perfusion MRI revisited. <i>Neuroradiology</i> , <b>2012</b> , 54, 641-3	3.2	16

82	Risk of Ischemic Stroke in Patients with Covid-19 versus Patients with Influenza <b>2020</b> ,		16
81	Cluster analysis of time evolution (CAT) for quantitative susceptibility mapping (QSM) and quantitative blood oxygen level-dependent magnitude (qBOLD)-based oxygen extraction fraction (OEF) and cerebral metabolic rate of oxygen (CMRO ) mapping. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 83, 844-857	4.4	16
80	Carotid Vessel Wall Imaging on CTA. <i>American Journal of Neuroradiology</i> , <b>2020</b> , 41, 380-386	4.4	16
79	Cryptogenic Stroke and Nonstenosing Intracranial Calcified Atherosclerosis. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2017</b> , 26, 863-870	2.8	15
78	Morphological Carotid Plaque Area Is Associated With Glomerular Filtration Rate: A Study of South Asian Indian Patients With Diabetes and Chronic Kidney Disease. <i>Angiology</i> , <b>2020</b> , 71, 520-535	2.1	15
77	White Matter Diffusion Abnormalities in Carotid Artery Disease: A Systematic Review and Meta-Analysis. <i>Journal of Neuroimaging</i> , <b>2016</b> , 26, 481-8	2.8	15
76	High-resolution QSM for functional and structural depiction of subthalamic nuclei in DBS presurgical mapping. <i>Journal of Neurosurgery</i> , <b>2018</b> , 131, 360-367	3.2	15
75	Sellar collision tumor involving metastatic lung cancer and pituitary adenoma: radiologic-pathologic correlation and review of the literature. <i>Clinical Imaging</i> , <b>2014</b> , 38, 318-21	2.7	15
74	Variability in the position of the retropharyngeal internal carotid artery. <i>Laryngoscope</i> , <b>2013</b> , 123, 401-3	3.6	15
73	Blood-Brain Barrier Permeability in Aneurysmal Subarachnoid Hemorrhage: Correlation With Clinical Outcomes. <i>American Journal of Roentgenology</i> , <b>2018</b> , 211, 891-895	5.4	15
72	Magnetic resonance spectroscopy abnormalities in traumatic brain injury: A meta-analysis. <i>Journal of Neuroradiology</i> , <b>2018</b> , 45, 123-129	3.1	14
71	Protrusion of the Infraorbital Nerve into the Maxillary Sinus on CT: Prevalence, Proposed Grading Method, and Suggested Clinical Implications. <i>American Journal of Neuroradiology</i> , <b>2016</b> , 37, 349-53	4.4	14
70	Neuroimaging of cerebrovascular disease in the aging brain <b>2012</b> , 3, 414-25		13
69	Quantitative Susceptibility Mapping: MRI at 7T versus 3T. <i>Journal of Neuroimaging</i> , <b>2020</b> , 30, 65-75	2.8	13
68	Machine Learning Prediction of Stroke Mechanism in Embolic Strokes of Undetermined Source. <i>Stroke</i> , <b>2020</b> , 51, e203-e210	6.7	13
67	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> , <b>2019</b> , 43, 452-459	2.2	13
66	Extracranial internal carotid artery calcium volume measurement using computer tomography. <i>International Angiology</i> , <b>2017</b> , 36, 445-461	2.2	12
65	Diagnostic accuracy of semiautomatic lesion detection plus quantitative susceptibility mapping in the identification of new and enhancing multiple sclerosis lesions. <i>NeuroImage: Clinical</i> , <b>2018</b> , 18, 143-148	5.3	11

64	Carotid artery stenosis: cost-effectiveness of assessment of cerebrovascular reserve to guide treatment of asymptomatic patients. <i>Radiology</i> , <b>2015</b> , 274, 455-63	20.5	11
63	: Deep Spatial-Temporal Image Restoration Net for Radiation Reduction in CT Perfusion. <i>Frontiers in Neurology</i> , <b>2019</b> , 10, 647	4.1	10
62	Carotid Plaque Positron Emission Tomography Imaging and Cerebral Ischemic Disease. <i>Stroke</i> , <b>2019</b> , 50, 2072-2079	6.7	10
61	Multimodal Diagnostic Imaging for Hyperacute Stroke. <i>American Journal of Neuroradiology</i> , <b>2015</b> , 36, 2206-13	4.4	9
60	Perivascular Fat Density and Contrast Plaque Enhancement: Does a Correlation Exist?. <i>American Journal of Neuroradiology</i> , <b>2020</b> , 41, 1460-1465	4.4	9
59	Relationship Between Visceral Infarction and Ischemic Stroke Subtype. <i>Stroke</i> , <b>2018</b> , 49, 727-729	6.7	8
58	Angiographic Blush after Mechanical Thrombectomy is Associated with Hemorrhagic Transformation of Ischemic Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2018</b> , 27, 3124-3130	2.8	8
57	Orbital soft-tissue trauma. <i>Neuroimaging Clinics of North America</i> , <b>2014</b> , 24, 425-37, vii	3	8
56	Association between Intracranial Atherosclerotic Calcium Burden and Angiographic Luminal Stenosis Measurements. <i>American Journal of Neuroradiology</i> , <b>2017</b> , 38, 1723-1729	4.4	8
55	Initial Experience of Challenge-Free MRI-Based Oxygen Extraction Fraction Mapping of Ischemic Stroke at Various Stages: Comparison With Perfusion and Diffusion Mapping. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 535441	5.1	8
54	Associations Between Features of Nonstenosing Carotid Plaque on Computed Tomographic Angiography and Ischemic Stroke Subtypes. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e014818	6	8
53	Troponin Improves the Yield of Transthoracic Echocardiography in Ischemic Stroke Patients of Determined Stroke Subtype. <i>Stroke</i> , <b>2018</b> , 49, 2777-2779	6.7	8
52	Clinical feasibility of brain quantitative susceptibility mapping. <i>Magnetic Resonance Imaging</i> , <b>2019</b> , 60, 44-51	3.3	7
51	WALL SHEAR STRESS AND OSCILLATORY SHEAR INDEX DISTRIBUTION IN CAROTID ARTERY WITH VARYING DEGREE OF STENOSIS: A HEMODYNAMIC STUDY. <i>Journal of Mechanics in Medicine and Biology</i> , <b>2017</b> , 17, 1750037	0.7	7
50	Ultrasound-Based Automated Carotid Lumen Diameter/Stenosis Measurement and its Validation System. <i>Journal for Vascular Ultrasound</i> , <b>2016</b> , 40, 120-134	0.1	7
49	Diffusion-Weighted Imaging Lesions After Intracerebral Hemorrhage and Risk of Stroke: A MISTIE III and ATACH-2 Analysis. <i>Stroke</i> , <b>2021</b> , 52, 595-602	6.7	7
48	On the influence of zero-padding on the nonlinear operations in Quantitative Susceptibility Mapping. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 35, 154-159	3.3	6
47	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> , <b>2021</b> , 42, 1566-1575	4.4	6

46	Clinical Integration of Quantitative Susceptibility Mapping Magnetic Resonance Imaging into Neurosurgical Practice. <i>World Neurosurgery</i> , <b>2019</b> , 122, e10-e19	2.1	6
45	Can Pay-for Performance Incentive Levels be Determined Using a Cost-Effectiveness Framework?. <i>Circulation: Cardiovascular Quality and Outcomes</i> , <b>2020</b> , 13, e006492	5.8	5
44	Amyloid $\beta$ -Related Central Nervous System Angiitis Presenting With an Isolated Seizure. <i>Neurohospitalist, The</i> , <b>2014</b> , 4, 86-9	1.1	5
43	The Role of Imaging in Clinical Stroke Scales That Predict Functional Outcome: A Systematic Review. <i>Neurohospitalist, The</i> , <b>2017</b> , 7, 169-178	1.1	5
42	Management of Patients with Asymptomatic Carotid Stenosis May Need to Be Individualized: A Multidisciplinary Call for Action. <i>Journal of Stroke</i> , <b>2021</b> , 23, 202-212	5.6	5
41	TENDER: Tensor non-local deconvolution enabled radiation reduction in CT perfusion. <i>Neurocomputing</i> , <b>2017</b> , 229, 13-22	5.4	4
40	Volumetric Landmark Detection with a Multi-Scale Shift Equivariant Neural Network <b>2020</b> ,		4
39	Glioblastoma-arteriovenous fistula complex: imaging characteristics and treatment considerations. <i>Clinical Imaging</i> , <b>2014</b> , 38, 187-90	2.7	4
38	Differences in Admission Blood Pressure Among Causes of Intracerebral Hemorrhage. <i>Stroke</i> , <b>2020</b> , 51, 644-647	6.7	4
37	Brain imaging biomarkers of carotid artery disease. <i>Annals of Translational Medicine</i> , <b>2020</b> , 8, 1277	3.2	4
36	Quantitative transport mapping (QTM) of the kidney with an approximate microvascular network. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 2247-2262	4.4	4
35	Origins of atrophy in Parkinson linked to early onset and local transcription patterns. <i>Brain Communications</i> , <b>2020</b> , 2, fcaa065	4.5	3
34	Quantitative susceptibility mapping of carotid plaques using nonlinear total field inversion: Initial experience in patients with significant carotid stenosis. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 1501-1509	4.4	3
33	Optimal Management of Asymptomatic Carotid Stenosis in 2021: The Jury is Still Out. An International, Multispecialty, Expert Review and Position Statement. <i>Journal of Stroke and Cerebrovascular Diseases</i> , <b>2021</b> , 31, 106182	2.8	3
32	Molecular Imaging of Striatal Dopaminergic Neuronal Loss and the Neurovascular Unit in Parkinson Disease. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 528809	5.1	3
31	Ensembling Low Precision Models for Binary Biomedical Image Segmentation <b>2021</b> ,		3
30	Improving imaging to optimize screening strategies for carotid artery stenosis. <i>Clinical Imaging</i> , <b>2016</b> , 40, 276-8	2.7	2
29	Cost Effectiveness of Assessing Ultrasound Plaque Characteristics to Risk Stratify Asymptomatic Patients With Carotid Stenosis. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e012739	6	2



28	A special report on changing trends in preventive stroke/cardiovascular risk assessment via B-mode ultrasonography <b>2020</b> , 291-318		2
27	Fast and Robust Unsupervised Identification of MS Lesion Change Using the Statistical Detection of Changes Algorithm. <i>American Journal of Neuroradiology</i> , <b>2018</b> , 39, 830-833	4.4	2
26	Response by Murthy et al to Letter Regarding Article, "Restarting Anticoagulant Therapy After Intracranial Hemorrhage: A Systematic Review and Meta-Analysis". <i>Stroke</i> , <b>2017</b> , 48, e267	6.7	2
25	American neuroborreliosis presenting as cranial polyneuritis and radiculoneuritis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , <b>2014</b> , 1, e30	9.1	2
24	Associations between the size and location of myocardial infarction and cerebral infarction. <i>Journal of the Neurological Sciences</i> , <b>2020</b> , 419, 117182	3.2	2
23	Population-based input function for TSPO quantification and kinetic modeling with [C]-DPA-713. <i>EJNMMI Physics</i> , <b>2021</b> , 8, 39	4.4	2
22	Extracranial Vascular Disease: Carotid Stenosis and Plaque Imaging. <i>Neuroimaging Clinics of North America</i> , <b>2021</b> , 31, 157-166	3	2
21	Temporal clustering, tissue composition, and total variation for mapping oxygen extraction fraction using QSM and quantitative BOLD. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 2635-2646	4.4	2
20	Management of patients with asymptomatic carotid stenosis may need to be individualized: a multidisciplinary call for action. Republication of J Stroke 2021;23:202-212. <i>International Angiology</i> , <b>2021</b> , 40, 487-496	2.2	2
19	Carotid Artery Stiffness: Imaging Techniques and Impact on Cerebrovascular Disease.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2022</b> , 9, 852173	5.4	2
18	The Reversal Sign: An Ominous Imaging Finding. <i>Neurohospitalist, The</i> , <b>2015</b> , 5, 251-2	1.1	1
17	Potential role of lipoic acid as a chelator in prevention and treatment of gadolinium brain retention. <i>Medical Hypotheses</i> , <b>2018</b> , 114, 29	3.8	1
16	Direct estimation of permeability maps for low-dose CT perfusion <b>2016</b> ,		1
15	Association Between Systemic Amyloidosis and Intracranial Hemorrhage.. <i>Stroke</i> , <b>2022</b> , STROKEAHA121038451		1
14	Reply. <i>American Journal of Neuroradiology</i> , <b>2021</b> , 42, E12	4.4	1
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12	Carotid Artery Plaque Calcifications: Lessons From Histopathology to Diagnostic Imaging. <i>Stroke</i> , <b>2021</b> , STROKEAHA121035692	6.7	1
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8	Brain oxygen extraction fraction mapping in patients with multiple sclerosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2021</b> , 271678X211048031	7.3	1
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6	Carotid artery plaque characteristics: current reporting practices on CT angiography. <i>Neuroradiology</i> , <b>2021</b> , 63, 1013-1018	3.2	0
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