Ajay Gupta

List of Publications by Year in Descending Order

153 papers	4,135 citations	31 h-index	58 g-index
171 ext. papers	5,232 ext. citations	5 avg, IF	5.55 L-index

#	Paper	IF	Citations
153	Optimal Management of Asymptomatic Carotid Stenosis: Counterbalancing the Benefits with the Potential Risks.. *Journal of Stroke*, **2022**, 24, 163-165	5.6	
152	Association Between Systemic Amyloidosis and Intracranial Hemorrhage.. *Stroke*, **2022**, STROKEAHA121038451	6.7	1
151	Diagnostic accuracy of shuttle CT angiography (CTA) and helical CTA in the diagnosis of vasospasm. *Clinical Imaging*, **2022**, 81, 37-42	2.7	
150	Carotid Artery Stiffness: Imaging Techniques and Impact on Cerebrovascular Disease.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 852173	5.4	2
149	Quantitative Water Permeability Mapping of Blood-Brain-Barrier Dysfunction in Aging.. *Frontiers in Aging Neuroscience*, **2022**, 14, 867452	5.3	0
148	Comparing hematoma characteristics in primary intracerebral hemorrhage versus intracerebral hemorrhage caused by structural vascular lesions.. *Journal of Clinical Neuroscience*, **2022**, 99, 5-9	2.2	0
147	Reply. *American Journal of Neuroradiology*, **2021**, 42, E12	4.4	1
146	Asymptomatic Carotid Disease and Cognitive Impairment: What Is the Evidence?. *Frontiers in Neurology*, **2021**, 12, 741500	4.1	1
145	Carotid Artery Plaque Calcifications: Lessons From Histopathology to Diagnostic Imaging. *Stroke*, **2021**, STROKEAHA121035692	6.7	1
144	QQ-NET - using deep learning to solve quantitative susceptibility mapping and quantitative blood oxygen level dependent magnitude (QSM+qBOLD or QQ) based oxygen extraction fraction (OEF) mapping. *Magnetic Resonance in Medicine*, **2021**, 87, 1583	4.4	1
143	Optimal Management of Asymptomatic Carotid Stenosis in 2021: The Jury is Still Out. An International, Multispecialty, Expert Review and Position Statement. *Journal of Stroke and Cerebrovascular Diseases*, **2021**, 31, 106182	2.8	3
142	Carotid artery plaque characteristics: current reporting practices on CT angiography. *Neuroradiology*, **2021**, 63, 1013-1018	3.2	0
141	Population-based input function for TSPO quantification and kinetic modeling with [C]-DPA-713. *EJNMMI Physics*, **2021**, 8, 39	4.4	2
140	Advances in Multimodality Carotid Plaque Imaging: Expert Panel Narrative Review. *American Journal of Roentgenology*, **2021**, 217, 16-26	5.4	1
139	Extracranial Vascular Disease: Carotid Stenosis and Plaque Imaging. *Neuroimaging Clinics of North America*, **2021**, 31, 157-166	3	2
138	Management of Patients with Asymptomatic Carotid Stenosis May Need to Be Individualized: A Multidisciplinary Call for Action. *Journal of Stroke*, **2021**, 23, 202-212	5.6	5
137	Temporal clustering, tissue composition, and total variation for mapping oxygen extraction fraction using QSM and quantitative BOLD. *Magnetic Resonance in Medicine*, **2021**, 86, 2635-2646	4.4	2

136	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	4.4	6
135	Quantitative transport mapping (QTM) of the kidney with an approximate microvascular network. *Magnetic Resonance in Medicine*, **2021**, 85, 2247-2262	4.4	4
134	Ensembling Low Precision Models for Binary Biomedical Image Segmentation **2021**,		3
133	Diffusion-Weighted Imaging Lesions After Intracerebral Hemorrhage and Risk of Stroke: A MISTIE III and ATACH-2 Analysis. *Stroke*, **2021**, 52, 595-602	6.7	7
132	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. *International Angiology*, **2021**, 40, 487-496	2.2	2
131	Brain oxygen extraction fraction mapping in patients with multiple sclerosis. *Journal of Cerebral Blood Flow and Metabolism*, **2021**, 271678X211048031	7.3	1
130	Cerebral Microbleeds and Acute Hematoma Characteristics in the ATACH-2 and MISTIE III Trials.. *Neurology*, **2021**,	6.5	1
129	Origins of atrophy in Parkinson linked to early onset and local transcription patterns. *Brain Communications*, **2020**, 2, fcaa065	4.5	3
128	A special report on changing trends in preventive stroke/cardiovascular risk assessment via B-mode ultrasonography **2020**, 291-318		2
127	Morphological Carotid Plaque Area Is Associated With Glomerular Filtration Rate: A Study of South Asian Indian Patients With Diabetes and Chronic Kidney Disease. *Angiology*, **2020**, 71, 520-535	2.1	15
126	Quantitative susceptibility mapping of carotid plaques using nonlinear total field inversion: Initial experience in patients with significant carotid stenosis. *Magnetic Resonance in Medicine*, **2020**, 84, 1501-1509	4.4	3
125	Volumetric Landmark Detection with a Multi-Scale Shift Equivariant Neural Network **2020**,		4
124	Risk of Ischemic Stroke in Patients With Coronavirus Disease 2019 (COVID-19) vs Patients With Influenza. *JAMA Neurology*, **2020**,	17.2	312
123	Can Pay-for Performance Incentive Levels be Determined Using a Cost-Effectiveness Framework?. *Circulation: Cardiovascular Quality and Outcomes*, **2020**, 13, e006492	5.8	5
122	Risk of Ischemic Stroke in Patients with Covid-19 versus Patients with Influenza **2020**,		16
121	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. *Magnetic Resonance in Medicine*, **2020**, 83, 844-857	4.4	16
120	Quantitative Susceptibility Mapping: MRI at 7T versus 3T. *Journal of Neuroimaging*, **2020**, 30, 65-75	2.8	13
119	Reclassification of Ischemic Stroke Etiological Subtypes on the Basis of High-Risk Nonstenosing Carotid Plaque. *Stroke*, **2020**, 51, 504-510	6.7	24

118	Differences in Admission Blood Pressure Among Causes of Intracerebral Hemorrhage. *Stroke*, **2020**, 51, 644-647	6.7	4
117	Molecular Imaging of Striatal Dopaminergic Neuronal Loss and the Neurovascular Unit in Parkinson Disease. *Frontiers in Neuroscience*, **2020**, 14, 528809	5.1	3
116	Initial Experience of Challenge-Free MRI-Based Oxygen Extraction Fraction Mapping of Ischemic Stroke at Various Stages: Comparison With Perfusion and Diffusion Mapping. *Frontiers in Neuroscience*, **2020**, 14, 535441	5.1	8
115	A Pooled Analysis of Diffusion-Weighted Imaging Lesions in Patients With Acute Intracerebral Hemorrhage. *JAMA Neurology*, **2020**, 77, 1390-1397	17.2	18
114	Brain imaging biomarkers of carotid artery disease. *Annals of Translational Medicine*, **2020**, 8, 1277	3.2	4
113	Perivascular Fat Density and Contrast Plaque Enhancement: Does a Correlation Exist?. *American Journal of Neuroradiology*, **2020**, 41, 1460-1465	4.4	9
112	Machine Learning Prediction of Stroke Mechanism in Embolic Strokes of Undetermined Source. *Stroke*, **2020**, 51, e203-e210	6.7	13
111	Associations between the size and location of myocardial infarction and cerebral infarction. *Journal of the Neurological Sciences*, **2020**, 419, 117182	3.2	2
110	Brain Imaging of Patients with COVID-19: Findings at an Academic Institution during the Height of the Outbreak in New York City. *American Journal of Neuroradiology*, **2020**, 41, 2001-2008	4.4	42
109	Carotid Vessel Wall Imaging on CTA. *American Journal of Neuroradiology*, **2020**, 41, 380-386	4.4	16
108	Cost Effectiveness of Assessing Ultrasound Plaque Characteristics to Risk Stratify Asymptomatic Patients With Carotid Stenosis. *Journal of the American Heart Association*, **2019**, 8, e012739	6	2
107	A Special Report on Changing Trends in Preventive Stroke/Cardiovascular Risk Assessment Via B-Mode Ultrasonography. *Current Atherosclerosis Reports*, **2019**, 21, 25	6	26
106	Effect of carotid image-based phenotypes on cardiovascular risk calculator: AECRS1.0. *Medical and Biological Engineering and Computing*, **2019**, 57, 1553-1566	3.1	27
105	The present and future of deep learning in radiology. *European Journal of Radiology*, **2019**, 114, 14-24	4.7	143
104	Ranking of stroke and cardiovascular risk factors for an optimal risk calculator design: Logistic regression approach. *Computers in Biology and Medicine*, **2019**, 108, 182-195	7	22
103	Echocardiographic wall motion abnormalities in patients with stroke may warrant cardiac evaluation. *Journal of Neurology, Neurosurgery and Psychiatry*, **2019**, 90, 792-795	5.5	
102	Tailoring the Approach to Embolic Stroke of Undetermined Source: A Review. *JAMA Neurology*, **2019**, 76, 855-861	17.2	58
101	Clinical feasibility of brain quantitative susceptibility mapping. *Magnetic Resonance Imaging*, **2019**, 60, 44-51	3.3	7

100	: Deep Spatial-Temporal Image Restoration Net for Radiation Reduction in CT Perfusion. *Frontiers in Neurology*, **2019**, 10, 647	4.1	10
99	Carotid Plaque Positron Emission Tomography Imaging and Cerebral Ischemic Disease. *Stroke*, **2019**, 50, 2072-2079	6.7	10
98	A low-cost machine learning-based cardiovascular/stroke risk assessment system: integration of conventional factors with image phenotypes. *Cardiovascular Diagnosis and Therapy*, **2019**, 9, 420-430	2.6	35
97	Global perspective on carotid intima-media thickness and plaque: should the current measurement guidelines be revisited?. *International Angiology*, **2019**, 38, 451-465	2.2	29
96	Abstract 121: Machine Learning Prediction of Stroke Mechanism in Embolic Strokes of Undetermined Source. *Stroke*, **2019**, 50,	6.7	1
95	Causes of Acute Stroke: A Patterned Approach. *Radiologic Clinics of North America*, **2019**, 57, 1093-1108	2.3	19
94	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	2.2	13
93	Associations Between Features of Nonstenosing Carotid Plaque on Computed Tomographic Angiography and Ischemic Stroke Subtypes. *Journal of the American Heart Association*, **2019**, 8, e014818	6	8
92	Clinical Integration of Quantitative Susceptibility Mapping Magnetic Resonance Imaging into Neurosurgical Practice. *World Neurosurgery*, **2019**, 122, e10-e19	2.1	6
91	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. *Echocardiography*, **2019**, 36, 345-361	1.5	28
90	Performance evaluation of 10-year ultrasound image-based stroke/cardiovascular (CV) risk calculator by comparing against ten conventional CV risk calculators: A diabetic study. *Computers in Biology and Medicine*, **2019**, 105, 125-143	7	29
89	Cerebral metabolic rate of oxygen (CMRO) mapping by combining quantitative susceptibility mapping (QSM) and quantitative blood oxygenation level-dependent imaging (qBOLD). *Magnetic Resonance in Medicine*, **2018**, 80, 1595-1604	4.4	31
88	Diagnostic accuracy of semiautomatic lesion detection plus quantitative susceptibility mapping in the identification of new and enhancing multiple sclerosis lesions. *NeuroImage: Clinical*, **2018**, 18, 143-148	5.3	11
87	Left Atrial Appendage Morphology and Embolic Stroke of Undetermined Source: A Cross-Sectional Multicenter Pilot Study. *Journal of Stroke and Cerebrovascular Diseases*, **2018**, 27, 1497-1501	2.8	16
86	Relationship Between Visceral Infarction and Ischemic Stroke Subtype. *Stroke*, **2018**, 49, 727-729	6.7	8
85	Potential role of lipoic acid as a chelator in prevention and treatment of gadolinium brain retention. *Medical Hypotheses*, **2018**, 114, 29	3.8	1
84	Fast and Robust Unsupervised Identification of MS Lesion Change Using the Statistical Detection of Changes Algorithm. *American Journal of Neuroradiology*, **2018**, 39, 830-833	4.4	2
83	Magnetic susceptibility increases as diamagnetic molecules breakdown: Myelin digestion during multiple sclerosis lesion formation contributes to increase on QSM. *Journal of Magnetic Resonance Imaging*, **2018**, 48, 1281-1287	5.6	17

82	Quantitative susceptibility mapping-based cerebral metabolic rate of oxygen mapping with minimum local variance. *Magnetic Resonance in Medicine*, **2018**, 79, 172-179	4.4	22
81	The imaging spectrum of posterior reversible encephalopathy syndrome: A pictorial review. *Clinical Imaging*, **2018**, 47, 80-89	2.7	33
80	Magnetic resonance spectroscopy abnormalities in traumatic brain injury: A meta-analysis. *Journal of Neuroradiology*, **2018**, 45, 123-129	3.1	14
79	Morphologic TPA (mTPA) and composite risk score for moderate carotid atherosclerotic plaque is strongly associated with HbA1c in diabetes cohort. *Computers in Biology and Medicine*, **2018**, 101, 128-145	7	24
78	Echolucency-based phenotype in carotid atherosclerosis disease for risk stratification of diabetes patients. *Diabetes Research and Clinical Practice*, **2018**, 143, 322-331	7.4	22
77	Angiographic Blush after Mechanical Thrombectomy is Associated with Hemorrhagic Transformation of Ischemic Stroke. *Journal of Stroke and Cerebrovascular Diseases*, **2018**, 27, 3124-3130	2.8	8
76	High-resolution QSM for functional and structural depiction of subthalamic nuclei in DBS presurgical mapping. *Journal of Neurosurgery*, **2018**, 131, 360-367	3.2	15
75	Troponin Improves the Yield of Transthoracic Echocardiography in Ischemic Stroke Patients of Determined Stroke Subtype. *Stroke*, **2018**, 49, 2777-2779	6.7	8
74	Blood-Brain Barrier Permeability in Aneurysmal Subarachnoid Hemorrhage: Correlation With Clinical Outcomes. *American Journal of Roentgenology*, **2018**, 211, 891-895	5.4	15
73	Cerebral metabolic rate of oxygen (CMRO) mapping with hyperventilation challenge using quantitative susceptibility mapping (QSM). *Magnetic Resonance in Medicine*, **2017**, 77, 1762-1773	4.4	33
72	Automated segmental-IMT measurement in thin/thick plaque with bulb presence in carotid ultrasound from multiple scanners: Stroke risk assessment. *Computer Methods and Programs in Biomedicine*, **2017**, 141, 73-81	6.9	26
71	TENDER: Tensor non-local deconvolution enabled radiation reduction in CT perfusion. *Neurocomputing*, **2017**, 229, 13-22	5.4	4
70	Restarting Anticoagulant Therapy After Intracranial Hemorrhage: A Systematic Review and Meta-Analysis. *Stroke*, **2017**, 48, 1594-1600	6.7	124
69	Plaque Tissue Morphology-Based Stroke Risk Stratification Using Carotid Ultrasound: A Polling-Based PCA Learning Paradigm. *Journal of Medical Systems*, **2017**, 41, 98	5.1	44
68	The clinical utility of QSM: disease diagnosis, medical management, and surgical planning. *NMR in Biomedicine*, **2017**, 30, e3668	4.4	44
67	Cryptogenic Stroke and Nonstenosing Intracranial Calcified Atherosclerosis. *Journal of Stroke and Cerebrovascular Diseases*, **2017**, 26, 863-870	2.8	15
66	Stroke Risk Stratification and its Validation using Ultrasonic Echolucent Carotid Wall Plaque Morphology: A Machine Learning Paradigm. *Computers in Biology and Medicine*, **2017**, 80, 77-96	7	42
65	The Use of Noncontrast Quantitative MRI to Detect Gadolinium-Enhancing Multiple Sclerosis Brain Lesions: A Systematic Review and Meta-Analysis. *American Journal of Neuroradiology*, **2017**, 38, 1317-1322	4.4	23

64	Clinical quantitative susceptibility mapping (QSM): Biometal imaging and its emerging roles in patient care. *Journal of Magnetic Resonance Imaging*, **2017**, 46, 951-971	5.6	128
63	Quantifying Intracranial Internal Carotid Artery Stenosis on MR Angiography. *American Journal of Neuroradiology*, **2017**, 38, 986-990	4.4	17
62	Imaging characteristics associated with clinical outcomes in posterior reversible encephalopathy syndrome. *Neuroradiology*, **2017**, 59, 379-386	3.2	49
61	The Association between Carotid Artery Atherosclerosis and Silent Brain Infarction: A Systematic Review and Meta-analysis. *Journal of Stroke and Cerebrovascular Diseases*, **2017**, 26, 1594-1601	2.8	23
60	Timing of Carotid Revascularization Procedures After Ischemic Stroke. *Stroke*, **2017**, 48, 225-228	6.7	19
59	Accurate lumen diameter measurement in curved vessels in carotid ultrasound: an iterative scale-space and spatial transformation approach. *Medical and Biological Engineering and Computing*, **2017**, 55, 1415-1434	3.1	19
58	Association between Carotid Plaque Features on CTA and Cerebrovascular Ischemia: A Systematic Review and Meta-Analysis. *American Journal of Neuroradiology*, **2017**, 38, 2321-2326	4.4	36
57	Embolic stroke of undetermined source: The role of the nonstenotic carotid plaque. *Journal of the Neurological Sciences*, **2017**, 382, 49-52	3.2	22
56	Extracranial internal carotid artery calcium volume measurement using computer tomography. *International Angiology*, **2017**, 36, 445-461	2.2	12
55	Corticosteroid therapy and severity of vasogenic edema in posterior reversible encephalopathy syndrome. *Journal of the Neurological Sciences*, **2017**, 380, 11-15	3.2	29
54	Association between Intracranial Atherosclerotic Calcium Burden and Angiographic Luminal Stenosis Measurements. *American Journal of Neuroradiology*, **2017**, 38, 1723-1729	4.4	8
53	Response by Murthy et al to Letter Regarding Article, "Restarting Anticoagulant Therapy After Intracranial Hemorrhage: A Systematic Review and Meta-Analysis". *Stroke*, **2017**, 48, e267	6.7	2
52	Web-based accurate measurements of carotid lumen diameter and stenosis severity: An ultrasound-based clinical tool for stroke risk assessment during multicenter clinical trials. *Computers in Biology and Medicine*, **2017**, 91, 306-317	7	24
51	The Role of Imaging in Clinical Stroke Scales That Predict Functional Outcome: A Systematic Review. *Neurohospitalist, The*, **2017**, 7, 169-178	1.1	5
50	Neutrophil-Lymphocyte Ratio and Perihematomal Edema Growth in Intracerebral Hemorrhage. *Stroke*, **2017**, 48, 2589-2592	6.7	41
49	On the influence of zero-padding on the nonlinear operations in Quantitative Susceptibility Mapping. *Magnetic Resonance Imaging*, **2017**, 35, 154-159	3.3	6
48	WALL SHEAR STRESS AND OSCILLATORY SHEAR INDEX DISTRIBUTION IN CAROTID ARTERY WITH VARYING DEGREE OF STENOSIS: A HEMODYNAMIC STUDY. *Journal of Mechanics in Medicine and Biology*, **2017**, 17, 1750037	0.7	7
47	MR perfusion-weighted imaging in the evaluation of high-grade gliomas after treatment: a systematic review and meta-analysis. *Neuro-Oncology*, **2017**, 19, 118-127	1	127

46	Improving imaging to optimize screening strategies for carotid artery stenosis. *Clinical Imaging*, **2016**, 40, 276-8	2.7	2
45	A Review on Atherosclerotic Biology, Wall Stiffness, Physics of Elasticity, and Its Ultrasound-Based Measurement. *Current Atherosclerosis Reports*, **2016**, 18, 83	6	25
44	Gadolinium Enhancement in Intracranial Atherosclerotic Plaque and Ischemic Stroke: A Systematic Review and Meta-Analysis. *Journal of the American Heart Association*, **2016**, 5,	6	43
43	Direct estimation of permeability maps for low-dose CT perfusion **2016**,		1
42	Application of Blood-Brain Barrier Permeability Imaging in Global Cerebral Edema. *American Journal of Neuroradiology*, **2016**, 37, 1599-603	4.4	16
41	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. *American Journal of Neuroradiology*, **2016**, 37, 1629-35	4.4	41
40	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. *Computers in Biology and Medicine*, **2016**, 75, 217-34	7	31
39	Two Automated Techniques for Carotid Lumen Diameter Measurement: Regional versus Boundary Approaches. *Journal of Medical Systems*, **2016**, 40, 182	5.1	16
38	White Matter Diffusion Abnormalities in Carotid Artery Disease: A Systematic Review and Meta-Analysis. *Journal of Neuroimaging*, **2016**, 26, 481-8	2.8	15
37	Association Between Nonstenosing Carotid Artery Plaque on MR Angiography and Acute Ischemic Stroke. *JACC: Cardiovascular Imaging*, **2016**, 9, 1228-1229	8.4	34
36	Carotid Web: Appearance at MR Angiography. *American Journal of Neuroradiology*, **2016**, 37, E5-6	4.4	16
35	Silent Brain Infarction and Risk of Future Stroke: A Systematic Review and Meta-Analysis. *Stroke*, **2016**, 47, 719-25	6.7	107
34	Protrusion of the Infraorbital Nerve into the Maxillary Sinus on CT: Prevalence, Proposed Grading Method, and Suggested Clinical Implications. *American Journal of Neuroradiology*, **2016**, 37, 349-53	4.4	14
33	Ultrasound-Based Automated Carotid Lumen Diameter/Stenosis Measurement and its Validation System. *Journal for Vascular Ultrasound*, **2016**, 40, 120-134	0.1	7
32	Longitudinal change in magnetic susceptibility of new enhanced multiple sclerosis (MS) lesions measured on serial quantitative susceptibility mapping (QSM). *Journal of Magnetic Resonance Imaging*, **2016**, 44, 426-32	5.6	51
31	Carotid inter-adventitial diameter is more strongly related to plaque score than lumen diameter: An automated tool for stroke analysis. *Journal of Clinical Ultrasound*, **2016**, 44, 210-20	1	21
30	Magnetic Susceptibility from Quantitative Susceptibility Mapping Can Differentiate New Enhancing from Nonenhancing Multiple Sclerosis Lesions without Gadolinium Injection. *American Journal of Neuroradiology*, **2016**, 37, 1794-1799	4.4	28
29	Silent Brain Infarction in Patients With Asymptomatic Carotid Artery Atherosclerotic Disease. *Stroke*, **2016**, 47, 1368-70	6.7	26

28	Detection of Symptomatic Carotid Plaque Using Source Data from MR and CT Angiography: A Correlative Study. *Cerebrovascular Diseases*, **2015**, 39, 151-61	3.2	24
27	A Review on Carotid Ultrasound Atherosclerotic Tissue Characterization and Stroke Risk Stratification in Machine Learning Framework. *Current Atherosclerosis Reports*, **2015**, 17, 55	6	30
26	Cost-Effectiveness of Carotid Plaque MR Imaging as a Stroke Risk Stratification Tool in Asymptomatic Carotid Artery Stenosis. *Radiology*, **2015**, 277, 763-72	20.5	17
25	Multimodal Diagnostic Imaging for Hyperacute Stroke. *American Journal of Neuroradiology*, **2015**, 36, 2206-13	4.4	9
24	Plaque echolucency and stroke risk in asymptomatic carotid stenosis: a systematic review and meta-analysis. *Stroke*, **2015**, 46, 91-7	6.7	127
23	Imaging evaluation of the suprahyoid neck. *Radiologic Clinics of North America*, **2015**, 53, 133-44	2.3	16
22	The Reversal Sign: An Ominous Imaging Finding. *Neurohospitalist, The*, **2015**, 5, 251-2	1.1	1
21	Quantitative mapping of cerebral metabolic rate of oxygen (CMRO2) using quantitative susceptibility mapping (QSM). *Magnetic Resonance in Medicine*, **2015**, 74, 945-52	4.4	92
20	Magnetic resonance angiography detection of abnormal carotid artery plaque in patients with cryptogenic stroke. *Journal of the American Heart Association*, **2015**, 4, e002012	6	63
19	Multiple sclerosis lesion geometry in quantitative susceptibility mapping (QSM) and phase imaging. *Journal of Magnetic Resonance Imaging*, **2015**, 42, 224-9	5.6	38
18	Improved correlation between carotid and coronary atherosclerosis SYNTAX score using automated ultrasound carotid bulb plaque IMT measurement. *Ultrasound in Medicine and Biology*, **2015**, 41, 1247-62	3.5	56
17	Moving beyond luminal stenosis: imaging strategies for stroke prevention in asymptomatic carotid stenosis. *Cerebrovascular Diseases*, **2015**, 39, 253-61	3.2	21
16	Carotid artery stenosis: cost-effectiveness of assessment of cerebrovascular reserve to guide treatment of asymptomatic patients. *Radiology*, **2015**, 274, 455-63	20.5	11
15	A comparative approach of four different image registration techniques for quantitative assessment of coronary artery calcium lesions using intravascular ultrasound. *Computer Methods and Programs in Biomedicine*, **2015**, 118, 158-72	6.9	38
14	Quantitative susceptibility mapping of multiple sclerosis lesions at various ages. *Radiology*, **2014**, 271, 183-92	20.5	164
13	Orbital soft-tissue trauma. *Neuroimaging Clinics of North America*, **2014**, 24, 425-37, vii	3	8
12	Amyloid ÐRelated Central Nervous System Angiitis Presenting With an Isolated Seizure. *Neurohospitalist, The*, **2014**, 4, 86-9	1.1	5
11	Sellar collision tumor involving metastatic lung cancer and pituitary adenoma: radiologic-pathologic correlation and review of the literature. *Clinical Imaging*, **2014**, 38, 318-21	2.7	15

10	Glioblastoma-arteriovenous fistula complex: imaging characteristics and treatment considerations. *Clinical Imaging*, **2014**, 38, 187-90	2.7	4
9	Evaluation of computed tomography angiography plaque thickness measurements in high-grade carotid artery stenosis. *Stroke*, **2014**, 45, 740-5	6.7	36
8	American neuroborreliosis presenting as cranial polyneuritis and radiculoneuritis. *Neurology: Neuroimmunology and NeuroInflammation*, **2014**, 1, e30	9.1	2
7	Endovascular therapy for acute stroke in patients with cancer. *Neurohospitalist, The*, **2014**, 4, 133-5	1.1	16
6	Carotid plaque MRI and stroke risk: a systematic review and meta-analysis. *Stroke*, **2013**, 44, 3071-7	6.7	331
5	Variability in the position of the retropharyngeal internal carotid artery. *Laryngoscope*, **2013**, 123, 401-3	3.6	15
4	Imaging evaluation of the parapharyngeal space. *Otolaryngologic Clinics of North America*, **2012**, 45, 1223-32	2	20
3	Continuing the search for MR imaging biomarkers for MGMT promoter methylation status: conventional and perfusion MRI revisited. *Neuroradiology*, **2012**, 54, 641-3	3.2	16
2	Cerebrovascular reserve and stroke risk in patients with carotid stenosis or occlusion: a systematic review and meta-analysis. *Stroke*, **2012**, 43, 2884-91	6.7	212
1	Neuroimaging of cerebrovascular disease in the aging brain **2012**, 3, 414-25		13