

David F Kallmes

List of Publications by Citations

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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.

217 papers	7,876 citations	38 h-index	85 g-index
239 ext. papers	9,755 ext. citations	6.5 avg, IF	6.1 L-index

#	Paper	IF	Citations
217	A randomized trial of vertebroplasty for osteoporotic spinal fractures. <i>New England Journal of Medicine</i> , 2009 , 361, 569-79	59.2	1034
216	Intracranial Gadolinium Deposition after Contrast-enhanced MR Imaging. <i>Radiology</i> , 2015 , 275, 772-82	20.5	917
215	Pipeline for uncoilable or failed aneurysms: results from a multicenter clinical trial. <i>Radiology</i> , 2013 , 267, 858-68	20.5	760
214	A new endoluminal, flow-disrupting device for treatment of saccular aneurysms. <i>Stroke</i> , 2007 , 38, 2346-52	12.7	364
213	MRI Findings of Disc Degeneration are More Prevalent in Adults with Low Back Pain than in Asymptomatic Controls: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2015 , 36, 2394-9	4.4	219
212	Gadolinium Deposition in Human Brain Tissues after Contrast-enhanced MR Imaging in Adult Patients without Intracranial Abnormalities. <i>Radiology</i> , 2017 , 285, 546-554	20.5	185
211	Patency of the ophthalmic artery after flow diversion treatment of paraclinoid aneurysms. <i>Journal of Neurosurgery</i> , 2012 , 116, 892-6	3.2	159
210	Correlation of imaging and histopathology of thrombi in acute ischemic stroke with etiology and outcome: a systematic review. <i>Journal of NeuroInterventional Surgery</i> , 2017 , 9, 529-534	7.8	150
209	Cellular mechanisms of aneurysm occlusion after treatment with a flow diverter. <i>Radiology</i> , 2014 , 270, 394-9	20.5	136
208	The effects of changes in utilization and technological advancements of cross-sectional imaging on radiologist workload. <i>Academic Radiology</i> , 2015 , 22, 1191-8	4.3	132
207	Safety and efficacy of the Pipeline embolization device for treatment of intracranial aneurysms: a pooled analysis of 3 large studies. <i>Journal of Neurosurgery</i> , 2017 , 127, 775-780	3.2	122
206	Aneurysm Study of Pipeline in an Observational Registry (ASPIRe). <i>Interventional Neurology</i> , 2016 , 5, 89-99	3	122
205	Risk Factors for Growth of Intracranial Aneurysms: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2016 , 37, 615-20	4.4	116
204	Impact of balloon guide catheter on technical and clinical outcomes: a systematic review and meta-analysis. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 335-339	7.8	114
203	Comparison of Gadolinium Concentrations within Multiple Rat Organs after Intravenous Administration of Linear versus Macrocyclic Gadolinium Chelates. <i>Radiology</i> , 2017 , 285, 536-545	20.5	109
202	Analyses of thrombi in acute ischemic stroke: A consensus statement on current knowledge and future directions. <i>International Journal of Stroke</i> , 2017 , 12, 606-614	6.3	101
201	Delayed hemorrhagic complications after flow diversion for intracranial aneurysms: a literature overview. <i>Neuroradiology</i> , 2016 , 58, 171-7	3.2	101

200	Anesthesia-Related Outcomes for Endovascular Stroke Revascularization: A Systematic Review and Meta-Analysis. <i>Stroke</i> , 2017 , 48, 2784-2791	6.7	96
199	Endovascular Treatment of Ruptured Blister-Like Aneurysms: A Systematic Review and Meta-Analysis with Focus on Deconstructive versus Reconstructive and Flow-Diverter Treatments. <i>American Journal of Neuroradiology</i> , 2015 , 36, 2331-9	4.4	84
198	Efficacy and Safety of the Woven EndoBridge (WEB) Device for the Treatment of Intracranial Aneurysms: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2016 , 37, 2287-2292	4.4	82
197	Prospective study on embolization of intracranial aneurysms with the pipeline device: the PREMIER study 1 year results. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 62-66	7.8	80
196	Clinical worsening in reversible cerebral vasoconstriction syndrome. <i>JAMA Neurology</i> , 2014 , 71, 68-73	17.2	71
195	Risk Factors for Ischemic Complications following Pipeline Embolization Device Treatment of Intracranial Aneurysms: Results from the IntrePED Study. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1673-8	4.4	64
194	Patency of the posterior communicating artery after flow diversion treatment of internal carotid artery aneurysms. <i>Clinical Neurology and Neurosurgery</i> , 2014 , 120, 84-8	2	62
193	Risk of Acute Kidney Injury, Dialysis, and Mortality in Patients With Chronic Kidney Disease After Intravenous Contrast Material Exposure. <i>Mayo Clinic Proceedings</i> , 2015 , 90, 1046-53	6.4	57
192	Intracranial Gadolinium Deposition Following Gadodiamide-Enhanced Magnetic Resonance Imaging in Pediatric Patients: A Case-Control Study. <i>JAMA Pediatrics</i> , 2017 , 171, 705-707	8.3	55
191	Neurons Over Nephrons: Systematic Review and Meta-Analysis of Contrast-Induced Nephropathy in Patients With Acute Stroke. <i>Stroke</i> , 2017 , 48, 1862-1868	6.7	54
190	Conscious sedation versus general anaesthesia during mechanical thrombectomy for stroke: a propensity score analysis. <i>Journal of NeuroInterventional Surgery</i> , 2015 , 7, 789-94	7.8	54
189	Endovascular Coiling of Wide-Neck and Wide-Neck Bifurcation Aneurysms: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1700-5	4.4	54
188	Risk Factors for Hemorrhagic Complications following Pipeline Embolization Device Treatment of Intracranial Aneurysms: Results from the International Retrospective Study of the Pipeline Embolization Device. <i>American Journal of Neuroradiology</i> , 2015 , 36, 2308-13	4.4	53
187	Hemodynamics during anesthesia for intra-arterial therapy of acute ischemic stroke. <i>Journal of NeuroInterventional Surgery</i> , 2016 , 8, 883-8	7.8	53
186	Prevalence of Intracranial Aneurysms in Patients with Connective Tissue Diseases: A Retrospective Study. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1422-6	4.4	48
185	A collagen-based coil for embolization of saccular aneurysms in a New Zealand White rabbit model. <i>American Journal of Neuroradiology</i> , 2003 , 24, 591-6	4.4	48
184	Wall Apposition Is a Key Factor for Aneurysm Occlusion after Flow Diversion: A Histologic Evaluation in 41 Rabbits. <i>American Journal of Neuroradiology</i> , 2016 , 37, 2087-2091	4.4	48
183	Neurovascular manifestations of connective-tissue diseases: A review. <i>Interventional Neuroradiology</i> , 2016 , 22, 624-637	1.9	42

182	Pipeline Embolization Device with or without Adjunctive Coil Embolization: Analysis of Complications from the IntrePED Registry. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1127-31	4.4	41
181	Accumulation of Gadolinium in Human Cerebrospinal Fluid after Gadobutrol-enhanced MR Imaging: A Prospective Observational Cohort Study. <i>Radiology</i> , 2018 , 288, 416-423	20.5	41
180	Current Trends and Results of Endovascular Treatment of Unruptured Intracranial Aneurysms at a Single Institution in the Flow-Diverter Era. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1106-13	4.4	39
179	Clot permeability and histopathology: is a clot's perviousness on CT imaging correlated with its histologic composition?. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 38-42	7.8	37
178	Associations of hemodynamics, morphology, and patient characteristics with aneurysm rupture stratified by aneurysm location. <i>Neuroradiology</i> , 2019 , 61, 275-284	3.2	36
177	Is Intravenous Administration of Iodixanol Associated with Increased Risk of Acute Kidney Injury, Dialysis, or Mortality? A Propensity Score-adjusted Study. <i>Radiology</i> , 2017 , 285, 414-424	20.5	34
176	Platelet-Rich Emboli in Cerebral Large Vessel Occlusion Are Associated With a Large Artery Atherosclerosis Source. <i>Stroke</i> , 2019 , 50, 1907-1910	6.7	33
175	Flow Diversion for Ophthalmic Artery Aneurysms. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1866-1869	4.4	32
174	Prevalence of Intracranial Aneurysms in Patients with Aortic Aneurysms. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1664-8	4.4	32
173	Platelet-rich clots as identified by Martius Scarlet Blue staining are isodense on NCCT. <i>Journal of NeuroInterventional Surgery</i> , 2019 , 11, 1145-1149	7.8	31
172	Silent ischemic events after Pipeline embolization device: a prospective evaluation with MR diffusion-weighted imaging. <i>Journal of NeuroInterventional Surgery</i> , 2016 , 8, 1136-1139	7.8	31
171	Outcomes of Stent Retriever versus Aspiration-First Thrombectomy in Ischemic Stroke: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2018 , 39, 2070-2076	4.4	31
170	Outcomes of vertebroplasty compared with kyphoplasty: a systematic review and meta-analysis. <i>Journal of NeuroInterventional Surgery</i> , 2016 , 8, 636-42	7.8	30
169	Periprocedural and mid-term technical and clinical events after flow diversion for intracranial aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2015 , 7, 646-51	7.8	30
168	Imaging Characteristics of Growing and Ruptured Vertebrobasilar Non-Saccular and Dolichoectatic Aneurysms. <i>Stroke</i> , 2016 , 47, 106-12	6.7	30
167	Hemodynamic differences between unstable and stable unruptured aneurysms independent of size and location: a pilot study. <i>Journal of NeuroInterventional Surgery</i> , 2017 , 9, 376-380	7.8	29
166	Dentate Update: Imaging Features of Entities That Affect the Dentate Nucleus. <i>American Journal of Neuroradiology</i> , 2017 , 38, 1467-1474	4.4	29
165	Diffusion-Weighted Imaging-Detected Ischemic Lesions following Endovascular Treatment of Cerebral Aneurysms: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2017 , 38, 304-309	4.4	28

164	Orbit image analysis machine learning software can be used for the histological quantification of acute ischemic stroke blood clots. <i>PLoS ONE</i> , 2019 , 14, e0225841	3.7	28
163	Lumbar Imaging With Reporting Of Epidemiology (LIRE)--Protocol for a pragmatic cluster randomized trial. <i>Contemporary Clinical Trials</i> , 2015 , 45, 157-163	2.3	27
162	COVID-19 Imaging: What We Know Now and What Remains Unknown. <i>Radiology</i> , 2021 , 299, E262-E279	20.5	27
161	Endovascular coiling versus parent artery occlusion for treatment of cavernous carotid aneurysms: a meta-analysis. <i>Journal of NeuroInterventional Surgery</i> , 2015 , 7, 250-5	7.8	26
160	Morbidity and Mortality in Patients With Posterior Circulation Aneurysms Treated With the Pipeline Embolization Device: A Subgroup Analysis of the International Retrospective Study of the Pipeline Embolization Device. <i>Neurosurgery</i> , 2018 , 83, 488-500	3.2	26
159	Acute Adverse Events Following Gadolinium-based Contrast Agent Administration: A Single-Center Retrospective Study of 281 945 Injections. <i>Radiology</i> , 2019 , 292, 620-627	20.5	26
158	Acute branch occlusion after Pipeline embolization of intracranial aneurysms. <i>Journal of Clinical Neuroscience</i> , 2014 , 21, 668-72	2.2	26
157	The effects of statin therapy on carotid plaque composition and volume: A systematic review and meta-analysis. <i>Journal of Neuroradiology</i> , 2017 , 44, 234-240	3.1	24
156	From bench to bedside: utility of the rabbit elastase aneurysm model in preclinical studies of intracranial aneurysm treatment. <i>Journal of NeuroInterventional Surgery</i> , 2016 , 8, 521-5	7.8	24
155	Comparative effectiveness of carotid revascularization therapies: evidence from a National Hospital Discharge Database. <i>Stroke</i> , 2014 , 45, 3311-9	6.7	24
154	Mechanism of Action and Biology of Flow Diverters in the Treatment of Intracranial Aneurysms. <i>Neurosurgery</i> , 2020 , 86, S13-S19	3.2	24
153	In vivo comparison of shape memory polymer foam-coated and bare metal coils for aneurysm occlusion in the rabbit elastase model. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2019 , 107, 2466-2475	3.5	21
152	Nonaneurysmal Perimesencephalic Hemorrhage Is Associated with Deep Cerebral Venous Drainage Anomalies: A Systematic Literature Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1657-63	4.4	21
151	Comparing magnetic resonance angiography (MRA) and computed tomography angiography (CTA) with conventional angiography in the detection of distal territory cerebral mycotic and oncotic aneurysms. <i>Interventional Neuroradiology</i> , 2016 , 22, 524-8	1.9	21
150	Hemodynamic analysis of fast and slow aneurysm occlusions by flow diversion in rabbits. <i>Journal of NeuroInterventional Surgery</i> , 2015 , 7, 931-5	7.8	20
149	The use of hydrocoil for parent artery occlusion. <i>American Journal of Neuroradiology</i> , 2004 , 25, 1409-10	4.4	20
148	Using Natural Language Processing of Free-Text Radiology Reports to Identify Type 1 Modic Endplate Changes. <i>Journal of Digital Imaging</i> , 2018 , 31, 84-90	5.3	20
147	Identification of Hostile Hemodynamics and Geometries of Cerebral Aneurysms: A Case-Control Study. <i>American Journal of Neuroradiology</i> , 2018 , 39, 1860-1866	4.4	20

146	Predictors and Outcomes of Postcontrast Acute Kidney Injury after Endovascular Renal Artery Intervention. <i>Journal of Vascular and Interventional Radiology</i> , 2017 , 28, 1687-1692	2.4	19
145	Interobserver variability of aneurysm morphology: discrimination of the daughter sac. <i>Journal of NeuroInterventional Surgery</i> , 2016 , 8, 38-41	7.8	19
144	Sham surgical procedures for pain intervention result in significant improvements in pain: systematic review and meta-analysis. <i>Journal of Clinical Epidemiology</i> , 2017 , 83, 18-23	5.7	18
143	Corticosteroid-Induced Paraplegia: A Diagnostic Clue for Spinal Dural Arterial Venous Fistula. <i>JAMA Neurology</i> , 2015 , 72, 833-4	17.2	18
142	Natural Language Processing for the Identification of Silent Brain Infarcts From Neuroimaging Reports. <i>JMIR Medical Informatics</i> , 2019 , 7, e12109	3.6	18
141	Correlation of imaging and histopathology of thrombi in acute ischemic stroke with etiology and outcome. <i>Journal of Neurosurgical Sciences</i> , 2019 , 63, 292-300	1.3	18
140	Correlation between clot density and recanalization success or stroke etiology in acute ischemic stroke patients. <i>Interventional Neuroradiology</i> , 2017 , 23, 274-278	1.9	16
139	Association of h-index of Editorial Board Members and Impact Factor among Radiology Journals. <i>Academic Radiology</i> , 2017 , 24, 119-123	4.3	16
138	Per-pass analysis of acute ischemic stroke clots: impact of stroke etiology on extracted clot area and histological composition. <i>Journal of NeuroInterventional Surgery</i> , 2021 , 13, 1111-1116	7.8	16
137	Clinical utility of vertebroplasty: elevating the evidence. <i>Radiology</i> , 2010 , 255, 675-80	20.5	16
136	Platelet-rich emboli are associated with von Willebrand factor levels and have poorer revascularization outcomes. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 557-562	7.8	16
135	Safety and efficacy of endovascular treatment for intracranial infectious aneurysms: A systematic review and meta-analysis. <i>Journal of Neuroradiology</i> , 2016 , 43, 309-16	3.1	16
134	Systematic review and meta-analysis of current rates of first pass effect by thrombectomy technique and associations with clinical outcomes. <i>Journal of NeuroInterventional Surgery</i> , 2021 , 13, 212-216	7.8	16
133	Utility of single-energy and dual-energy computed tomography in clot characterization: An in-vitro study. <i>Interventional Neuroradiology</i> , 2017 , 23, 279-284	1.9	15
132	Effect of CREST Findings on Carotid Revascularization Practice in the United States. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015 , 24, 1390-6	2.8	15
131	Factors associated with proximal femur fracture determined in a large cadaveric cohort. <i>Bone</i> , 2018 , 116, 196-202	4.7	15
130	Trends in CT Utilization for Pediatric Fall Patients in US Emergency Departments. <i>Academic Radiology</i> , 2015 , 22, 898-903	4.3	15
129	The Effect of Including Benchmark Prevalence Data of Common Imaging Findings in Spine Image Reports on Health Care Utilization Among Adults Undergoing Spine Imaging: A Stepped-Wedge Randomized Clinical Trial. <i>JAMA Network Open</i> , 2020 , 3, e2015713	10.4	15

128	Evaluation of Enterprise Stent-Assisted Coiling and Telescoping Stent Technique as Treatment of Supraclinoid Blister Aneurysms of the Internal Carotid Artery. <i>World Neurosurgery</i> , 2018 , 110, e890-e896 ^{2.1}	14
127	Is the Presence of a Solitary Kidney an Independent Risk Factor for Acute Kidney Injury after Contrast-enhanced CT?. <i>Radiology</i> , 2016 , 278, 74-81	20.5 14
126	Evaluation of the Angiographic Grading Scale in Aneurysms Treated with the WEB Device in 80 Rabbits: Correlation with Histologic Evaluation. <i>American Journal of Neuroradiology</i> , 2016 , 37, 324-9	4.4 14
125	Postcontrast Acute Kidney Injury in Pediatric Patients: A Cohort Study. <i>American Journal of Kidney Diseases</i> , 2018 , 72, 811-818	7.4 14
124	Antiplatelet Management for Stent-Assisted Coiling and Flow Diversion of Ruptured Intracranial Aneurysms: A DELPHI Consensus Statement. <i>American Journal of Neuroradiology</i> , 2020 , 41, 1856-1862	4.4 14
123	The association between carotid intraplaque hemorrhage and outcomes of carotid stenting: a systematic review and meta-analysis. <i>Journal of NeuroInterventional Surgery</i> , 2017 , 9, 837-842	7.8 13
122	Carotid revascularization treatment is shifting to low volume centers. <i>Journal of NeuroInterventional Surgery</i> , 2015 , 7, 336-40	7.8 13
121	Increased Prevalence of Cerebrovascular Disease in Hospitalized Patients with Marfan Syndrome. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2018 , 27, 296-300	2.8 13
120	Gender and Radiology Publication Productivity: An Examination of Academic Faculty From Four Health Systems in the United States. <i>Journal of the American College of Radiology</i> , 2017 , 14, 1100-1108	3.5 13
119	Angioarchitectures and Hemodynamic Characteristics of Posterior Communicating Artery Aneurysms and Their Association with Rupture Status. <i>American Journal of Neuroradiology</i> , 2017 , 38, 2111-2118	4.4 13
118	Rabbit aneurysm models mimic histologic wall types identified in human intracranial aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 411-415	7.8 13
117	Clinical and Imaging Characteristics of Diffuse Intracranial Dolichoectasia. <i>American Journal of Neuroradiology</i> , 2017 , 38, 915-922	4.4 12
116	Cerebral aneurysm blood flow simulations are sensitive to basic solver settings. <i>Journal of Biomechanics</i> , 2017 , 57, 46-53	2.9 12
115	Nationwide price variability for an elective, outpatient imaging procedure. <i>Journal of the American College of Radiology</i> , 2015 , 12, 444-52	3.5 12
114	Leukoaraiosis and collateral blood flow in stroke patients with anterior circulation large vessel occlusion. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 942-945	7.8 12
113	Randomized vertebroplasty trials: Current status and challenges. <i>Academic Radiology</i> , 2006 , 13, 546-9	4.3 12
112	Memantine for the treatment of ischemic stroke: experimental benefits and clinical lack of studies. <i>Reviews in the Neurosciences</i> , 2019 , 30, 203-220	4.7 11
111	Institutional and provider variations for mechanical thrombectomy in the treatment of acute ischemic stroke: a survey analysis. <i>Journal of NeuroInterventional Surgery</i> , 2019 , 11, 884-890	7.8 11

110	GEL THE NEC: a prospective registry evaluating the safety, ease of use, and efficacy of the HydroSoft coil as a finishing device. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 83-87	7.8	10
109	Association Between Vitamin D Deficiency and Outcomes Following Spinal Fusion Surgery: A Systematic Review. <i>World Neurosurgery</i> , 2016 , 95, 71-76	2.1	10
108	Safety of Uninterrupted Warfarin Therapy in Patients Undergoing Cardiovascular Endovascular Procedures: A Systematic Review and Meta-Analysis. <i>Radiology</i> , 2016 , 278, 383-94	20.5	9
107	Item response theory analysis to evaluate reliability and minimal clinically important change of the Roland-Morris Disability Questionnaire in patients with severe disability due to back pain from vertebral compression fractures. <i>Spine Journal</i> , 2017 , 17, 821-829	4	9
106	Lack of Association between Statin Use and Angiographic and Clinical Outcomes after Pipeline Embolization for Intracranial Aneurysms. <i>American Journal of Neuroradiology</i> , 2017 , 38, 753-758	4.4	9
105	Per-region interobserver agreement of Alberta Stroke Program Early CT Scores (ASPECTS). <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 1069-1071	7.8	9
104	Increasing neuroradiology exam volumes on-call do not result in increased major discrepancies in primary reads performed by residents. <i>Open Neuroimaging Journal</i> , 2014 , 8, 11-5	0.1	9
103	Preclinical Testing of a Novel Thin Film Nitinol Flow-Diversion Stent in a Rabbit Elastase Aneurysm Model. <i>American Journal of Neuroradiology</i> , 2016 , 37, 497-501	4.4	9
102	Assessment of the impact of EHR heterogeneity for clinical research through a case study of silent brain infarction. <i>BMC Medical Informatics and Decision Making</i> , 2020 , 20, 60	3.6	9
101	Differential Interstrain Susceptibility to Vertebrobasilar Dolichoectasia in a Mouse Model. <i>American Journal of Neuroradiology</i> , 2017 , 38, 611-616	4.4	8
100	Equipoise in Clinical Trials: Angst and Progress. <i>Circulation Research</i> , 2016 , 119, 798-800	15.7	8
99	Smoking Does Not Affect Occlusion Rates and Morbidity-Mortality after Pipeline Embolization for Intracranial Aneurysms. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1122-6	4.4	8
98	Experimental testing of the dual-layer Woven EndoBridge device using an elastase-induced aneurysm model in rabbits. <i>Interventional Neuroradiology</i> , 2016 , 22, 299-303	1.9	8
97	Periprocedural safety of Pipeline therapy for unruptured cerebral aneurysms: Analysis of 279 Patients in a multihospital database. <i>Interventional Neuroradiology</i> , 2015 , 21, 6-10	1.9	8
96	Spinal augmentation research: FREE at last?. <i>Lancet, The</i> , 2009 , 373, 982-4	40	8
95	Nephrotoxicity of gadolinium-based contrast in the setting of renal artery intervention: retrospective analysis with 10-year follow-up. <i>Diagnostic and Interventional Radiology</i> , 2018 , 24, 378-384 ³⁻²		8
94	Development of a statistical model for discrimination of rupture status in posterior communicating artery aneurysms. <i>Acta Neurochirurgica</i> , 2018 , 160, 1643-1652	3	7
93	Characterization of thrombus composition with multimodality CT-based imaging: an in-vitro study. <i>Journal of NeuroInterventional Surgery</i> , 2021 , 13, 738-740	7.8	7

92	Per pass analysis of thrombus composition retrieved by mechanical thrombectomy. <i>Interventional Neuroradiology</i> , 2021 , 27, 815-820	1.9	7
91	Increased Prevalence of Cerebrovascular Disease in Hospitalized Patients with Ehlers-Danlos Syndrome. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2017 , 26, 1678-1682	2.8	6
90	Sham surgical procedures for pain intervention result in significant improvements in pain: systematic-review and meta-analysis: Metaepidemiologic research requires reporting requirements. <i>Journal of Clinical Epidemiology</i> , 2017 , 87, 108	5.7	6
89	High-resolution scanning electron microscopy for the analysis of three-dimensional ultrastructure of clots in acute ischemic stroke. <i>Journal of NeuroInterventional Surgery</i> , 2021 , 13, 906-911	7.8	6
88	Large Artery Atherosclerotic Clots are Larger than Clots of other Stroke Etiologies and have Poorer Recanalization rates. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021 , 30, 105463	2.8	6
87	Comparison of Balloon Guide Catheters and Standard Guide Catheters for Acute Ischemic Stroke: A Systematic Review and Meta-Analysis. <i>World Neurosurgery</i> , 2021 , 154, 144-153.e21	2.1	6
86	Statins are not associated with short-term improved aneurysm healing in a rabbit model of unruptured aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2017 , 9, 200-203	7.8	5
85	Intra-aneurysmal flow rates are reduced by two flow diverters: an experiment using tomographic particle image velocimetry in an aneurysm model. <i>Journal of NeuroInterventional Surgery</i> , 2015 , 7, 937-942	7.8	5
84	Association of local anesthesia versus conscious sedation with functional outcome of acute ischemic stroke patients undergoing embolectomy. <i>Interventional Neuroradiology</i> , 2020 , 26, 396-404	1.9	5
83	Effect of Systemic Therapies on Outcomes following Vertebroplasty among Patients with Multiple Myeloma. <i>American Journal of Neuroradiology</i> , 2016 , 37, 2400-2406	4.4	5
82	A Multicenter Pilot Study on the Clinical Utility of Computational Modeling for Flow-Diverter Treatment Planning. <i>American Journal of Neuroradiology</i> , 2019 , 40, 1759-1765	4.4	5
81	Adaptive grid generation in a patient-specific cerebral aneurysm. <i>Physical Review E</i> , 2013 , 88, 052720	2.4	5
80	Submaximal angioplasty in the treatment of patients with symptomatic ICAD: a systematic review and meta-analysis. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 380-385	7.8	5
79	Novel Human Acute Ischemic Stroke Blood Clot Analogs for In Vitro Thrombectomy Testing. <i>American Journal of Neuroradiology</i> , 2021 , 42, 1250-1257	4.4	5
78	Histological evaluation of acute ischemic stroke thrombi may indicate the occurrence of vessel wall injury during mechanical thrombectomy. <i>Journal of NeuroInterventional Surgery</i> , 2021 ,	7.8	5
77	Differential Gene Expression in Coiled versus Flow-Diverter-Treated Aneurysms: RNA Sequencing Analysis in a Rabbit Aneurysm Model. <i>American Journal of Neuroradiology</i> , 2016 , 37, 1114-21	4.4	5
76	Downstream vascular changes after flow-diverting device deployment in a rabbit model. <i>Journal of NeuroInterventional Surgery</i> , 2019 , 11, 523-527	7.8	5
75	Selective brain hypothermia: feasibility and safety study of a novel method in five patients. <i>Perfusion (United Kingdom)</i> , 2020 , 35, 96-103	1.9	5

74	A DELPHI consensus statement on antiplatelet management for intracranial stenting due to underlying atherosclerosis in the setting of mechanical thrombectomy. <i>Neuroradiology</i> , 2021 , 63, 627-632 ^{3,2}	5
73	Recently Published Stroke Trials: What the Radiologist Needs to Know. <i>Radiology</i> , 2015 , 276, 8-11	20.5 4
72	Long-Term Rupture Risk in Patients with Unruptured Intracranial Aneurysms Treated with Endovascular Therapy: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2020 , 41, 1043-1048	4.4 4
71	Hemodynamic characteristics of stable and unstable vertebrobasilar dolichoectatic and fusiform aneurysms. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 1102-1107	7.8 4
70	Recent Endovascular Trials: Implications for Radiology Departments, Radiology Residency, and Neuroradiology Fellowship Training at Comprehensive Stroke Centers. <i>Radiology</i> , 2016 , 278, 642-5	20.5 4
69	Impact of sleep disordered breathing on carotid body size. <i>Respiratory Physiology and Neurobiology</i> , 2017 , 236, 5-10	2.8 4
68	Diverse thrombus composition in thrombectomy stroke patients with longer time to recanalization.. <i>Thrombosis Research</i> , 2022 , 209, 99-104	8.2 4
67	Assessment of Blood Clot Composition by Spectral Optical Coherence Tomography: An In Vitro Study. <i>Neurointervention</i> , 2021 , 16, 29-33	1.4 4
66	Characterizing thrombus with multiple red blood cell compositions by optical coherence tomography attenuation coefficient. <i>Journal of Biophotonics</i> , 2021 , 14, e202000364	3.1 4
65	Equipoise dumbbell. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 609-610	7.8 3
64	Commentary: No comparison: conservative management of painful spontaneous osteoporotic compression fractures is the way to go. <i>Spine Journal</i> , 2012 , 12, 1006-7	4 3
63	Remote ischemic conditioning approach for the treatment of ischemic stroke. <i>Neural Regeneration Research</i> , 2020 , 15, 1033-1034	4.5 3
62	Location-Specific ASPECTS Paradigm in Acute Ischemic Stroke: A Systematic Review and Meta-Analysis. <i>American Journal of Neuroradiology</i> , 2020 , 41, 2020-2026	4.4 3
61	Intracranial microhemorrhages in the setting of COVID-19: what we know so far. <i>Neuroradiology Journal</i> , 2021 , 34, 435-439	2 3
60	Iatrogenic Foreign Materials Associated with Retrieved Clot Tissue via Mechanical Thrombectomy. <i>American Journal of Neuroradiology</i> , 2021 , 42, 1239-1249	4.4 3
59	The truth and fiction in aspiration physics: may the forces be with you. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 1029-1030	7.8 3
58	Difficulty in finding manuscript reviewers is not associated with manuscript acceptance rates: a study of the peer-review process at the journal Radiology. <i>Scientometrics</i> , 2017 , 111, 971-978	3 2
57	Opercular Index Score: a CT angiography-based predictor of capillary robustness and neurological outcomes in the endovascular management of acute ischemic stroke. <i>Journal of NeuroInterventional Surgery</i> , 2017 , 9, 1179-1186	7.8 2

56	Concomitant aneurysm detection in an intracranial dolichoectasia mouse model using a MicroFil polymer perfusion technique. <i>Journal of NeuroInterventional Surgery</i> , 2017 , 9, 783-786	7.8	2
55	Clots retrieved by mechanical thrombectomy from acute ischemic stroke patients show no evidence of bacteria. <i>Interventional Neuroradiology</i> , 2019 , 25, 502-507	1.9	2
54	Remote ischemic preconditioning for elective endovascular intracranial aneurysm repair: a feasibility study. <i>Neuroradiology Journal</i> , 2019 , 32, 166-172	2	2
53	To be or not 2b? To see or not 2c? Alas, the clock is ticking on TICI. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 323-324	7.8	2
52	Assessment of endothelialization of aneurysm wall over time in a rabbit model through CD31 scoring. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 888-891	7.8	2
51	Angiographic and clinical outcomes of balloon remodeling versus unassisted coil embolization in the ruptured aneurysm cohort of the GEL THE NEC study. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 446-450	7.8	2
50	Let's -ectomize thrombectomy, shall we?. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 1031-1032	7.8	2
49	Bisphosphonates are not associated with vertebral osteonecrosis. <i>Journal of Bone and Mineral Metabolism</i> , 2009 , 27, 452-5	2.9	2
48	Transient Ischemic Attacks Preceding Ischemic Stroke and the Possible Preconditioning of the Human Brain: A Systematic Review and Meta-Analysis.. <i>Frontiers in Neurology</i> , 2021 , 12, 755167	4.1	2
47	WEB Device Shape Changes in Elastase-Induced Aneurysms in Rabbits. <i>American Journal of Neuroradiology</i> , 2021 , 42, 334-339	4.4	2
46	e-ASPECTS software improves interobserver agreement and accuracy of interpretation of aspects score. <i>Interventional Neuroradiology</i> , 2021 , 27, 781-787	1.9	2
45	Differential Contribution of ASPECTS Regions to Clinical Outcome after Thrombectomy for Acute Ischemic Stroke. <i>American Journal of Neuroradiology</i> , 2021 , 42, 1104-1108	4.4	2
44	In vitro Remote Aspiration Embolectomy for the Treatment of Acute Ischemic Stroke. <i>Interventional Neurology</i> , 2020 , 8, 20-26	3	2
43	Acute ischemic stroke secondary to cardiac embolus of a foreign body material after a redo sternotomy for mitral valve replacement: A case report. <i>Interventional Neuroradiology</i> , 2019 , 25, 208-211	1.9	2
42	Providing Epidemiological Data in Lumbar Spine Imaging Reports Did Not Affect Subsequent Utilization of Spine Procedures: Secondary Outcomes from a Stepped-Wedge Randomized Controlled Trial. <i>Pain Medicine</i> , 2021 , 22, 1272-1280	2.8	2
41	Prevention of Allergic-like Reactions at Repeat CT: Steroid Pretreatment versus Contrast Material Substitution. <i>Radiology</i> , 2021 , 301, 133-140	20.5	2
40	Association of antithrombotic medications and composition of thrombi retrieved by mechanical thrombectomy in acute ischemic stroke. <i>Thrombosis Research</i> , 2021 , 207, 99-101	8.2	2
39	Neurologic Effects of Gadolinium Retention in the Brain after Gadolinium-based Contrast Agent Administration.. <i>Radiology</i> , 2021 , 210559	20.5	2

38	Endovascular Versus Surgical Arteriovenous Fistulas: A Systematic Review and Meta-analysis.. <i>Kidney Medicine</i> , 2022 , 4, 100406	2.8	2
37	Correlation of Neutrophil to Lymphocyte Ratio with Expression of Neutrophil Extracellular Traps Within Stroke Emboli. <i>Interventional Neuroradiology</i> , 2021 , 15910199211065530	1.9	2
36	Comparison of Costs and Postoperative Outcomes between Vertebroplasty and Kyphoplasty for Osteoporotic Vertebral Compression Fractures: Analysis from a State-Level Outpatient Database. <i>World Neurosurgery</i> , 2020 , 141, e801-e814	2.1	1
35	Gadolinium Administration in Undetected Pregnancy: Cause for Alarm?. <i>Radiology</i> , 2019 , 293, 201-202	20.5	1
34	Further discussion of "cerebral aneurysm blood flow simulations are sensitive to basic solver settings". <i>Journal of Biomechanics</i> , 2017 , 61, 281-282	2.9	1
33	Arterial Collapse during Thrombectomy for Stroke: Clinical Evidence and Experimental Findings in Human Brains and In Vivo Models.. <i>American Journal of Neuroradiology</i> , 2022 ,	4.4	1
32	Gadolinium-enhanced cardiac MR exams of human subjects are associated with significant increases in the DNA repair marker 53BP1, but not the damage marker H2AX. <i>PLoS ONE</i> , 2018 , 13, e0190890	3.7	1
31	Capillary Index Score in acute ischemic stroke: interobserver reliability and correlation with neurological outcomes. <i>Journal of Neurosurgical Sciences</i> , 2018 , 62, 116-120	1.3	1
30	Considerations for Antiplatelet Management of Carotid Stenting in the Setting of Mechanical Thrombectomy: A Delphi Consensus Statement. <i>American Journal of Neuroradiology</i> , 2020 , 41, 2274-2279	4.4	1
29	The Distribution and Role of M1 and M2 Macrophages in Aneurysm Healing after Platinum Coil Embolization. <i>American Journal of Neuroradiology</i> , 2020 , 41, 1657-1662	4.4	1
28	Trends in Utilization of Preoperative Embolization for Spinal Metastases: A Study of the National Inpatient Sample 2005-2017. <i>Neurointervention</i> , 2021 , 16, 52-58	1.4	1
27	Radiology-Pathology Correlations of Intracranial Clots: Current Theories, Clinical Applications, and Future Directions. <i>American Journal of Neuroradiology</i> , 2021 , 42, 1558-1565	4.4	1
26	Gadolinium retention within multiple rat organs after intra-articular administration of gadolinium-based contrast agents. <i>Skeletal Radiology</i> , 2021 , 50, 1419-1425	2.7	1
25	Angiographic results of surgical or endovascular treatment of intracranial aneurysms: a systematic review and inter-observer reliability study. <i>Neuroradiology</i> , 2021 , 63, 1511-1519	3.2	1
24	Bilateral Sustained Nephrograms After Parenteral Administration of Iodinated Contrast Material: A Potential Biomarker for Acute Kidney Injury, Dialysis, and Mortality. <i>Mayo Clinic Proceedings</i> , 2018 , 93, 867-876	6.4	1
23	Association of Silent Cerebrovascular Disease Identified Using Natural Language Processing and Future Ischemic Stroke. <i>Neurology</i> , 2021 , 97, e1313-e1321	6.5	1
22	Characterization of the White-Appearing Clots that Cause Acute Ischemic Stroke. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021 , 30, 106127	2.8	1
21	Postprocedural Thrombosis following Endovascular Treatment of Intracranial Aneurysm with Flow Diverters or Coiling: A Histologic Study.. <i>American Journal of Neuroradiology</i> , 2021 ,	4.4	1

20	Letter by Kallmes et al Regarding Article, "Mechanical Thrombectomy in Ischemic Stroke Patients With Alberta Stroke Program Early Computed Tomography Score 0-5". <i>Stroke</i> , 2019 , 50, e219	6.7	o
19	Aspiring to an improved aspiration literature. <i>Journal of NeuroInterventional Surgery</i> , 2018 , 10, 923-924	7.8	o
18	Action mechanism of the beveled tip aspiration catheter. <i>Journal of NeuroInterventional Surgery</i> , 2021 , 13, e18	7.8	o
17	Agreement between neuroimages and reports for natural language processing-based detection of silent brain infarcts and white matter disease. <i>BMC Neurology</i> , 2021 , 21, 189	3.1	o
16	Endoluminal flow diverters in the treatment of sidewall and bifurcation aneurysm: A systematic review and meta-analysis of complications and angiographic outcomes. <i>Interventional Neuroradiology</i> , 2021 , 15910199211026713	1.9	o
15	Acute Reactions to Gadolinium-Based Contrast Agents in a Pediatric Cohort: A Retrospective Study of 16,237 Injections. <i>American Journal of Roentgenology</i> , 2021 , 216, 1363-1369	5.4	o
14	Effects of Including Epidemiologic Data in Lumbar Spine Imaging Reports on Prescribing Non-Opioid Medications for Pain. <i>Journal of General Internal Medicine</i> , 2021 , 36, 2237-2243	4	o
13	Evaluation of Outcome Prediction of Flow Diversion for Intracranial Aneurysms. <i>American Journal of Neuroradiology</i> , 2021 , 42, 1973-1978	4.4	o
12	A Thrombectomy Model Based on Ex Vivo Whole Human Brains. <i>American Journal of Neuroradiology</i> , 2021 , 42, 1968-1972	4.4	o
11	Histological composition of retrieved emboli in acute ischemic stroke is independent of pre-thrombectomy alteplase use.. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2022 , 31, 106376	2.8	o
10	Intra-procedural cerebral sinus thrombosis during endovascular treatment of idiopathic intracranial hypertension.. <i>Neuroradiology Journal</i> , 2022 , 19714009221096837	2	o
9	Histologic and Biomolecular Similarities in Healing between Aneurysms and Cutaneous Skin Wounds. <i>American Journal of Neuroradiology</i> , 2019 , 40, 1018-1021	4.4	
8	Response by Brinjikji et al to Letter Regarding Article, "Neurons Over Nephrons: Systematic Review and Meta-Analysis of Contrast-Induced Nephropathy in Patients With Acute Stroke". <i>Stroke</i> , 2017 , 48, e263	6.7	
7	Response to: Some Questions About the Article "The Efficacy and Safety of Vertebral Augmentation: A Second ASBMR Task Force Report". <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 212-213	6.3	
6	Augmented Reality. <i>American Journal of Neuroradiology</i> , 2020 , 41, E67-E68	4.4	
5	L-Arginine reduces downstream vascular contractility after flow-diverting device deployment: A preliminary study in a rabbit model. <i>Interventional Neuroradiology</i> , 2021 , 15910199211025107	1.9	
4	Immunologic biomarker changes in patients exposed to intravenous iodinated contrast material. <i>Annals of Allergy, Asthma and Immunology</i> , 2021 , 127, 135-136	3.2	
3	Novel Focal Therapeutic Hypothermia Device for Treatment of Acute Neurologic Injury: Large Animal Safety and Efficacy Trial.. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2022 , 83, 203-209	1.5	

- 2 Expected Organizational Costs for Inserting Prevalence Information Into Lumbar Spine Imaging Reports. *Journal of the American College of Radiology*, **2021**, 18, 1415-1422 3.5
- 1 Correspondence on "Unplanned readmission after carotid stenting versus endarterectomy: analysis of the United States Nationwide Readmissions Database" by Nazari .. *Journal of NeuroInterventional Surgery*, **2022**, 7.8