Mahmud Mossa-Basha

List of Publications by Year
in descending order

128	3,842	201674	144013
papers	citations	27 h-index	57 g-index

131	131	131	4958
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Irregular pulsation of aneurysmal wall is associated with symptomatic and ruptured intracranial aneurysms. Journal of NeuroInterventional Surgery, 2023, 15, 91-96.	3.3	4
2	Incidental vascular findings on brain magnetic resonance angiography. British Journal of Radiology, 2023, 96, 20220135.	2.2	2
3	Baseline vessel wall magnetic resonance imaging characteristics associated with in-stent restenosis for intracranial atherosclerotic stenosis. Journal of NeuroInterventional Surgery, 2023, 15, 288-291.	3.3	12
4	Incidental findings on brain magnetic resonance imaging (MRI) in adults: a review of imaging spectrum, clinical significance, and management. British Journal of Radiology, 2023, 96, 20220108.	2.2	3
5	Shape related features of intracranial aneurysm are associated with rupture status in a large Chinese cohort. Journal of NeuroInterventional Surgery, 2022, 14, 252-256.	3.3	20
6	Comparison of 7ÂT and 3ÂT vessel wall MRI for the evaluation of intracranial aneurysm wall. European Radiology, 2022, 32, 2384-2392.	4.5	10
7	Uveal Melanoma with Extraocular Spread. , 2022, , 369-374.		0
8	Effects of laser interstitial thermal therapy for mesial temporal lobe epilepsy on the structural connectome and its relationship to seizure freedom. Epilepsia, 2022, 63, 176-189.	5.1	5
9	Multiâ€Planar, Multiâ€Contrast and Multiâ€Time Point Analysis Tool (<scp>MOCHA</scp>) for Intracranial Vessel Wall Characterization. Journal of Magnetic Resonance Imaging, 2022, 56, 944-955.	3.4	7
10	Beyond the AJR: Comparable Clinical Outcomes When Using Noncontrast CT, CT Perfusion Imaging, or MRI to Select Patients With Stroke for Mechanical Thrombectomy. American Journal of Roentgenology, 2022, , .	2.2	0
11	Use of CTA Test Dose to Trigger a Low Cardiac Output Protocol Improves Acute Stroke CTP Data Analyzed with RAPID Software. American Journal of Neuroradiology, 2022, 43, 388-393.	2.4	3
12	A Comparison of CT-Guided Bone Biopsy and Fluoroscopic-Guided Disc Aspiration as Diagnostic Methods in the Management of Spondylodiscitis. Current Problems in Diagnostic Radiology, 2022, 51, 728-732.	1.4	0
13	White Matter Hyperintensities and Their Relationship to Outcomes after Stroke Intervention. Radiology, 2022, 304, 153-154.	7.3	1
14	Construction and Evaluation of Multiple Radiomics Models for Identifying the Instability of Intracranial Aneurysms Based on CTA. Frontiers in Neurology, 2022, 13, 876238.	2.4	0
15	A Randomized Controlled Trial of Statins to Reduce Inflammation in Unruptured Cerebral Aneurysms. JACC: Cardiovascular Imaging, 2022, 15, 1668-1670.	5.3	10
16	Idiopathic intracranial hypertension imaging approaches and the implications in patient management. British Journal of Radiology, 2022, 95, 20220136.	2.2	2
17	Short-, Mid-, and Long-term Strategies to Manage the Shortage of Iohexol. Radiology, 2022, 304, 289-293.	7.3	31
18	Short-Term Mitigation Steps During the Iohexol Contrast Shortage: A Single Institutionâ€™s Approach. Journal of the American College of Radiology, 2022, 19, 841-845.	1.8	16

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19	Image-Quality Assessment of 3D Intracranial Vessel Wall MRI Using DANTE or DANTE-CAIPI for Blood Suppression and Imaging Acceleration. American Journal of Neuroradiology, 2022, 43, 837-843.	2.4	9
20	Survey of the American Society of Neuroradiology Membership on the Use and Value of Intracranial Vessel Wall MRI. American Journal of Neuroradiology, 2022, 43, 951-957.	2.4	13
21	Misleading Public Statements About COVID-19. Journal of the American College of Radiology, 2021, 18, 6-7.	1.8	0
22	Special Report of the RSNA COVID-19 Task Force: The Short- and Long-term Financial Impact of the COVID-19 Pandemic on Private Radiology Practices. Radiology, 2021, 298, E11-E18.	7.3	20
23	Comparison of time-of-flight MR angiography and intracranial vessel wall MRI for luminal measurements relative to CT angiography. British Journal of Radiology, 2021, 94, 20200743.	2.2	16
24	Segmented quantitative diffusion tensor imaging evaluation of acute traumatic cervical spinal cord injury. British Journal of Radiology, 2021, 94, 20201000.	2.2	4
25	Bridging Thrombolysis Achieved Better Outcomes Than Direct Thrombectomy After Large Vessel Occlusion. Stroke, 2021, 52, 356-365.	2.0	50
26	Qualitative and Quantitative Wall Enhancement on Magnetic Resonance Imaging Is Associated With Symptoms of Unruptured Intracranial Aneurysms. Stroke, 2021, 52, 213-222.	2.0	52
27	Assessment of Intracranial Atherosclerotic Plaques Using 3D Blackâ€Blood MRI : Comparison With 3D Timeâ€ofâ€Flight MRA and DSA. Journal of Magnetic Resonance Imaging, 2021, 53, 469-478.	3.4	31
28	Irregular pulsation of intracranial unruptured aneurysm detected by four-dimensional CT angiography is associated with increased estimated rupture risk and conventional risk factors. Journal of NeuroInterventional Surgery, 2021, 13, 854-859.	3.3	12
29	Progression of Plaque Burden of Intracranial Atherosclerotic Plaque Predicts Recurrent Stroke/Transient Ischemic Attack: A Pilot Followâ€Up Study Using Higherâ€Resolution <scp>MRI</scp>. Journal of Magnetic Resonance Imaging, 2021, 54, 560-570.	3.4	33
30	Aspirin versus anticoagulation for stroke prophylaxis in blunt cerebrovascular injury: a propensity-matched retrospective cohort study. Journal of Neurosurgery, 2021, 135, 1413-1420.	1.6	5
31	Association of Type 2 Diabetes Mellitus and Glycemic Control With Intracranial Plaque Characteristics in Patients With Acute Ischemic Stroke. Journal of Magnetic Resonance Imaging, 2021, 54, 655-666.	3.4	13
32	Special Report of the RSNA COVID-19 Task Force: Crisis Leadership of Major Health System Radiology Departments during COVID-19. Radiology, 2021, 299, E187-E192.	7.3	5
33	Neural network enhanced 3D turbo spin echo for MR intracranial vessel wall imaging. Magnetic Resonance Imaging, 2021, 78, 7-17.	1.8	5
34	Computed tomography angiography findings predictive of post-intervention vasospasm in patients with aneurysmal subarachnoid hemorrhage. British Journal of Radiology, 2021, 94, 20200893.	2.2	1
35	High-Resolution Magnetic Resonance Vessel Wall Imaging for the Evaluation of Intracranial Vascular Pathology. Neuroimaging Clinics of North America, 2021, 31, 223-233.	1.0	11
36	Imaging of Vulnerable Intracranial Atherosclerotic Plaque for Embolic Stroke of Undetermined Source. Journal of the American College of Cardiology, 2021, 77, 3140.	2.8	1

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37	Using CT and MRI Scans after Intervention for Stroke to Predict Patient Outcomes. Radiology, 2021, 300, 160-161.	7.3	1
38	Intracranial Atherosclerotic Plaque Characteristics and Burden Associated With Recurrent Acute Stroke: A 3D Quantitative Vessel Wall MRI Study. Frontiers in Aging Neuroscience, 2021, 13, 706544.	3.4	28
39	Application of High-Resolution Flat Detector Computed Tomography in Stent Implantation for Intracranial Atherosclerotic Stenosis. Frontiers in Neuroscience, 2021, 15, 655594.	2.8	4
40	The Use of Pointwise Encoding Time Reduction With Radial Acquisition MRA to Assess Middle Cerebral Artery Stenosis Pre- and Post-stent Angioplasty: Comparison With 3D Time-of-Flight MRA and DSA. Frontiers in Cardiovascular Medicine, 2021, 8, 739332.	2.4	5
41	Wall enhancement as an emerging marker of intracranial aneurysm stability: Roadmap toward a potential target for clinical trials. European Journal of Neurology, 2021, 28, 3550-3551.	3.3	5
42	Uveal Melanoma with Extraocular Spread. , 2021, , 1-6.		0
43	Assessment of Therapeutic Response to Statin Therapy in Patients With Intracranial or Extracranial Carotid Atherosclerosis by Vessel Wall MRI: A Systematic Review and Updated Meta-Analysis. Frontiers in Cardiovascular Medicine, 2021, 8, 742935.	2.4	5
44	Vessel Wall MR Imaging in the Pediatric Head and Neck. Magnetic Resonance Imaging Clinics of North America, 2021, 29, 595-604.	1.1	3
45	Neurovascular vessel wall imaging: new techniques and clinical applications. Advances in Magnetic Resonance Technology and Applications, 2021, 4, 485-500.	0.1	0
46	Is a Close Follow-Up Computed Tomography Necessary for Acute Falcine and Tentorial Subdural Hematoma?. Journal of Computer Assisted Tomography, 2021, Publish Ahead of Print, 97-102.	0.9	0
47	Report from the RSNA COVID-19 Task Force: COVID-19 Impact on Academic Radiology Research- A Survey of Vice Chairs of Research. Journal of the American College of Radiology, 2021, , .	1.8	5
48	The ability of magnetic resonance black blood vessel wall imaging to evaluate blunt cerebrovascular injury following acute trauma. Journal of Neuroradiology, 2020, 47, 210-215.	1.1	14
49	Pulmonary COVID-19: Multimodality Imaging Examples. Radiographics, 2020, 40, 1893-1894.	3.3	2
50	Imaging Features of Vulnerable Carotid Atherosclerotic Plaque and the Associated Clinical Implications. Current Treatment Options in Cardiovascular Medicine, 2020, 22, 1.	0.9	1
51	ACR Appropriateness Criteria Facilitate Judicious Use of CT Angiography for Stroke Workup in the Emergency Department. Journal of the American College of Radiology, 2020, 17, 1230-1236.	1.8	0
52	Prevalence and Financial Impact of Claustrophobia, Anxiety, Patient Motion, and Other Patient Events in Magnetic Resonance Imaging. Topics in Magnetic Resonance Imaging, 2020, 29, 125-130.	1.2	40
53	Characteristics of pediatric patients with traumatic epidural hematomas who can be safely observed: a clinical validation study. British Journal of Radiology, 2020, 93, 20190968.	2.2	3
54	Policies and Guidelines for COVID-19 Preparedness: Experiences from the University of Washington. Radiology, 2020, 296, E26-E31.	7.3	19

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55	Practical Considerations for Radiologists in Implementing a Patient-friendly MRI Experience. Topics in Magnetic Resonance Imaging, 2020, 29, 181-186.	1.2	25
56	Applying Artificial Intelligence to Mitigate Effects of Patient Motion or Other Complicating Factors on Image Quality. Topics in Magnetic Resonance Imaging, 2020, 29, 175-180.	1.2	19
57	Natural History of Blunt Cerebrovascular Injury: Experience Over a 10-year Period at a Level I Trauma Center. Radiology, 2020, 297, 428-435.	7.3	23
58	Coronavirus Disease 2019 (COVID-19) and Your Radiology Practice: Case Triage, Staffing Strategies, and Addressing Revenue Concerns. Journal of the American College of Radiology, 2020, 17, 752-754.	1.8	16
59	How Far Can We Take Vessel Wall MRI for Intracranial Atherosclerosis? The Tissue is Still the Issue. American Journal of Neuroradiology, 2020, 41, E30-E31.	2.4	3
60	Coronavirus Disease 2019 (COVID-19): Radiology Department Financial Impact and Planning for Post-COVID Recovery. Journal of the American College of Radiology, 2020, 17, 894-898.	1.8	18
61	The Dancing Cord: Inherent Spinal Cord Motion and Its Effect on Cord Dose in Spine Stereotactic Body Radiation Therapy. Neurosurgery, 2020, 87, 1157-1166.	1.1	14
62	Radiology Department Preparedness for COVID-19: Radiology Scientific Expert Review Panel. Radiology, 2020, 296, E106-E112.	7.3	267
63	Radiology Department Preparedness in the Coronavirus Disease 2019 (COVID-19) Postshutdown Environment. Journal of the American College of Radiology, 2020, 17, 890-893.	1.8	11
64	A novel algorithm for refining cerebral vascular measurements in infants and adults. Journal of Neuroscience Methods, 2020, 340, 108751.	2.5	3
65	Policies and Guidelines for COVID-19 Preparedness: Experiences from the University of Washington. Radiology, 2020, 296, E26-E31.	7.3	129
66	Current Imaging Approaches and Challenges in the Assessment of the Intracranial Vasculature. , 2020, , 17-50.		1
67	Patients Who Benefit from Intracranial Pressure Monitoring without Cerebrospinal Fluid Drainage After Severe Traumatic Brain Injury. Neurosurgery, 2019, 85, 231-239.	1.1	10
68	Radiological Management of Angiographically Negative, Spontaneous Intracranial Subarachnoid Hemorrhage: A Multicenter Study of Utilization and Diagnostic Yield. Neurosurgery, 2019, 85, 126-133.	1.1	5
69	Spinal metastasis: diagnosis, management and follow-up. British Journal of Radiology, 2019, 92, 20190211.	2.2	29
70	Strategies to Mitigate Toxicities From Stereotactic Body Radiation Therapy for Spine Metastases. Neurosurgery, 2019, 85, 729-740.	1.1	12
71	Intracranial aneurysms at higher clinical risk for rupture demonstrate increased wall enhancement and thinning on multicontrast 3D vessel wall MRI. British Journal of Radiology, 2019, 92, 20180950.	2.2	47
72	Inter-rater and scanâ€“rescan reproducibility of the detection of intracranial atherosclerosis on contrast-enhanced 3D vessel wall MRI. British Journal of Radiology, 2019, 92, 20180973.	2.2	17

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73	Neuroimaging and Stereotactic Body Radiation Therapy (SBRT) for Spine Metastasis. Topics in Magnetic Resonance Imaging, 2019, 28, 85-96.	1.2	8
74	Quantification of morphometry and intensity features of intracranial arteries from 3D TOF MRA using the intracranial artery feature extraction (iCafe): A reproducibility study. Magnetic Resonance Imaging, 2019, 57, 293-302.	1.8	18
75	Accelerated multi-contrast high isotropic resolution 3D intracranial vessel wall MRI using a tailored k-space undersampling and partially parallel reconstruction strategy. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 343-357.	2.0	14
76	Compressed Sensingâ€“Sensitivity Encoding (CS-SENSE) Accelerated Brain Imaging: Reduced Scan Time without Reduced Image Quality. American Journal of Neuroradiology, 2019, 40, 92-98.	2.4	79
77	Vessel wall MRI characteristics of endovascularly treated aneurysms: association with angiographic vasospasm. Journal of Neurosurgery, 2019, 131, 859-867.	1.6	18
78	The utility of deep learning: evaluation of a convolutional neural network for detection of intracranial bleeds on non-contrast head computed tomography studies. , 2019, , .		20
79	High-resolution vessel wall imaging in Susac's Syndrome. Journal of Neurosurgical Sciences, 2019, 63, 235-236.	0.6	2
80	Magnetic resonance vessel wall imaging in cerebrovascular diseases. Neurosurgical Focus, 2019, 47, E4.	2.3	30
81	Simultaneous Intracranial Artery Tracing and Segmentation from Magnetic Resonance Angiography by Joint Optimization from Multiplanar Reformation. Lecture Notes in Computer Science, 2019, , 201-209.	1.3	1
82	Abstract TP541: CT Angiography Leptomeningeal Collateral Assessment for Vasospasm in Patients With Aneurysmal Subarachnoid Hemorrhage. Stroke, 2019, 50, .	2.0	0
83	Stereotactic body radiotherapy for benign spinal tumors: Meningiomas, schwannomas, and neurofibromas. Journal of Radiosurgery and SBRT, 2019, 6, 167-177.	0.2	2
84	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. American Journal of Neuroradiology, 2018, 39, E9-E31.	2.4	213
85	Imaging and Management of Blunt Cerebrovascular Injury. Radiographics, 2018, 38, 542-563.	3.3	74
86	Conventional and high-resolution vessel wall MRI of intracranial aneurysms: current concepts and new horizons. Journal of Neurosurgery, 2018, 128, 969-981.	1.6	40
87	Development of a quantitative intracranial vascular features extraction tool on 3<scp>D</scp><scp>MRA</scp> using semiautomated openâ€curve active contour vessel tracing. Magnetic Resonance in Medicine, 2018, 79, 3229-3238.	3.0	64
88	Optimal Fat Suppression in Head and Neck MRI: Comparison of Multipoint Dixon with 2 Different Fat-Suppression Techniques, Spectral Presaturation and Inversion Recovery, and STIR. American Journal of Neuroradiology, 2018, 39, 362-368.	2.4	37
89	Diffusion Tensor Imaging of the Spinal Cord: Clinical Value, Investigational Applications, and Technical Limitations. Current Problems in Diagnostic Radiology, 2018, 47, 257-269.	1.4	28
90	Spinal Diffusion Tensor Imaging in Evaluation of Preoperative and Postoperative Severity of Cervical Spondylotic Myelopathy: Systematic Review of Literature. World Neurosurgery, 2017, 99, 150-158.	1.3	40

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91	The Association of Intracranial Vascular Calcification and Stenosis With Acute Ischemic Cerebrovascular Events. Journal of Computer Assisted Tomography, 2017, 41, 849-853.	0.9	14
92	Carotid intraplaque hemorrhage on vessel wall MRI does not correlate with TCD emboli monitoring in patients with recently symptomatic carotid atherosclerosis. Neuroradiology Journal, 2017, 30, 486-489.	1.2	2
93	High-resolution vessel wall MRI for the evaluation of intracranial atherosclerotic disease. Neuroradiology, 2017, 59, 1193-1202.	2.2	50
94	Added Value of Vessel Wall Magnetic Resonance Imaging for Differentiation of Nonocclusive Intracranial Vasculopathies. Stroke, 2017, 48, 3026-3033.	2.0	83
95	Test-Retest and Interreader Reproducibility of Semiautomated Atlas-Based Analysis of Diffusion Tensor Imaging Data in Acute Cervical Spine Trauma in Adult Patients. American Journal of Neuroradiology, 2017, 38, 2015-2020.	2.4	8
96	T2*-Weighted and Diffusion Magnetic Resonance Imaging Differentiation of Cerebral Fat Embolism From Diffuse Axonal Injury. Journal of Computer Assisted Tomography, 2017, 41, 877-883.	0.9	18
97	Transcranial Doppler Microemboli Monitoring for Stroke Risk Stratification in Blunt Cerebrovascular Injury. Critical Care Medicine, 2017, 45, e1011-e1017.	0.9	22
98	Intracranial vessel wall imaging for evaluation of steno-occlusive diseases and intracranial aneurysms. Journal of Neuroradiology, 2017, 44, 123-134.	1.1	17
99	Intracranial Vessel Wall MRI: Principles and Expert Consensus Recommendations of the American Society of Neuroradiology. American Journal of Neuroradiology, 2017, 38, 218-229.	2.4	457
100	3D intracranial artery segmentation using a convolutional autoencoder. , 2017, , .		18
101	Abstract WP125: Accelerated 3d Isotropic High-resolution Multi-contrast Intracranial Vessel Wall MRI For Large Artery Stroke Evaluation. Stroke, 2017, 48, .	2.0	0
102	Abstract WP260: Imaging Appropriateness Criteria May Guide Effective Use of CT Angiography in Acute Stroke Workup. Stroke, 2017, 48, .	2.0	1
103	Evaluation of Focal Cervical Spinal Cord Lesions in Multiple Sclerosis: Comparison of White Matter-Suppressed T1 Inversion Recovery Sequence versus Conventional STIR and Proton Density-Weighted Turbo Spin-Echo Sequences. American Journal of Neuroradiology, 2016, 37, 1561-1566.	2.4	12
104	Evaluation and management of longitudinally extensive transverse myelitis: a guide for radiologists. Clinical Radiology, 2016, 71, 960-971.	1.1	24
105	Intracranial vessel wall MRI: a review of current indications and future applications. Neurovascular Imaging, 2016, 2, .	2.4	25
106	Added Value of Vessel Wall Magnetic Resonance Imaging in the Differentiation of Moyamoya Vasculopathies in a Non-Asian Cohort. Stroke, 2016, 47, 1782-1788.	2.0	85
107	Qualitative Comparison of Noncontrast Head Dual-Energy Computed Tomography Using Rapid Voltage Switching Technique and Conventional Computed Tomography. Journal of Computer Assisted Tomography, 2016, 40, 320-325.	0.9	22
108	Vessel wall imaging for intracranial vascular disease evaluation. Journal of NeuroInterventional Surgery, 2016, 8, 1154-1159.	3.3	60

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109	High-resolution intracranial vessel wall imaging: imaging beyond the lumen. Journal of Neurology, Neurosurgery and Psychiatry, 2016, 87, 589-597.	1.9	104
110	Low-Grade Carotid Stenosis. Neuroimaging Clinics of North America, 2016, 26, 129-145.	1.0	14
111	Noninvasive vascular imaging of moyamoya: Diagnosis, followup, and surgical planning. Journal of Pediatric Neuroradiology, 2015, 03, 013-020.	0.1	0
112	Nonstenotic Culprit Plaque: The Utility of High-Resolution Vessel Wall MRI of Intracranial Vessels after Ischemic Stroke. Case Reports in Radiology, 2015, 2015, 1-4.	0.3	22
113	Multicontrast High-Resolution Vessel Wall Magnetic Resonance Imaging and Its Value in Differentiating Intracranial Vasculopathic Processes. Stroke, 2015, 46, 1567-1573.	2.0	173
114	A 61-Year-Old Woman With Headaches and Aphasia. Neurohospitalist, The, 2015, 5, 245-250.	0.8	1
115	Toward Quantifying the Prevalence, Severity, andÂCost Associated With Patient Motion DuringÂClinical MR Examinations. Journal of the American College of Radiology, 2015, 12, 689-695.	1.8	168
116	Radiographic and clinical outcomes in cavernous carotid fistula with special focus on alternative transvenous access techniques. Journal of Clinical Neuroscience, 2015, 22, 859-864.	1.5	24
117	Applicability of apparent diffusion coefficient ratios in preoperative diagnosis of common pediatric cerebellar tumors across two institutions. Neuroradiology, 2014, 56, 781-788.	2.2	35
118	Cranial intraosseous meningioma: spectrum of neuroimaging findings with respect to histopathological grades in 65 patients. Clinical Imaging, 2014, 38, 599-604.	1.5	18
119	Sonography of fat necrosis of the breast: Correlation with mammography and MR imaging. Journal of Clinical Ultrasound, 2013, 41, 415-423.	0.8	15
120	Imaging of the Paranasal Sinuses. Seminars in Roentgenology, 2013, 48, 14-34.	0.6	29
121	Clinical and Radiologic Features of Fungal Diseases of the Paranasal Sinuses. Journal of Computer Assisted Tomography, 2012, 36, 570-576.	0.9	22
122	The many faces of fungal disease of the paranasal sinuses: CT and MRI findings. Diagnostic and Interventional Radiology, 2012, 19, 195-200.	1.5	46
123	To Image or to Autopsy?. Annals of Internal Medicine, 2012, 156, 158.	3.9	17
124	Imaging of Cerebral Arteriovenous Malformations and Dural Arteriovenous Fistulas. Neurosurgery Clinics of North America, 2012, 23, 27-42.	1.7	65
125	Ductal Carcinoma in Situ of the Breast: MR Imaging Findings with Histopathologic Correlation. Radiographics, 2010, 30, 1673-1687.	3.3	49
126	Musculoskeletal Infection. Ultrasound Clinics, 2007, 2, 639-653.	0.2	4

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127	Glioblastoma multiforme (GBM) of the conus medullaris with brain and brain stem metastases. European Journal of Radiology Extra, 2006, 58, 59-62.	0.1	7
128	Upregulation of insulin receptor substrate-2 in pancreatic Î² cells prevents diabetes. Journal of Clinical Investigation, 2003, 112, 1521-1532.	8.2	232