John Huston Iii

List of Publications by Year in descending order

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81743 79541 6,080 134 39 73 citations g-index h-index papers 137 137 137 5611 docs citations times ranked citing authors all docs

#	Article	IF	Citations
1	Normalized intraplaque hemorrhage signal on MP-RAGE as a marker for acute ischemic neurological events. Neuroradiology Journal, 2022, 35, 112-118.	0.6	3
2	Regional Brain Stiffness Analysis of Dementia with Lewy Bodies. Journal of Magnetic Resonance Imaging, 2022, 55, 1907-1909.	1.9	0
3	Predicting pituitary adenoma consistency with preoperative magnetic resonance elastography. Journal of Neurosurgery, 2022, 136, 1356-1363.	0.9	8
4	Left–Right Intensity Asymmetries Vary Depending on Scanner Model for FLAIR and T 1 Weighted MRI Images. Journal of Magnetic Resonance Imaging, 2022, , .	1.9	3
5	The development of ultra–high field MRI guidance technology for neuronavigation. Journal of Neurosurgery, 2022, 137, 1265-1277.	0.9	6
6	Impact of material homogeneity assumption on cortical stiffness estimates by <scp>MR</scp> elastography. Magnetic Resonance in Medicine, 2022, 88, 916-929.	1.9	7
7	Features of Idiopathic Intracranial Hypertension on MRI With MR Elastography: Prospective Comparison With Control Individuals and Assessment of Postintervention Changes. American Journal of Roentgenology, 2022, 219, 940-951.	1.0	5
8	Embolic Stroke of Undetermined Source and Carotid Intraplaque Hemorrhage on MRI. Clinical Neuroradiology, 2021, 31, 307-313.	1.0	12
9	TURBINEâ€MRE: A 3D hybrid radialâ€Cartesian EPI acquisition for MR elastography. Magnetic Resonance in Medicine, 2021, 85, 945-952.	1.9	12
10	Safety and efficacy of (+)â€epicatechin in subjects with Friedreich's ataxia: A phase <scp>II</scp> , openâ€label, prospective study. Journal of Inherited Metabolic Disease, 2021, 44, 502-514.	1.7	15
11	Application of Adaptive Image Receive Coil Technology for Whole-Brain Imaging. American Journal of Roentgenology, 2021, 216, 552-559.	1.0	10
12	Harnessing brain waves: a review of brain magnetic resonance elastography for clinicians and scientists entering the field. British Journal of Radiology, 2021, 94, 20200265.	1.0	19
13	Carotid Intraplaque Hemorrhage and Stenosis: At What Stage of Plaque Progression Does Intraplaque Hemorrhage Occur, and When is It Most Likely to Be Associated with Symptoms?. American Journal of Neuroradiology, 2021, 42, 1285-1290.	1.2	9
14	A new method for quantification and 3D visualization of brain tumor adhesion using slip interface imaging in patients with meningiomas. European Radiology, 2021, 31, 5554-5564.	2.3	7
15	Improved Brain MR Imaging from a Compact, Lightweight 3T Scanner with Highâ€Performance Gradients. Journal of Magnetic Resonance Imaging, 2021, , .	1.9	3
16	Prognostic Value of Intraplaque Neovascularization Detected by Carotid Contrast-Enhanced Ultrasound in Patients Undergoing Stress Echocardiography. Journal of the American Society of Echocardiography, 2021, 34, 614-624.	1.2	15
17	Fast 3D MR elastography of the whole brain using spiral staircase: Data acquisition, image reconstruction, and joint deblurring. Magnetic Resonance in Medicine, 2021, 86, 2011-2024.	1.9	11
18	Changes in Ventricular and Cortical Volumes following Shunt Placement in Patients with Idiopathic Normal Pressure Hydrocephalus. American Journal of Neuroradiology, 2021, , .	1.2	2

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19	Idiopathic Intracranial Hypertension is Associated with a Higher Burden of Visible Cerebral Perivascular Spaces: The Glymphatic Connection. American Journal of Neuroradiology, 2021, 42, 2160-2164.	1.2	10
20	Comparison of non-contrast vessel wall imaging and 3-D time-of-flight MRA for atherosclerotic stenosis and plaque characterization within intracranial arteries. Journal of Neuroradiology, 2020, 47, 266-271.	0.6	13
21	Distortionâ€free imaging: A double encoding method (DIADEM) combined with multiband imaging for rapid distortionâ€free highâ€resolution diffusion imaging on a compact 3T with highâ€performance gradients. Journal of Magnetic Resonance Imaging, 2020, 51, 296-310.	1.9	15
22	Phantom validation of quantitative susceptibility and dynamic contrastâ€enhanced permeability MR sequences across instruments and sites. Journal of Magnetic Resonance Imaging, 2020, 51, 1192-1199.	1.9	10
23	Cerebral microbleed incidence, relationship to amyloid burden. Neurology, 2020, 94, e190-e199.	1.5	31
24	The effect of spiral trajectory correction on pseudoâ€continuous arterial spin labeling with highâ€performance gradients on a compact 3T scanner. Magnetic Resonance in Medicine, 2020, 84, 192-205.	1.9	7
25	Carotid Intraplaque Hemorrhage Is Associated with Cardiovascular Risk Factors. Cerebrovascular Diseases, 2020, 49, 355-360.	0.8	6
26	Concussions in Ice Hockey — Moving Toward Objective Diagnoses and Point-of-care Treatment: A Review. Current Sports Medicine Reports, 2020, 19, 380-386.	0.5	5
27	Left-sided carotid arteries have a higher prevalence of intraplaque hemorrhage than right-sided: An asymmetric conundrum. Neuroradiology Journal, 2020, 33, 494-500.	0.6	7
28	Variations in the Presence of Carotid Intraplaque Hemorrhage Across Age Categories: What Age Groups Are Most Likely to Benefit From Plaque Imaging?. Frontiers in Neurology, 2020, 11, 603055.	1.1	3
29	CSF dynamics disorders: Association of brain MRI and nuclear medicine cisternogram findings. Neurolmage: Clinical, 2020, 28, 102481.	1.4	5
30	Prevalence and Heterogeneity of Cerebrovascular Disease Imaging Lesions. Mayo Clinic Proceedings, 2020, 95, 1195-1205.	1.4	30
31	Reducing PNS with minimal performance penalties via simple pulse sequence modifications on a high-performance compact 3T scanner. Physics in Medicine and Biology, 2020, 65, 15NT02.	1.6	11
32	Identification of Normal Pressure Hydrocephalus by Disease-Specific Patterns of Brain Stiffness and Damping Ratio. Investigative Radiology, 2020, 55, 200-208.	3.5	32
33	Long-term remission, relapses and maintenance therapy in adult primary central nervous system vasculitis: A single-center 35-year experience. Autoimmunity Reviews, 2020, 19, 102497.	2.5	29
34	Combined spatiotemporal and frequency-dependent shear wave elastography enables detection of vulnerable carotid plaques as validated by MRI. Scientific Reports, 2020, 10, 403.	1.6	17
35	Artificial neural networks for magnetic resonance elastography stiffness estimation in inhomogeneous materials. Medical Image Analysis, 2020, 63, 101710.	7.0	16
36	Correlation of MRI-detected vulnerable carotid plaques with clinical presentation: a systematic review and meta-analysis. Journal of Neurosurgical Sciences, 2020, 64, 263-271.	0.3	3

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37	Predicting Pituitary Adenomas Consistency with Preoperative Magnetic Resonance Elastography. Journal of Neurological Surgery, Part B: Skull Base, 2020, 81, .	0.4	O
38	The benefit of high-performance gradients on echo planar imaging for BOLD-based resting-state functional MRI. Physics in Medicine and Biology, 2020, 65, 235024.	1.6	6
39	Carotid plaque vulnerability on magnetic resonance imaging and risk of future ischemic events: a systematic review and meta-analysis. Journal of Neurosurgical Sciences, 2020, 64, 480-486.	0.3	5
40	Is Hemispheric Hypoperfusion a Treatable Cause of Cognitive Impairment?. Current Cardiology Reports, 2019, 21, 4.	1.3	17
41	Common Data Elements for Radiological Imaging of Patients with Subarachnoid Hemorrhage: Proposal of a Multidisciplinary Research Group. Neurocritical Care, 2019, 30, 60-78.	1.2	17
42	Model-Based Iterative Reconstruction for Echo Planar Imaging: Methods and Applications. , 2019, , .		0
43	Cerebrospinal fluid dynamics disorders. Neurology, 2019, 93, e2237-e2246.	1.5	19
44	Cerebral microbleeds. Neurology, 2019, 92, e253-e262.	1.5	53
45	Primary central nervous system vasculitis mimicking brain tumor: Comprehensive analysis of 13 cases from a single institutional cohort of 191 cases. Journal of Autoimmunity, 2019, 97, 22-28.	3.0	20
46	MR elastography of the brain and its application in neurological diseases. NeuroImage, 2019, 187, 176-183.	2.1	125
47	Abstract TP582: A Multi-Site Validation of MRI Biomarkers of Vascular Leak and Hemorrhage for Forthcoming Clinical Trials. Stroke, 2019, 50, .	1.0	0
48	Diagnostic accuracy of a clinical carotid plaque MR protocol using a neurovascular coil compared to a surface coil protocol. Journal of Magnetic Resonance Imaging, 2018, 48, 1264-1272.	1.9	26
49	MR Elastography Analysis of Glioma Stiffness and <i>IDH1</i> Neuroradiology, 2018, 39, 31-36.	1.2	70
50	Timeâ€resolved contrastâ€enhanced MR angiography with singleâ€echo Dixon fat suppression. Magnetic Resonance in Medicine, 2018, 80, 1556-1567.	1.9	4
51	Primary central nervous system vasculitis associated with lymphoma. Neurology, 2018, 90, e847-e855.	1.5	22
52	Lightweight, compact, and highâ€performance 3 <scp>T MR</scp> system for imaging the brain and extremities. Magnetic Resonance in Medicine, 2018, 80, 2232-2245.	1.9	70
53	Acute pressure changes in the brain are correlated with MR elastography stiffness measurements: initial feasibility in an in vivo large animal model. Magnetic Resonance in Medicine, 2018, 79, 1043-1051.	1.9	35
54	The effect of concomitant fields in fast spin echo acquisition on asymmetric MRI gradient systems. Magnetic Resonance in Medicine, 2018, 79, 1354-1364.	1.9	9

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55	Reduced acoustic noise in diffusion tensor imaging on a compact <scp>MRI</scp> system. Magnetic Resonance in Medicine, 2018, 79, 2902-2911.	1.9	6
56	Magnetizationâ€prepared shells trajectory with automated gradient waveform design. Magnetic Resonance in Medicine, 2018, 79, 2024-2035.	1.9	3
57	Artificial neural networks for stiffness estimation in magnetic resonance elastography. Magnetic Resonance in Medicine, 2018, 80, 351-360.	1.9	40
58	Improving apparent diffusion coefficient accuracy on a compact 3T MRI scanner using gradient nonlinearity correction. Journal of Magnetic Resonance Imaging, 2018, 48, 1498-1507.	1.9	13
59	Stiffness and Beyond. Topics in Magnetic Resonance Imaging, 2018, 27, 305-318.	0.7	53
60	In vivo characterization of 3D skull and brain motion during dynamic head vibration using magnetic resonance elastography. Magnetic Resonance in Medicine, 2018, 80, 2573-2585.	1.9	15
61	Carotid revascularization and medical management for asymptomatic carotid stenosis – Hemodynamics (CREST-H): Study design and rationale. International Journal of Stroke, 2018, 13, 985-991.	2.9	41
62	Heritability of circle of Willis variations in families with intracranial aneurysms. PLoS ONE, 2018, 13, e0191974.	1.1	9
63	Decreased vessel wall enhancement as a biomarker for response to corticosteroids in a patient with CNS vasculitis. Journal of Neurosurgical Sciences, 2018, 63, 100-101.	0.3	2
64	Clinical Correlation of Abnormal Findings on Magnetic Resonance Elastography in Idiopathic Normal Pressure Hydrocephalus. World Neurosurgery, 2017, 99, 695-700.e1.	0.7	36
65	The association between carotid intraplaque hemorrhage and outcomes of carotid stenting: a systematic review and meta-analysis. Journal of NeuroInterventional Surgery, 2017, 9, 837-842.	2.0	20
66	Carotid Plaque Lipid Content and Fibrous Cap Status Predict Systemic CV Outcomes. JACC: Cardiovascular Imaging, 2017, 10, 241-249.	2.3	82
67	The effects of statin therapy on carotid plaque composition and volume: A systematic review and meta-analysis. Journal of Neuroradiology, 2017, 44, 234-240.	0.6	35
68	Carotid revascularization and medical management for asymptomatic carotid stenosis: Protocol of the CREST-2 clinical trials. International Journal of Stroke, 2017, 12, 770-778.	2.9	162
69	MR Elastography Demonstrates Unique Regional Brain Stiffness Patterns in Dementias. American Journal of Roentgenology, 2017, 209, 403-408.	1.0	68
70	Prevalence and predictors of intracranial aneurysms in patients with bicuspid aortic valve. Heart, 2017, 103, 1508-1514.	1.2	29
71	Noninvasive characterization of carotid plaque strain. Journal of Vascular Surgery, 2017, 65, 1653-1663.	0.6	11
72	Slip interface imaging based on MRâ€elastography preoperatively predicts meningioma–brain adhesion. Journal of Magnetic Resonance Imaging, 2017, 46, 1007-1016.	1.9	44

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73	Intracranial vessel wall imaging for evaluation of steno-occlusive diseases and intracranial aneurysms. Journal of Neuroradiology, 2017, 44, 123-134.	0.6	17
74	Gradient pre-emphasis to counteract first-order concomitant fields on asymmetric MRI gradient systems. Magnetic Resonance in Medicine, 2017, 77, 2250-2262.	1.9	30
75	Peripheral nerve stimulation characteristics of an asymmetric headâ€only gradient coil compatible with a highâ€channelâ€count receiver array. Magnetic Resonance in Medicine, 2016, 76, 1939-1950.	1.9	55
76	Partial fourier and parallel <scp>MR</scp> image reconstruction with integrated gradient nonlinearity correction. Magnetic Resonance in Medicine, 2016, 75, 2534-2544.	1.9	12
77	Technical Note: Compact threeâ€tesla magnetic resonance imager with highâ€performance gradients passes ACR image quality and acoustic noise tests. Medical Physics, 2016, 43, 1259-1264.	1.6	23
78	Magnetic resonance elastography (MRE) of the human brain: technique, findings and clinical applications. Physics in Medicine and Biology, 2016, 61, R401-R437.	1.6	176
79	Magnetic resonance elastography of frontotemporal dementia. Journal of Magnetic Resonance Imaging, 2016, 43, 474-478.	1.9	56
80	Regional brain stiffness changes across the Alzheimer's disease spectrum. NeuroImage: Clinical, 2016, 10, 283-290.	1.4	152
81	MR Elastography Demonstrates Increased Brain Stiffness in Normal Pressure Hydrocephalus. American Journal of Neuroradiology, 2016, 37, 462-467.	1.2	77
82	High slewâ€rate headâ€only gradient for improving distortion in echo planar imaging: Preliminary experience. Journal of Magnetic Resonance Imaging, 2016, 44, 653-664.	1.9	53
83	Adenoid Cystic Carcinoma Metastatic to the Pituitary: A Case Report and Discussion of Potential Diagnostic Value of Magnetic Resonance Elastography in Pituitary Tumors. World Neurosurgery, 2016, 91, 669.e11-669.e14.	0.7	10
84	Magnetic resonance elastography detects tumoral consistency in pituitary macroadenomas. Pituitary, 2016, 19, 286-292.	1.6	56
85	Interobserver variability of aneurysm morphology: discrimination of the daughter sac. Journal of NeuroInterventional Surgery, 2016, 8, 38-41.	2.0	20
86	Magnetic resonance elastography of frontotemporal dementia. Journal of Magnetic Resonance Imaging, 2016, 43, spcone.	1.9	2
87	NonCartesian MR image reconstruction with integrated gradient nonlinearity correction. Medical Physics, 2015, 42, 7190-7201.	1.6	17
88	Integrated image reconstruction and gradient nonlinearity correction. Magnetic Resonance in Medicine, 2015, 74, 1019-1031.	1.9	42
89	Higher-Resolution Magnetic Resonance Elastography in Meningiomas to Determine Intratumoral Consistency. Neurosurgery, 2015, 77, 653-659.	0.6	87
90	Ice Hockey Summit II: Zero Tolerance for Head Hits and Fighting. PM and R, 2015, 7, 283-295.	0.9	6

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91	Measuring the effects of aging and sex on regional brain stiffness with MR elastography in healthy older adults. Neurolmage, 2015, 111, 59-64.	2.1	183
92	Mycophenolate mofetil in primary central nervous system vasculitis. Seminars in Arthritis and Rheumatism, 2015, 45, 55-59.	1.6	30
93	Slip Interface Imaging Predicts Tumor-Brain Adhesion in Vestibular Schwannomas. Radiology, 2015, 277, 507-517.	3.6	45
94	Reply to â€~Comment on "Appropriate MRI sequences for lead localization after deep brain stimulation surgeryâ€â€™. Journal of Clinical Neuroscience, 2014, 21, 2258.	0.8	0
95	An angiographic atlas of intracranial arterial diameters associated with cerebral aneurysms. Journal of NeuroInterventional Surgery, 2014, 6, 533-535.	2.0	3
96	Clinical Factors Associated With High-Risk Carotid Plaque Features as Assessed by Magnetic Resonance Imaging in Patients With Established Vascular Disease (from the AlM-HIGH Study). American Journal of Cardiology, 2014, 114, 1412-1419.	0.7	33
97	Aberrant posterior inferior cerebellar artery injury with C1 lateral mass screw placement: a case report and review of the literature. Spine Journal, 2014, 14, e7-e14.	0.6	9
98	Magnetic Resonance Elastography of the Brain. , 2014, , 89-98.		3
99	Preoperative assessment of meningioma stiffness using magnetic resonance elastography. Journal of Neurosurgery, 2013, 118, 643-648.	0.9	137
100	Measuring the Characteristic Topography of Brain Stiffness with Magnetic Resonance Elastography. PLoS ONE, 2013, 8, e81668.	1.1	125
101	Current State-of-the-Art 1.5 T and 3 T Extracranial Carotid Contrast-Enhanced Magnetic Resonance Angiography. Neuroimaging Clinics of North America, 2012, 22, 235-257.	0.5	8
102	Decreased brain stiffness in Alzheimer's disease determined by magnetic resonance elastography. Journal of Magnetic Resonance Imaging, 2011, 34, 494-498.	1.9	277
103	Direct visualization of Parkinson's disease by in vivo human brain imaging using 7.0T magnetic resonance imaging. Movement Disorders, 2011, 26, 713-718.	2.2	77
104	Contrastâ€enhanced intracranial magnetic resonance angiography with a spherical shells trajectory and online gridding reconstruction. Journal of Magnetic Resonance Imaging, 2009, 30, 1101-1109.	1.9	6
105	Intracranial contrastâ€enhanced magnetic resonance venography with 6.4â€fold sensitivity encoding at 1.5 and 3.0 Tesla. Journal of Magnetic Resonance Imaging, 2008, 27, 653-658.	1.9	12
106	Screening for brain aneurysm in the Familial Intracranial Aneurysm study: frequency and predictors of lesion detection. Journal of Neurosurgery, 2008, 108, 1132-1138.	0.9	103
107	Head and Neck MRA at 3.0T. Current Protocols in Magnetic Resonance Imaging, 2008, 15, A7.8.1.	0.0	0
108	Specificity of MR Angiography as a Confirmatory Test for Carotid Artery Stenosis: Is It Valid?. American Journal of Roentgenology, 2007, 188, 1114-1116.	1.0	9

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109	Primary central nervous system vasculitis: analysis of 101 patients. Annals of Neurology, 2007, 62, 442-451.	2.8	543
110	Extracranial Carotid MR Imaging at 3T. Magnetic Resonance Imaging Clinics of North America, 2006, 14, 109-121.	0.6	30
111	Undersampled elliptical centric view-order for improved spatial resolution in contrast-enhanced MR angiography. Magnetic Resonance in Medicine, 2006, 55, 50-58.	1.9	31
112	MR angiography fusion technique for treatment planning of intracranial arteriovenous malformations. Journal of Magnetic Resonance Imaging, 2006, 23, 361-369.	1.9	12
113	Imaging artifacts at 3.0T. Journal of Magnetic Resonance Imaging, 2006, 24, 735-746.	1.9	233
114	3.0-Tesla MR angiography of intracranial aneurysms: Comparison of time-of-flight and contrast-enhanced techniques. Journal of Magnetic Resonance Imaging, 2005, 21, 97-102.	1.9	51
115	Feasibility of in vivo, multicontrast-weighted MR imaging of carotid atherosclerosis for multicenter studies. Journal of Magnetic Resonance Imaging, 2005, 21, 809-817.	1.9	27
116	Sample Size Calculation for Clinical Trials Using Magnetic Resonance Imaging for the Quantitative Assessment of Carotid Atherosclerosis. Journal of Cardiovascular Magnetic Resonance, 2005, 7, 799-808.	1.6	105
117	Evaluation of Classic 2D Time-of-Flight MR Angiography in the Depiction of Severe Carotid Stenosis. American Journal of Roentgenology, 2004, 183, 787-793.	1.0	31
118	Improved venous suppression and spatial resolution with SENSE in elliptical centric 3D contrast-enhanced MR angiography. Magnetic Resonance in Medicine, 2004, 52, 761-765.	1.9	23
119	Evaluation and Management of Transient Ischemic Attack and Minor Cerebral Infarction. Mayo Clinic Proceedings, 2004, 79, 1071-1086.	1.4	29
120	Future Directions in Imaging of Neck and Brain Vessels. Journal of Neuro-Ophthalmology, 2004, 24, 283-284.	0.4	1
121	Improved image quality of intracranial aneurysms: 3.0-T versus 1.5-T time-of-flight MR angiography. American Journal of Neuroradiology, 2004, 25, 84-7.	1.2	99
122	Clinical profile of autosomal dominant polycystic liver disease. Hepatology, 2003, 37, 164-171.	3.6	197
123	Hybrid phased array for improved internal auditory canal imaging at 3.0-T MR. Journal of Magnetic Resonance Imaging, 2002, 16, 300-304.	1.9	9
124	Contrast-Enhanced Magnetic Resonance Angiography of the Cervical Vessels. Stroke, 2001, 32, 2282-2286.	1.0	99
125	Embedded MR fluoroscopy: High temporal resolution real-time imaging during high spatial resolution 3D MRA acquisition. Magnetic Resonance in Medicine, 2001, 46, 690-698.	1.9	16
126	High-resolution intracranial and cervical MRA at 3.0T: Technical considerations and initial experience. Magnetic Resonance in Medicine, 2001, 46, 955-962.	1.9	203

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127	Carotid Artery: Elliptic Centric Contrast-enhanced MR Angiography Compared with Conventional Angiography. Radiology, 2001, 218, 138-143.	3.6	137
128	A Theory on the Natural History of Colloid Cysts of the Third Ventricle. Neurosurgery, 2000, 46, 1077-1083.	0.6	118
129	Redefined Duplex Ultrasonographic Criteria for Diagnosis of Carotid Artery Stenosis. Mayo Clinic Proceedings, 2000, 75, 1133-1140.	1.4	83
130	Carotid Arteries: Maximizing Arterial to Venous Contrast in Fluoroscopically Triggered Contrast-enhanced MR Angiography with Elliptic Centric View Ordering. Radiology, 1999, 211, 265-273.	3.6	123
131	Theoretical limits of spatial resolution in elliptical-centric contrast-enhanced 3D-MRA. Magnetic Resonance in Medicine, 1999, 42, 1106-1116.	1.9	71
132	Arterial phase carotid and vertebral artery imaging in 3D contrast-enhanced MR angiography by combining fluoroscopic triggering with an elliptical centric acquisition order. Magnetic Resonance in Medicine, 1998, 40, 24-35.	1.9	83
133	T1-Weighted MR imaging of the brain using a fast inversion recovery pulse sequence. Journal of Magnetic Resonance Imaging, 1996, 6, 356-362.	1.9	27
134	Dynamic MR digital subtraction angiography using contrast enhancement, fast data acquisition, and complex subtraction. Magnetic Resonance in Medicine, 1996, 36, 551-556.	1.9	167