

John P Mugler

List of Publications by Year in descending order

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128
papers

10,963
citations

53751

45
h-index

30894

102
g-index

130
all docs

130
docs citations

130
times ranked

9321
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Hyperpolarized ³ He and ¹²⁹ Xe MR Imaging in Cystic Fibrosis Patients. Academic Radiology, 2022, 29, S82-S90.	1.3	8
2	Utilizing flip angle/TR equivalence to reduce breath hold duration in hyperpolarized ¹²⁹ Xe 1-point Dixon gas exchange imaging. Magnetic Resonance in Medicine, 2022, 87, 1490-1499.	1.9	8
3	The Impact of Optic Nerve Movement on Intracranial Radiation Treatment. Frontiers in Oncology, 2022, 12, 803329.	1.3	2
4	<scp>SPRINGâ€RIO TSE</scp> : <scp> 2D T ₂ â€Weighted </scp> Turbo <scp>Spinâ€Echo</scp> brainâ€imaging using <scp>SPiral RINGs</scp> with retraced in/out trajectories. Magnetic Resonance in Medicine, 2022, , .	1.9	3
5	Characterisation of gas exchange in COPD with dissolved-phase hyperpolarised xenon-129 MRI. Thorax, 2021, 76, 178-181.	2.7	16
6	3D fast low-angle shot (FLASH) technique for 3T contrast-enhanced brain MRI in the inpatient and emergency setting: comparison with 3D magnetization-prepared rapid gradient echo (MPRAGE) technique. Neuroradiology, 2021, 63, 897-904.	1.1	6
7	Measures of ventilation heterogeneity mapped with hyperpolarized heliumâ€3 MRI demonstrate a T2â€high phenotype in asthma. Pediatric Pulmonology, 2021, 56, 1440-1448.	1.0	4
8	Development and Evaluation of Deep Learning-Accelerated Single-Breath-Hold Abdominal HASTE at 3 T Using Variable Refocusing Flip Angles. Investigative Radiology, 2021, 56, 645-652.	3.5	26
9	Imageâ€versus histogramâ€based considerations in semantic segmentation of pulmonary hyperpolarized gas images. Magnetic Resonance in Medicine, 2021, 86, 2822-2836.	1.9	6
10	Protocols for multiâ€site trials using hyperpolarized ¹²⁹ Xe MRI for imaging of ventilation, alveolarâ€airspace size, and gas exchange: A position paper from the ¹²⁹Xe MRI clinical trials consortium. Magnetic Resonance in Medicine, 2021, 86, 2966-2986.	1.9	35
11	Evaluation of Regional Lung Function in Pulmonary Fibrosis with Xenon-129 MRI. Tomography, 2021, 7, 452-465.	0.8	11
12	Characterizing Gas Exchange Physiology in Healthy Young Electronic-Cigarette Users with Hyperpolarized ¹²⁹ Xe MRI: A Pilot Study. International Journal of COPD, 2021, Volume 16, 3183-3187.	0.9	2
13	Emphysema Index Based on Hyperpolarized ³He or ¹²⁹Xe Diffusion MRI: Performance and Comparison with Quantitative CT and Pulmonary Function Tests. Radiology, 2020, 297, 201-210.	3.6	20
14	Single-Session Bronchial Thermoplasty Guided by ¹²⁹Xe Magnetic Resonance Imaging. A Pilot Randomized Controlled Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 524-534.	2.5	52
15	Probing Changes in Lung Physiology in COPD Using CT, Perfusion MRI, and Hyperpolarized Xenon-129 MRI. Academic Radiology, 2019, 26, 326-334.	1.3	23
16	A thermally polarized ¹²⁹ Xe phantom for quality assurance in multiâ€center hyperpolarized gas MRI studies. Magnetic Resonance in Medicine, 2019, 82, 1961-1968.	1.9	5
17	A hybrid proton and hyperpolarized gas tagging MRI technique for lung respiratory motion imaging: a feasibility study. Physics in Medicine and Biology, 2019, 64, 105019.	1.6	2
18	Convolutional Neural Networks with Template-Based Data Augmentation for Functional Lung Image Quantification. Academic Radiology, 2019, 26, 412-423.	1.3	51

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19	Using Hyperpolarized Xenon-129 MRI to Quantify Early-Stage Lung Disease in Smokers. Academic Radiology, 2019, 26, 355-366.	1.3	24
20	Motion-compensated reconstruction of magnetic resonance images from undersampled data. Magnetic Resonance Imaging, 2019, 55, 36-45.	1.0	2
21	Hybrid T_2 - and T_1 -weighted radial acquisition for free-breathing abdominal examination. Magnetic Resonance in Medicine, 2018, 80, 1935-1948.	1.9	14
22	An initial investigation of hyperpolarized gas tagging magnetic resonance imaging in evaluating deformable image registration-based lung ventilation. Medical Physics, 2018, 45, 5535-5542.	1.6	4
23	Signal-to-noise ratio, T_2 , and for hyperpolarized helium-3 MRI of the human lung at three magnetic field strengths. Magnetic Resonance in Medicine, 2017, 78, 1458-1463.	1.9	12
24	Use of hyperpolarized helium-3 MRI to assess response to ivacaftor treatment in patients with cystic fibrosis. Journal of Cystic Fibrosis, 2017, 16, 267-274.	0.3	64
25	Hyperpolarized helium-3 magnetic resonance lung imaging of non-sedated infants and young children: a proof-of-concept study. Clinical Imaging, 2017, 45, 105-110.	0.8	31
26	Hyperpolarized Helium-3 Diffusion-weighted Magnetic Resonance Imaging Detects Abnormalities of Lung Structure in Children With Bronchopulmonary Dysplasia. Journal of Thoracic Imaging, 2017, 32, 323-332.	0.8	25
27	Detecting pulmonary capillary blood pulsations using hyperpolarized xenon-129 chemical shift saturation recovery (CSSR) MR spectroscopy. Magnetic Resonance in Medicine, 2016, 75, 1771-1780.	1.9	28
28	Atlas-based estimation of lung and lobar anatomy in proton MRI. Magnetic Resonance in Medicine, 2016, 76, 315-320.	1.9	22
29	Hyperpolarized Gas Magnetic Resonance Lung Imaging in Children and Young Adults. Journal of Thoracic Imaging, 2016, 31, 285-295.	0.8	12
30	Clinical correlates of lung ventilation defects in asthmatic children. Journal of Allergy and Clinical Immunology, 2016, 137, 789-796.e7.	1.5	43
31	Rapid acquisition of helium-3 and proton three-dimensional image sets of the human lung in a single breath-hold using compressed sensing. Magnetic Resonance in Medicine, 2015, 74, 1110-1115.	1.9	17
32	3D-MR Ductography and Contrast-Enhanced MR Mammography in Patients with Suspicious Nipple Discharge; a Feasibility Study. Breast Journal, 2015, 21, 352-362.	0.4	17
33	Regional anisotropy of airspace orientation in the lung as assessed with hyperpolarized helium-3 diffusion MRI. Journal of Magnetic Resonance Imaging, 2015, 42, 1777-1782.	1.9	10
34	Noncontrast peripheral MRA with spiral echo train imaging. Magnetic Resonance in Medicine, 2015, 73, 1026-1033.	1.9	8
35	Rapid 3D dynamic arterial spin labeling with a sparse model-based image reconstruction. NeuroImage, 2015, 121, 205-216.	2.1	27
36	Assessment of lung function in asthma and COPD using hyperpolarized ^{129}Xe chemical shift saturation recovery spectroscopy and dissolved-phase MRI. NMR in Biomedicine, 2014, 27, 1490-1501.	1.6	93

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37	Refocused turbo spin-echo for noncontrast peripheral MR angiography. Journal of Magnetic Resonance Imaging, 2014, 39, 1468-1476.	1.9	1
38	Lung injury induced by secondhand smoke exposure detected with hyperpolarized helium-3 diffusion MR. Journal of Magnetic Resonance Imaging, 2014, 39, 77-84.	1.9	17
39	Regional mapping of gas uptake by blood and tissue in the human lung using hyperpolarized xenon-129 MRI. Journal of Magnetic Resonance Imaging, 2014, 39, 346-359.	1.9	149
40	Very-low-field MRI of laser polarized xenon-129. Journal of Magnetic Resonance, 2014, 249, 108-117.	1.2	9
41	Pulmonary toxicity in a rabbit model of stereotactic lung radiation therapy: Efficacy of a radioprotector. Experimental Lung Research, 2014, 40, 308-316.	0.5	1
42	Optimized three-dimensional fast spin-echo MRI. Journal of Magnetic Resonance Imaging, 2014, 39, 745-767.	1.9	292
43	Advances in functional and structural imaging of the human lung using proton MRI. NMR in Biomedicine, 2014, 27, 1542-1556.	1.6	49
44	Hyperpolarized ¹²⁹ Xe MRI of the human lung. Journal of Magnetic Resonance Imaging, 2013, 37, 313-331.	1.9	279
45	Longitudinal assessment of treatment effects on pulmonary ventilation using 1H/3He MRI multivariate templates. , 2013, , .		0
46	32-channel phased-array receive with asymmetric birdcage transmit coil for hyperpolarized xenon-129 lung imaging. Magnetic Resonance in Medicine, 2013, 70, 576-583.	1.9	22
47	Hyperpolarized xenon-129 3D-Chemical Shift Imaging of the lung in subjects with a history of smoke exposure. Proceedings of the International Society for Magnetic Resonance in Medicine ... Scientific Meeting and Exhibition., 2013, , 1450.	0.5	2
48	4-D segmentation and normalization of 3He MR images for intrasubject assessment of ventilated lung volumes. Proceedings of SPIE, 2012, , .	0.8	0
49	Multiple-exchange-time xenon polarization transfer contrast (MXTC) MRI: Initial results in animals and healthy volunteers. Magnetic Resonance in Medicine, 2012, 67, 943-953.	1.9	42
50	Characterization and Detection of Physiologic Lung Changes Before and After Placement of Bronchial Valves Using Hyperpolarized Helium-3 MR Imaging. Academic Radiology, 2011, 18, 1195-1199.	1.3	9
51	Hyperpolarized Xenon-129 gas-exchange imaging of lung microstructure: First case studies in subjects with obstructive lung disease. Journal of Magnetic Resonance Imaging, 2011, 33, 1052-1062.	1.9	85
52	Ventilation-based segmentation of the lungs using hyperpolarized ³ He MRI. Journal of Magnetic Resonance Imaging, 2011, 34, 831-841.	1.9	59
53	Healthy Nonsmokers Exposed Regularly To Secondhand Smoke Have Evidence Of Lung Injury Detected By Hyperpolarized Helium-3 Diffusion MRI. , 2010, , .		0
54	Dependence Of The Xenon-129 Gas-Exchange Efficiency On The Ventilation Volume. , 2010, , .		0

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55	Relationship In Smokers Between Lung Function And Lung Structure As Measured By Hyperpolarized Helium-3 MRI. , 2010, , .		0
56	Time-resolved and high-resolution MRA in a rabbit model of pulmonary embolism at 7 T: preliminary results. Magnetic Resonance Imaging, 2010, 28, 139-145.	1.0	7
57	Pulmonary kinematics from tagged hyperpolarized helium-3 MRI. Journal of Magnetic Resonance Imaging, 2010, 31, 1236-1241.	1.9	20
58	Feature analysis of hyperpolarized helium-3 pulmonary MRI: A study of asthmatics versus nonasthmatics. Magnetic Resonance in Medicine, 2010, 63, 1448-1455.	1.9	43
59	Lung Function Imaging With Hyperpolarized Xenon MRI In Asthmatics. , 2010, , .		0
60	Magnetic Resonance Imaging of Carotid Atherosclerotic Plaque in Clinically Suspected Acute Transient Ischemic Attack and Acute Ischemic Stroke. Circulation, 2010, 122, 2031-2038.	1.6	83
61	Simultaneous magnetic resonance imaging of ventilation distribution and gas uptake in the human lung using hyperpolarized xenon-129. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21707-21712.	3.3	176
62	A short-breath-hold technique for lung pO_2 mapping with 3He MRI. Magnetic Resonance in Medicine, 2010, 63, 127-136.	1.9	44
63	Changes in Regional Airflow Obstruction over Time in the Lungs of Patients with Asthma: Evaluation with 3He MR Imaging. Radiology, 2009, 250, 567-575.	3.6	147
64	Reduction of B_1 sensitivity in selective single-slab 3d turbo spin echo imaging with very long echo trains. Magnetic Resonance in Medicine, 2009, 62, 1060-1066.	1.9	12
65	Assessment of in vitro vs. in vivo lung structure using hyperpolarized helium-3 diffusion magnetic resonance imaging. Magnetic Resonance Imaging, 2009, 27, 845-851.	1.0	4
66	A Rabbit Irradiation Platform for Outcome Assessment of Lung Stereotactic Radiosurgery. International Journal of Radiation Oncology Biology Physics, 2009, 73, 1588-1595.	0.4	10
67	Dynamic MRI of Grid-Tagged Hyperpolarized Helium-3 for the Assessment of Lung Motion During Breathing. International Journal of Radiation Oncology Biology Physics, 2009, 75, 276-284.	0.4	40
68	The Alzheimer's disease neuroimaging initiative (ADNI): MRI methods. Journal of Magnetic Resonance Imaging, 2008, 27, 685-691.	1.9	2,553
69	Assessment of the lung microstructure in patients with asthma using hyperpolarized 3He diffusion MRI at two time scales: Comparison with healthy subjects and patients with COPD. Journal of Magnetic Resonance Imaging, 2008, 28, 80-88.	1.9	80
70	Extending the range of diffusion times for regional measurement of the 3He ADC in human lungs. Magnetic Resonance in Medicine, 2008, 59, 673-678.	1.9	13
71	Hyperpolarized 3He MR Imaging of the Lung: Effect of Subject Immobilization on the Occurrence of Ventilation Defects. Academic Radiology, 2008, 15, 260-264.	1.3	16
72	Helium-3 Diffusion MR Imaging of the Human Lung Over Multiple Time Scales. Academic Radiology, 2008, 15, 693-701.	1.3	20

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73	Simulations of Short-Time Diffusivity in Lung Airspaces and Implications for S/V Measurements Using Hyperpolarized-Gas MRI. IEEE Transactions on Medical Imaging, 2007, 26, 1456-1463.	5.4	17
74	Evaluation of emphysema severity and progression in a rabbit model: comparison of hyperpolarized ³ He and ¹²⁹ Xe diffusion MRI with lung morphometry. Journal of Applied Physiology, 2007, 102, 1273-1280.	1.2	91
75	The variability of regional airflow obstruction within the lungs of patients with asthma: Assessment with hyperpolarized helium-3 magnetic resonance imaging. Journal of Allergy and Clinical Immunology, 2007, 119, 1072-1078.	1.5	161
76	XTC MRI: Sensitivity improvement through parameter optimization. Magnetic Resonance in Medicine, 2007, 57, 1099-1109.	1.9	25
77	Optimized T ₁ -weighted contrast for single-slab 3D turbo spin-echo imaging with long echo trains: Application to whole-brain imaging. Magnetic Resonance in Medicine, 2007, 58, 982-992.	1.9	70
78	Direct Measurement of Lung Motion Using Hyperpolarized Helium-3 MR Tagging. International Journal of Radiation Oncology Biology Physics, 2007, 68, 650-653.	0.4	24
79	Measurement of hyperpolarized gas diffusion at very short time scales. Journal of Magnetic Resonance, 2007, 189, 228-240.	1.2	14
80	Evaluation of Asthma With Hyperpolarized Helium-3 MRI. Chest, 2006, 130, 1055-1062.	0.4	261
81	Detection of lesions in multiple sclerosis by 2D FLAIR and single-slab 3D FLAIR sequences at 3.0 T: initial results. European Radiology, 2006, 16, 1104-1110.	2.3	78
82	Time dependence of ³ He diffusion in the human lung: Measurement in the long-time regime using stimulated echoes. Magnetic Resonance in Medicine, 2006, 56, 296-309.	1.9	51
83	Assessment of lung development using hyperpolarized helium-3 diffusion MR imaging. Journal of Magnetic Resonance Imaging, 2006, 24, 1277-1283.	1.9	86
84	Human Gray Matter: Feasibility of Single-Slab 3D Double Inversion-Recovery High-Spatial-Resolution MR Imaging. Radiology, 2006, 241, 873-879.	3.6	84
85	Magnetic Resonance Imaging of the Body Trunk Using a Single-Slab, 3-Dimensional, T2-weighted Turbo-Spin-Echo Sequence With High Sampling Efficiency (SPACE) for High Spatial Resolution Imaging. Investigative Radiology, 2005, 40, 754-760.	3.5	179
86	Hyperpolarized ³ He lung imaging at 0.5 and 1.5 Tesla: A study of susceptibility-induced effects. Magnetic Resonance in Medicine, 2005, 53, 212-216.	1.9	26
87	Detection of Age-Dependent Changes in Healthy Adult Lungs With Diffusion-Weighted ³ He MRI. Academic Radiology, 2005, 12, 1385-1393.	1.3	117
88	Functional MRI of the lung using hyperpolarized 3-helium gas. Journal of Magnetic Resonance Imaging, 2004, 20, 540-554.	1.9	238
89	Exploring lung function with hyperpolarized ¹²⁹ Xe nuclear magnetic resonance. Magnetic Resonance in Medicine, 2004, 51, 676-687.	1.9	113
90	Rapid hyperpolarized ³ He diffusion MRI of healthy and emphysematous human lungs using an optimized interleaved-spiral pulse sequence. Journal of Magnetic Resonance Imaging, 2003, 17, 581-588.	1.9	47

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91	Imaging the lungs in asthmatic patients by using hyperpolarized helium-3 magnetic resonance: Assessment of response to methacholine and exercise challenge. <i>Journal of Allergy and Clinical Immunology</i> , 2003, 111, 1205-1211.	1.5	307
92	Emphysema: Hyperpolarized Helium 3 Diffusion MR Imaging of the Lungs Compared with Spirometric Indexes—Initial Experience. <i>Radiology</i> , 2002, 222, 252-260.	3.6	302
93	Quantitative analysis of MRI signal abnormalities of brain white matter with high reproducibility and accuracy. <i>Journal of Magnetic Resonance Imaging</i> , 2002, 15, 203-209.	1.9	118
94	Hyperpolarized noble gas MR imaging of the lung: Potential clinical applications. <i>European Journal of Radiology</i> , 2001, 40, 33-44.	1.2	98
95	Hyperpolarized ³ He MR lung ventilation imaging in asthmatics: Preliminary findings. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 378-384.	1.9	316
96	Dynamic spiral MRI of pulmonary gas flow using hyperpolarized ³ He: Preliminary studies in healthy and diseased lungs. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 667-677.	1.9	187
97	Suppression of Cerebrospinal Fluid and Blood Flow Artifacts in FLAIR MR Imaging with a Single-Slab Three-dimensional Pulse Sequence: Initial Experience. <i>Radiology</i> , 2001, 221, 251-255.	3.6	86
98	Magnetic resonance hystero-graphy and hysterosalpingography using hyperpolarized ³ He: Demonstration of feasibility in an animal model. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 1009-1013.	1.9	6
99	Probing lung physiology with xenon polarization transfer contrast (XTC). <i>Magnetic Resonance in Medicine</i> , 2000, 44, 349-357.	1.9	163
100	NMR of hyperpolarized ¹²⁹ Xe in the canine chest: spectral dynamics during a breath-hold. <i>NMR in Biomedicine</i> , 2000, 13, 220-228.	1.6	86
101	Optimized Single-Slab Three-dimensional Spin-Echo MR Imaging of the Brain. <i>Radiology</i> , 2000, 216, 891-899.	3.6	286
102	MRI-guided needle localization: Technique. <i>Seminars in Ultrasound, CT and MRI</i> , 2000, 21, 337-350.	0.7	13
103	Lung Air Spaces: MR Imaging Evaluation with Hyperpolarized ³ He Gas. <i>Radiology</i> , 1999, 210, 851-857.	3.6	254
104	Spin-echo planar spectroscopic imaging for fast lipid characterization in bone marrow. <i>Magnetic Resonance Imaging</i> , 1999, 17, 1203-1210.	1.0	11
105	Improved three-dimensional GRASE imaging with the SORT phase-encoding strategy. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 9, 604-612.	1.9	25
106	OVERVIEW OF MR IMAGING PULSE SEQUENCES. <i>Magnetic Resonance Imaging Clinics of North America</i> , 1999, 7, 661-697.	0.6	22
107	The Stripe Sign. <i>Clinical Nuclear Medicine</i> , 1999, 24, 747.	0.7	5
108	Polarized noble gas MRI. , 1998, , .		0

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109	MR imaging and spectroscopy using hyperpolarized ¹²⁹ Xe gas: Preliminary human results. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 809-815.	1.9	319
110	Spoiling of transverse magnetization in gradient-echo (GRE) imaging during the approach to steady state. <i>Magnetic Resonance in Medicine</i> , 1996, 35, 237-245.	1.9	47
111	Off-resonance image artifacts in interleaved-EPI and GRASE pulse sequences. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 306-313.	1.9	24
112	Csf-suppressed t2-weighted three-dimensional mp-rage MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1995, 5, 463-469.	1.9	17
113	Improved T1-weighted two-dimensional MP-GRE imaging of the liver with variable flip angles for shaping the signal evolution. <i>Journal of Magnetic Resonance Imaging</i> , 1994, 4, 91-98.	1.9	5
114	Optimization of parameter values for complex pulse sequences by simulated annealing: Application to 3D MP-RAGE imaging of the brain. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 164-177.	1.9	24
115	Three-dimensional time-of-flight MR angiography using selective inversion recovery RAGE with fat saturation and ECG-triggering: Application to renal arteries. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 414-422.	1.9	49
116	Theoretical analysis of gadopentetate dimeglumine enhancement in T1-weighted imaging of the brain: Comparison of two-dimensional spin-echo and three-dimensional gradient-echo sequences. <i>Journal of Magnetic Resonance Imaging</i> , 1993, 3, 761-769.	1.9	51
117	The design of pulse sequences employing spatial presaturation for the suppression of flow artifacts. <i>Magnetic Resonance in Medicine</i> , 1992, 23, 201-214.	1.9	9
118	Shaping the Signal Response during the Approach to Steady State in Three-Dimensional Magnetization-Prepared Rapid Gradient-Echo Imaging Using Variable Flip Angles. <i>Magnetic Resonance in Medicine</i> , 1992, 28, 165-185.	1.9	64
119	Selective versus nonselective preparation pulses in two-dimensional MP-RAGE imaging of the liver. <i>Journal of Magnetic Resonance Imaging</i> , 1992, 2, 355-358.	1.9	6
120	Magnetization Prepared Rapid Gradient-Echo (MP-RAGE) MR imaging of the liver: Comparison with spin-echo imaging. <i>Magnetic Resonance Imaging</i> , 1991, 9, 469-476.	1.0	35
121	Potential degradation in image quality due to selective averaging of phase-encoding lines in Fourier transform MRI. <i>Magnetic Resonance in Medicine</i> , 1991, 19, 170-174.	1.9	9
122	Evaluation of a simple method for reconstructing asymmetrically sampled echo data. <i>Journal of Magnetic Resonance Imaging</i> , 1991, 1, 487-491.	1.9	9
123	Clinical comparison of three-dimensional MP-RAGE and FLASH techniques for MR imaging of the head. <i>Journal of Magnetic Resonance Imaging</i> , 1991, 1, 493-500.	1.9	33
124	Rapid three-dimensional T1-weighted MR imaging with the MP-RAGE sequence. <i>Journal of Magnetic Resonance Imaging</i> , 1991, 1, 561-567.	1.9	136
125	T2-weighted three-dimensional MP-RAGE MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1991, 1, 731-737.	1.9	39
126	Three-dimensional magnetization-prepared rapid gradient-echo imaging (3D MP RAGE). <i>Magnetic Resonance in Medicine</i> , 1990, 15, 152-157.	1.9	1,092

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127	Magnetization-prepared rapid gradient echo (MP-RAGE) magnetic resonance imaging of Morgagni's hernia. <i>European Journal of Radiology</i> , 1990, 11, 196-199.	1.2	5
128	Implementation of mixed bandwidth MRI pulse sequences using a single analog lowpass filter. <i>Magnetic Resonance Imaging</i> , 1989, 7, 487-493.	1.0	6