

# 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	The Alzheimer's disease neuroimaging initiative (ADNI): MRI methods. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 685-691.	1.9	2,553
2	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
3	MR imaging and spectroscopy using hyperpolarized <sup>129</sup> Xe gas: Preliminary human results. <i>Magnetic Resonance in Medicine</i> , 1997, 37, 809-815.	1.9	319
4	Hyperpolarized <sup>3</sup> He MR lung ventilation imaging in asthmatics: Preliminary findings. <i>Journal of Magnetic Resonance Imaging</i> , 2001, 13, 378-384.	1.9	316
5	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
6	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
7	Optimized three-dimensional fast spin-echo MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 745-767.	1.9	292
8	Optimized Single-Slab Three-dimensional Spin-Echo MR Imaging of the Brain. <i>Radiology</i> , 2000, 216, 891-899.	3.6	286
9	Hyperpolarized <sup>129</sup> Xe MRI of the human lung. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 313-331.	1.9	279
10	Evaluation of Asthma With Hyperpolarized Helium-3 MRI. <i>Chest</i> , 2006, 130, 1055-1062.	0.4	261
11	Lung Air Spaces: MR Imaging Evaluation with Hyperpolarized <sup>3</sup> He Gas. <i>Radiology</i> , 1999, 210, 851-857.	3.6	254
12	Functional MRI of the lung using hyperpolarized 3-helium gas. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 20, 540-554.	1.9	238
13	Dynamic spiral MRI of pulmonary gas flow using hyperpolarized <sup>3</sup> He: Preliminary studies in healthy and diseased lungs. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 667-677.	1.9	187
14	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. <i>Investigative Radiology</i> , 2005, 40, 754-760.	3.5	179
15	Simultaneous magnetic resonance imaging of ventilation distribution and gas uptake in the human lung using hyperpolarized xenon-129. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21707-21712.	3.3	176
16	Probing lung physiology with xenon polarization transfer contrast (XTC). <i>Magnetic Resonance in Medicine</i> , 2000, 44, 349-357.	1.9	163
17	The variability of regional airflow obstruction within the lungs of patients with asthma: Assessment with hyperpolarized helium-3 magnetic resonance imaging. <i>Journal of Allergy and Clinical Immunology</i> , 2007, 119, 1072-1078.	1.5	161
18	Regional mapping of gas uptake by blood and tissue in the human lung using hyperpolarized xenon <sup>129</sup> MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 346-359.	1.9	149

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19	Changes in Regional Airflow Obstruction over Time in the Lungs of Patients with Asthma: Evaluation with <sup>3</sup> He MR Imaging. <i>Radiology</i> , 2009, 250, 567-575.	3.6	147
20	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
21	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
22	Detection of Age-Dependent Changes in Healthy Adult Lungs With Diffusion-Weighted <sup>3</sup> He MRI. <i>Academic Radiology</i> , 2005, 12, 1385-1393.	1.3	117
23	Exploring lung function with hyperpolarized <sup>129</sup> Xe nuclear magnetic resonance. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 676-687.	1.9	113
24	Hyperpolarized noble gas MR imaging of the lung: Potential clinical applications. <i>European Journal of Radiology</i> , 2001, 40, 33-44.	1.2	98
25	Assessment of lung function in asthma and COPD using hyperpolarized <sup>129</sup> Xe chemical shift saturation recovery spectroscopy and dissolved-phase MRI. <i>NMR in Biomedicine</i> , 2014, 27, 1490-1501.	1.6	93
26	Evaluation of emphysema severity and progression in a rabbit model: comparison of hyperpolarized <sup>3</sup> He and <sup>129</sup> Xe diffusion MRI with lung morphometry. <i>Journal of Applied Physiology</i> , 2007, 102, 1273-1280.	1.2	91
27	NMR of hyperpolarized <sup>129</sup> Xe in the canine chest: spectral dynamics during a breath-hold. <i>NMR in Biomedicine</i> , 2000, 13, 220-228.	1.6	86
28	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
29	Assessment of lung development using hyperpolarized helium-3 diffusion MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2006, 24, 1277-1283.	1.9	86
30	Hyperpolarized Xenon- <sup>129</sup> gas exchange imaging of lung microstructure: First case studies in subjects with obstructive lung disease. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 33, 1052-1062.	1.9	85
31	Human Gray Matter: Feasibility of Single-Slab 3D Double Inversion-Recovery High-Spatial-Resolution MR Imaging. <i>Radiology</i> , 2006, 241, 873-879.	3.6	84
32	Magnetic Resonance Imaging of Carotid Atherosclerotic Plaque in Clinically Suspected Acute Transient Ischemic Attack and Acute Ischemic Stroke. <i>Circulation</i> , 2010, 122, 2031-2038.	1.6	83
33	Assessment of the lung microstructure in patients with asthma using hyperpolarized <sup>3</sup> He diffusion MRI at two time scales: Comparison with healthy subjects and patients with COPD. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 28, 80-88.	1.9	80
34	Detection of lesions in multiple sclerosis by 2D FLAIR and single-slab 3D FLAIR sequences at 3.0 T: initial results. <i>European Radiology</i> , 2006, 16, 1104-1110.	2.3	78
35	Optimized T <sub>1</sub> -weighted contrast for single-slab 3D turbo spin-echo imaging with long echo trains: Application to whole-brain imaging. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 982-992.	1.9	70
36	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

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37	Use of hyperpolarized helium-3 MRI to assess response to ivacaftor treatment in patients with cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2017, 16, 267-274.	0.3	64
38	Ventilation-based segmentation of the lungs using hyperpolarized <sup>3</sup> He MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 831-841.	1.9	59
39	Single-Session Bronchial Thermoplasty Guided by <sup>129</sup> Xe Magnetic Resonance Imaging. A Pilot Randomized Controlled Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 524-534.	2.5	52
40	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
41	Time dependence of <sup>3</sup> He diffusion in the human lung: Measurement in the long-time regime using stimulated echoes. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 296-309.	1.9	51
42	Convolutional Neural Networks with Template-Based Data Augmentation for Functional Lung Image Quantification. <i>Academic Radiology</i> , 2019, 26, 412-423.	1.3	51
43	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
44	Advances in functional and structural imaging of the human lung using proton MRI. <i>NMR in Biomedicine</i> , 2014, 27, 1542-1556.	1.6	49
45	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
46	Rapid hyperpolarized <sup>3</sup> He diffusion MRI of healthy and emphysematous human lungs using an optimized interleaved-spiral pulse sequence. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 17, 581-588.	1.9	47
47	A short-breath-hold technique for lung <i>p</i> <sub>2</sub> mapping with <sup>3</sup> He MRI. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 127-136.	1.9	44
48	Feature analysis of hyperpolarized helium- <sup>3</sup> pulmonary MRI: A study of asthmatics versus nonasthmatics. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1448-1455.	1.9	43
49	Clinical correlates of lung ventilation defects in asthmatic children. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 789-796.e7.	1.5	43
50	Multiple-exchange-time xenon polarization transfer contrast (MXTC) MRI: Initial results in animals and healthy volunteers. <i>Magnetic Resonance in Medicine</i> , 2012, 67, 943-953.	1.9	42
51	Dynamic MRI of Grid-Tagged Hyperpolarized Helium-3 for the Assessment of Lung Motion During Breathing. <i>International Journal of Radiation Oncology Biology Physics</i> , 2009, 75, 276-284.	0.4	40
52	T2-weighted three-dimensional MP-RAGE MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1991, 1, 731-737.	1.9	39
53	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
54	Protocols for multi-site trials using hyperpolarized <sup>129</sup> Xe MRI for imaging of ventilation, alveolar-airspace size, and gas exchange: A position paper from the <sup>129</sup> Xe MRI clinical trials consortium. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2966-2986.	1.9	35

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55	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
56	Hyperpolarized helium-3 magnetic resonance lung imaging of non-sedated infants and young children: a proof-of-concept study. <i>Clinical Imaging</i> , 2017, 45, 105-110.	0.8	31
57	Detecting pulmonary capillary blood pulsations using hyperpolarized xenon-129 chemical shift saturation recovery (CSSR) MR spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1771-1780.	1.9	28
58	Rapid 3D dynamic arterial spin labeling with a sparse model-based image reconstruction. <i>NeuroImage</i> , 2015, 121, 205-216.	2.1	27
59	Hyperpolarized <sup>3</sup> He lung imaging at 0.5 and 1.5 Tesla: A study of susceptibility-induced effects. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 212-216.	1.9	26
60	Development and Evaluation of Deep Learning-Accelerated Single-Breath-Hold Abdominal HASTE at 3 T Using Variable Refocusing Flip Angles. <i>Investigative Radiology</i> , 2021, 56, 645-652.	3.5	26
61	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
62	XTC MRI: Sensitivity improvement through parameter optimization. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 1099-1109.	1.9	25
63	Hyperpolarized Helium-3 Diffusion-weighted Magnetic Resonance Imaging Detects Abnormalities of Lung Structure in Children With Bronchopulmonary Dysplasia. <i>Journal of Thoracic Imaging</i> , 2017, 32, 323-332.	0.8	25
64	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
65	Off-resonance image artifacts in interleaved-EPI and GRASE pulse sequences. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 306-313.	1.9	24
66	Direct Measurement of Lung Motion Using Hyperpolarized Helium-3 MR Tagging. <i>International Journal of Radiation Oncology Biology Physics</i> , 2007, 68, 650-653.	0.4	24
67	Using Hyperpolarized Xenon-129 MRI to Quantify Early-Stage Lung Disease in Smokers. <i>Academic Radiology</i> , 2019, 26, 355-366.	1.3	24
68	Probing Changes in Lung Physiology in COPD Using CT, Perfusion MRI, and Hyperpolarized Xenon-129 MRI. <i>Academic Radiology</i> , 2019, 26, 326-334.	1.3	23
69	32-channel phased-array receive with asymmetric birdcage transmit coil for hyperpolarized xenon-129 lung imaging. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 576-583.	1.9	22
70	Atlas-based estimation of lung and lobar anatomy in proton MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 315-320.	1.9	22
71	OVERVIEW OF MR IMAGING PULSE SEQUENCES. <i>Magnetic Resonance Imaging Clinics of North America</i> , 1999, 7, 661-697.	0.6	22
72	Helium-3 Diffusion MR Imaging of the Human Lung Over Multiple Time Scales. <i>Academic Radiology</i> , 2008, 15, 693-701.	1.3	20

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73	Pulmonary kinematics from tagged hyperpolarized helium-3 MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2010, 31, 1236-1241.	1.9	20
74	Emphysema Index Based on Hyperpolarized <sup>3</sup> He or <sup>129</sup> Xe Diffusion MRI: Performance and Comparison with Quantitative CT and Pulmonary Function Tests. <i>Radiology</i> , 2020, 297, 201-210.	3.6	20
75	Csf-suppressed t2-weighted three-dimensional mp-rage MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1995, 5, 463-469.	1.9	17
76	Simulations of Short-Time Diffusivity in Lung Airspaces and Implications for S/V Measurements Using Hyperpolarized-Gas MRI. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 1456-1463.	5.4	17
77	Lung injury induced by secondhand smoke exposure detected with hyperpolarized helium-3 diffusion MR. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 77-84.	1.9	17
78	Rapid acquisition of helium-3 and proton three-dimensional image sets of the human lung in a single breath-hold using compressed sensing. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1110-1115.	1.9	17
79	3D-MR Ductography and Contrast-Enhanced MR Mammography in Patients with Suspicious Nipple Discharge; a Feasibility Study. <i>Breast Journal</i> , 2015, 21, 352-362.	0.4	17
80	Hyperpolarized 3He MR Imaging of the Lung: Effect of Subject Immobilization on the Occurrence of Ventilation Defects. <i>Academic Radiology</i> , 2008, 15, 260-264.	1.3	16
81	Characterisation of gas exchange in COPD with dissolved-phase hyperpolarised xenon-129 MRI. <i>Thorax</i> , 2021, 76, 178-181.	2.7	16
82	Measurement of hyperpolarized gas diffusion at very short time scales. <i>Journal of Magnetic Resonance</i> , 2007, 189, 228-240.	1.2	14
83	Hybrid T <sub>2</sub> - and T <sub>1</sub> -weighted radial acquisition for free-breathing abdominal examination. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1935-1948.	1.9	14
84	MRI-guided needle localization: Technique. <i>Seminars in Ultrasound, CT and MRI</i> , 2000, 21, 337-350.	0.7	13
85	Extending the range of diffusion times for regional measurement of the 3He ADC in human lungs. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 673-678.	1.9	13
86	Reduction of <i>B</i> <sub>1</sub> sensitivity in selective single-slab 3d turbo spin echo imaging with very long echo trains. <i>Magnetic Resonance in Medicine</i> , 2009, 62, 1060-1066.	1.9	12
87	Hyperpolarized Gas Magnetic Resonance Lung Imaging in Children and Young Adults. <i>Journal of Thoracic Imaging</i> , 2016, 31, 285-295.	0.8	12
88	Signal-to-noise ratio, T <sub>2</sub> , and for hyperpolarized helium-3 MRI of the human lung at three magnetic field strengths. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1458-1463.	1.9	12
89	Spin-echo planar spectroscopic imaging for fast lipid characterization in bone marrow. <i>Magnetic Resonance Imaging</i> , 1999, 17, 1203-1210.	1.0	11
90	Evaluation of Regional Lung Function in Pulmonary Fibrosis with Xenon-129 MRI. <i>Tomography</i> , 2021, 7, 452-465.	0.8	11

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91	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
92	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
93	Potential degradation in image quality due to selective averaging of phase-encoding lines in Fourier transform MRI. Magnetic Resonance in Medicine, 1991, 19, 170-174.	1.9	9
94	Evaluation of a simple method for reconstructing asymmetrically sampled echo data. Journal of Magnetic Resonance Imaging, 1991, 1, 487-491.	1.9	9
95	The design of pulse sequences employing spatial presaturation for the suppression of flow artifacts. Magnetic Resonance in Medicine, 1992, 23, 201-214.	1.9	9
96	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
97	Very-low-field MRI of laser polarized xenon-129. Journal of Magnetic Resonance, 2014, 249, 108-117.	1.2	9
98	Noncontrast peripheral MRA with spiral echo train imaging. Magnetic Resonance in Medicine, 2015, 73, 1026-1033.	1.9	8
99	Comparison of Hyperpolarized 3He and 129Xe MR Imaging in Cystic Fibrosis Patients. Academic Radiology, 2022, 29, S82-S90.	1.3	8
100	Utilizing flip angle/TR equivalence to reduce breath hold duration in hyperpolarized <sup>129</sup> Xe point Dixon gas exchange imaging. Magnetic Resonance in Medicine, 2022, 87, 1490-1499.	1.9	8
101	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
102	Implementation of mixed bandwidth MRI pulse sequences using a single analog lowpass filter. Magnetic Resonance Imaging, 1989, 7, 487-493.	1.0	6
103	Selective versus nonselective preparation pulses in two-dimensional MP-RAGE imaging of the liver. Journal of Magnetic Resonance Imaging, 1992, 2, 355-358.	1.9	6
104	Magnetic resonance hystero-graphy and hysterosalpingography using hyperpolarized 3He: Demonstration of feasibility in an animal model. Journal of Magnetic Resonance Imaging, 2000, 12, 1009-1013.	1.9	6
105	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
106	Image-versus histogram-based considerations in semantic segmentation of pulmonary hyperpolarized gas images. Magnetic Resonance in Medicine, 2021, 86, 2822-2836.	1.9	6
107	Magnetization-prepared rapid gradient echo (MP-RAGE) magnetic resonance imaging of Morgagni's hernia. European Journal of Radiology, 1990, 11, 196-199.	1.2	5
108	Improved T1-weighted two-dimensional MP-GRE imaging of the liver with variable flip angles for shaping the signal evolution. Journal of Magnetic Resonance Imaging, 1994, 4, 91-98.	1.9	5

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109	A thermally polarized <sup>129</sup> Xe phantom for quality assurance in multi-center hyperpolarized gas MRI studies. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1961-1968.	1.9	5
110	The Stripe Sign. <i>Clinical Nuclear Medicine</i> , 1999, 24, 747.	0.7	5
111	Assessment of in vitro vs. in vivo lung structure using hyperpolarized helium-3 diffusion magnetic resonance imaging. <i>Magnetic Resonance Imaging</i> , 2009, 27, 845-851.	1.0	4
112	An initial investigation of hyperpolarized gas tagging magnetic resonance imaging in evaluating deformable image registration-based lung ventilation. <i>Medical Physics</i> , 2018, 45, 5535-5542.	1.6	4
113	Measures of ventilation heterogeneity mapped with hyperpolarized helium-3 MRI demonstrate a T2-high phenotype in asthma. <i>Pediatric Pulmonology</i> , 2021, 56, 1440-1448.	1.0	4
114	<sc>SPRINGâ€RIO TSE</sc> : <sc> 2D T<sub>2</sub> â€Weighted </sc> Turbo <sc>Spinâ€Echo</sc> brain imaging using <sc>SPiral RINGs</sc> with retraced in/out trajectories. <i>Magnetic Resonance in Medicine</i> , 2022, , .	1.9	3
115	A hybrid proton and hyperpolarized gas tagging MRI technique for lung respiratory motion imaging: a feasibility study. <i>Physics in Medicine and Biology</i> , 2019, 64, 105019.	1.6	2
116	Motion-compensated reconstruction of magnetic resonance images from undersampled data. <i>Magnetic Resonance Imaging</i> , 2019, 55, 36-45.	1.0	2
117	Hyperpolarized xenon-129 3D-Chemical Shift Imaging of the lung in subjects with a history of smoke exposure. <i>Proceedings of the International Society for Magnetic Resonance in Medicine ... Scientific Meeting and Exhibition.</i> , 2013, , 1450.	0.5	2
118	The Impact of Optic Nerve Movement on Intracranial Radiation Treatment. <i>Frontiers in Oncology</i> , 2022, 12, 803329.	1.3	2
119	Characterizing Gas Exchange Physiology in Healthy Young Electronic-Cigarette Users with Hyperpolarized <sup>129</sup> Xe MRI: A Pilot Study. <i>International Journal of COPD</i> , 2021, Volume 16, 3183-3187.	0.9	2
120	Refocused turbo spin-echo for noncontrast peripheral MR angiography. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 1468-1476.	1.9	1
121	Pulmonary toxicity in a rabbit model of stereotactic lung radiation therapy: Efficacy of a radioprotector. <i>Experimental Lung Research</i> , 2014, 40, 308-316.	0.5	1
122	Polarized noble gas MRI. , 1998, , .		0
123	Healthy Nonsmokers Exposed Regularly To Secondhand Smoke Have Evidence Of Lung Injury Detected By Hyperpolarized Helium-3 Diffusion MRI. , 2010, , .		0
124	Dependence Of The Xenon-129 Gas-Exchange Efficiency On The Ventilation Volume. , 2010, , .		0
125	Relationship In Smokers Between Lung Function And Lung Structure As Measured By Hyperpolarized Helium-3 MRI. , 2010, , .		0
126	Lung Function Imaging With Hyperpolarized Xenon MRI In Asthmatics. , 2010, , .		0



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127	4-D segmentation and normalization of 3He MR images for intrasubject assessment of ventilated lung volumes. Proceedings of SPIE, 2012, , .	0.8	0
128	Longitudinal assessment of treatment effects on pulmonary ventilation using 1H/3He MRI multivariate templates. , 2013, , .		0