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List of Publications by Year
in descending order

24 papers	880 citations	516710 16 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	493 citing authors

#	Article	IF	Citations
1	Using hyperpolarized ¹²⁹Xe MRI to quantify regional gas transfer in idiopathic pulmonary fibrosis. Thorax, 2018, 73, 21-28.	5.6	110
2	Singleâ€breath clinical imaging of hyperpolarized ¹²⁹xe in the airspaces, barrier, and red blood cells using an interleaved 3D radial 1â€point Dixon acquisition. Magnetic Resonance in Medicine, 2016, 75, 1434-1443.	3.0	96
3	Quantitative analysis of hyperpolarized ¹²⁹Xe ventilation imaging in healthy volunteers and subjects with chronic obstructive pulmonary disease. NMR in Biomedicine, 2013, 26, 424-435.	2.8	76
4	Extending Semiautomatic Ventilation Defect Analysis for Hyperpolarized 129Xe Ventilation MRI. Academic Radiology, 2014, 21, 1530-1541.	2.5	73
5	Using Hyperpolarized 129Xe MRI to Quantify the Pulmonary Ventilation Distribution. Academic Radiology, 2016, 23, 1521-1531.	2.5	67
6	Quantitative analysis of hyperpolarized¹²⁹Xe gas transfer MRI. Medical Physics, 2017, 44, 2415-2428.	3.0	65
7	Probing the regional distribution of pulmonary gas exchange through single-breath gas- and dissolved-phase ¹²⁹Xe MR imaging. Journal of Applied Physiology, 2013, 115, 850-860.	2.5	53
8	Dose and pulse sequence considerations for hyperpolarized 129Xe ventilation MRI. Magnetic Resonance Imaging, 2015, 33, 877-885.	1.8	52
9	Hyperpolarized 129Xenon Magnetic Resonance Imaging to Quantify Regional Ventilation Differences in Mild to Moderate Asthma. Investigative Radiology, 2017, 52, 120-127.	6.2	51
10	Diverse cardiopulmonary diseases are associated with distinct xenon magnetic resonance imaging signatures. European Respiratory Journal, 2019, 54, 1900831.	6.7	47
11	Hyperpolarized ¹²⁹Xe gas transfer MRI: the transition from 1.5T to 3T. Magnetic Resonance in Medicine, 2018, 80, 2374-2383.	3.0	27
12	Optimizing 3<scp>D</scp> noncartesian gridding reconstruction for hyperpolarized ¹²⁹<scp>X</scp>e <scp>MRI</scp>â€"focus on preclinical applications. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2015, 44, 190-202.	0.5	23
13	129Xenon Gas Exchange Magnetic Resonance Imaging as a Potential Prognostic Marker for Progression of Idiopathic Pulmonary Fibrosis. Annals of the American Thoracic Society, 2020, 17, 121-125.	3.2	22
14	Abnormalities in Hyperpolarized ¹²⁹Xe Magnetic Resonance Imaging and Spectroscopy in two Patients with Pulmonary Vascular Disease. Pulmonary Circulation, 2016, 6, 126-131.	1.7	21
15	Uncovering a third dissolvedâ€phase ¹²⁹<scp>X</scp>e resonance in the human lung: <scp>Q</scp>uantifying spectroscopic features in healthy subjects and patients with idiopathic pulmonary fibrosis. Magnetic Resonance in Medicine, 2017, 78, 1306-1315.	3.0	21
16	A Comparison of Two Hyperpolarized 129Xe MRI Ventilation Quantification Pipelines: The Effect of Signal to Noise Ratio. Academic Radiology, 2019, 26, 949-959.	2.5	21
17	Characterisation of gas exchange in COPD with dissolved-phase hyperpolarised xenon-129 MRI. Thorax, 2021, 76, 178-181.	5.6	16
18	Establishing an accurate gas phase reference frequency to quantify¹²⁹Xe chemical shifts in vivo. Magnetic Resonance in Medicine, 2017, 77, 1438-1445.	3.0	10

#	Article	IF	Citations
19	Generalized Linear Binning to Compare Hyperpolarized 129Xe Ventilation Maps Derived from 3D Radial Gas Exchange Versus Dedicated Multislice Gradient Echo MRI. Academic Radiology, 2020, 27, e193-e203.	2.5	9
20	Multireader Determination of Clinically Significant Obstruction Using Hyperpolarized ¹²⁹Xeâ€"Ventilation MRI. American Journal of Roentgenology, 2019, 212, 758-765.	2.2	7
21	Imageâ€•versus histogramâ€based considerations in semantic segmentation of pulmonary hyperpolarized gas images. Magnetic Resonance in Medicine, 2021, 86, 2822-2836.	3.0	6
22	A thermally polarized 129 Xe phantom for quality assurance in multiâ€center hyperpolarized gas MRI studies. Magnetic Resonance in Medicine, 2019, 82, 1961-1968.	3.0	5
23	Characterizing Gas Exchange Physiology in Healthy Young Electronic-Cigarette Users with Hyperpolarized 129Xe MRI: A Pilot Study. International Journal of COPD, 2021, Volume 16, 3183-3187.	2.3	2
24	Single-breath clinical imaging of hyperpolarized 129 xe in the airspaces, barrier, and red blood cells using an interleaved 3D radial 1-point Dixon acquisition. Magnetic Resonance in Medicine, 2016, 75, spcone-spcone.	3.0	0