

# Ziyi Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

414  
citations

1040056

9  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

336  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pediatric <sup>129</sup> Xe Gas Transfer MRI Feasibility and Applicability. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 1207-1219.	3.4	9
2	Noninvasive diagnosis of pulmonary hypertension with hyperpolarised <sup>129</sup> Xe magnetic resonance imaging and spectroscopy. <i>ERJ Open Research</i> , 2022, 8, 00035-2022.	2.6	4
3	Bias field correction in hyperpolarized <sup>129</sup> Xe ventilation MRI using templates derived by RF depolarization mapping. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 802-816.	3.0	7
4	Regional Gas Exchange Measured by <sup>129</sup> Xe Magnetic Resonance Imaging Before and After Combination Bronchodilators Treatment in Chronic Obstructive Pulmonary Disease. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 964-974.	3.4	12
5	Using hyperpolarized <sup>129</sup> Xe gas-exchange MRI to model the regional airspace, membrane, and capillary contributions to diffusing capacity. <i>Journal of Applied Physiology</i> , 2021, 130, 1398-1409.	2.5	23
6	Hyperpolarized <sup>129</sup> Xe Magnetic Resonance Imaging for Functional Avoidance Treatment Planning in Thoracic Radiation Therapy: A Comparison of Ventilation- and Gas Exchange-Guided Treatment Plans. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 1044-1057.	0.8	6
7	Hyperpolarized <sup>129</sup> Xe MRI and Spectroscopy of Gas-Exchange Abnormalities in Nonspecific Interstitial Pneumonia. <i>Radiology</i> , 2021, 301, 211-220.	7.3	11
8	<sup>129</sup> Xenon Gas Exchange Magnetic Resonance Imaging as a Potential Prognostic Marker for Progression of Idiopathic Pulmonary Fibrosis. <i>Annals of the American Thoracic Society</i> , 2020, 17, 121-125.	3.2	22
9	Generalized Linear Binning to Compare Hyperpolarized <sup>129</sup> Xe Ventilation Maps Derived from 3D Radial Gas Exchange Versus Dedicated Multislice Gradient Echo MRI. <i>Academic Radiology</i> , 2020, 27, e193-e203.	2.5	9
10	Quantitative <sup>129</sup> Xe MRI detects early impairment of gas-exchange in a rat model of pulmonary hypertension. <i>Scientific Reports</i> , 2020, 10, 7385.	3.3	10
11	Mapping cardiopulmonary dynamics within the microvasculature of the lungs using dissolved <sup>129</sup> Xe MRI. <i>Journal of Applied Physiology</i> , 2020, 129, 218-229.	2.5	13
12	Diverse cardiopulmonary diseases are associated with distinct xenon magnetic resonance imaging signatures. <i>European Respiratory Journal</i> , 2019, 54, 1900831.	6.7	47
13	A thermally polarized <sup>129</sup> Xe phantom for quality assurance in multicenter hyperpolarized gas MRI studies. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1961-1968.	3.0	5
14	Using hyperpolarized <sup>129</sup> Xe MRI to quantify regional gas transfer in idiopathic pulmonary fibrosis. <i>Thorax</i> , 2018, 73, 21-28.	5.6	110
15	Hyperpolarized <sup>129</sup> Xe gas transfer MRI: the transition from 1.5T to 3T. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2374-2383.	3.0	27
16	Correlation of Regional Lung Ventilation and Gas Transfer to Red Blood Cells: Implications for Functional-Avoidance Radiation Therapy Planning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 1113-1122.	0.8	24
17	Quantitative analysis of hyperpolarized <sup>129</sup> Xe gas transfer MRI. <i>Medical Physics</i> , 2017, 44, 2415-2428.	3.0	65
18	Best Window Width Determination and Glioma Analysis Application of Dynamic Brain Network Measure on Resting-State Functional Magnetic Resonance Imaging. <i>Journal of Medical Imaging and Health Informatics</i> , 2016, 6, 1735-1740.	0.3	7

#	ARTICLE	IF	CITATIONS
19	Dynamic features extraction method of resting-state BOLD-fMRI signal and its application to brain data classification between normal and glioma. , 2014, , .		3