

# Paul J C Hughes

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

346  
citations

1039880

9  
h-index

1199470

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

445  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lung perfusion: MRI vs. SPECT for screening in suspected chronic thromboembolic pulmonary hypertension. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 46, 1693-1697.	1.9	71
2	Comparison of $^3\text{He}$ and $^{129}\text{Xe}$ MRI for evaluation of lung microstructure and ventilation at 1.5T. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 48, 632-642.	1.9	61
3	Spatial fuzzy means thresholding for semiautomated calculation of percentage lung ventilated volume from hyperpolarized gas and $^1\text{H}$ MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2018, 47, 640-646.	1.9	35
4	Patterns of regional lung physiology in cystic fibrosis using ventilation magnetic resonance imaging and multiple-breath washout. <i>European Respiratory Journal</i> , 2018, 52, 1800821.	3.1	35
5	Pulmonary MR angiography and perfusion imaging—A review of methods and applications. <i>European Journal of Radiology</i> , 2017, 86, 361-370.	1.2	33
6	Assessment of the influence of lung inflation state on the quantitative parameters derived from hyperpolarized gas lung ventilation MRI in healthy volunteers. <i>Journal of Applied Physiology</i> , 2019, 126, 183-192.	1.2	30
7	Dissolved $^{129}\text{Xe}$ lung MRI with four-echo 3D radial spectroscopic imaging: Quantification of regional gas transfer in idiopathic pulmonary fibrosis. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2622-2633.	1.9	28
8	The assessment of short- and long-term changes in lung function in cystic fibrosis using $^{129}\text{Xe}$ MRI. <i>European Respiratory Journal</i> , 2020, 56, 2000441.	3.1	25
9	Single breath-held acquisition of coregistered 3D $^{129}\text{Xe}$ lung ventilation and anatomical proton images of the human lung with compressed sensing. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 342-347.	1.9	14
10	Integrated Cardiopulmonary MRI Assessment of Pulmonary Hypertension. <i>Journal of Magnetic Resonance Imaging</i> , 2021, , .	1.9	7
11	MR properties of $^{19}\text{F}$ $\text{C}_3\text{F}_8$ gas in the lungs of healthy volunteers: and apparent diffusion coefficient at 1.5T and at 3T. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1561-1570.	1.9	4
12	3D Deep Convolutional Neural Network-Based Ventilated Lung Segmentation Using Multi-nuclear Hyperpolarized Gas MRI. <i>Lecture Notes in Computer Science</i> , 2020, , 24-35.	1.0	3
13	Comparison of inhaled $^{19}\text{F}$ $\text{C}_3\text{F}_8$ and hyperpolarized $^{129}\text{Xe}$ lung ventilation MRI. , 2018, , .		0