Ho-Fung Chan

List of Publications by Year
in descending order

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		759233	839539
20	532	12	18
papers	citations	h-index	g-index

21	21	21	568
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characteristics of known drug space. Natural products, their derivatives and synthetic drugs. European Journal of Medicinal Chemistry, 2010, 45, 5646-5652.	5.5	99
2	Comparison of ³ He and ¹²⁹ Xe MRI for evaluation of lung microstructure and ventilation at 1.5T. Journal of Magnetic Resonance Imaging, 2018, 48, 632-642.	3.4	61
3	Hyperpolarised xenon magnetic resonance spectroscopy for the longitudinal assessment of changes in gas diffusion in IPF. Thorax, 2019, 74, 500-502.	5.6	53
4	3D diffusionâ€weighted ¹²⁹Xe MRI for whole lung morphometry. Magnetic Resonance in Medicine, 2018, 79, 2986-2995.	3.0	38
5	Whole lung morphometry with 3D multiple bâ€value hyperpolarized gas MRI and compressed sensing. Magnetic Resonance in Medicine, 2017, 77, 1916-1925.	3.0	37
6	Protocols for multiâ€site trials using hyperpolarized ¹²⁹Xe 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.	3.0	35
7	Assessment of the influence of lung inflation state on the quantitative parameters derived from hyperpolarized gas lung ventilation MRI in healthy volunteers. Journal of Applied Physiology, 2019, 126, 183-192.	2.5	30
8	In vivo methods and applications of xenon-129 magnetic resonance. Progress in Nuclear Magnetic Resonance Spectroscopy, 2021, 122, 42-62.	7.5	30
9	Spatial Comparison of CT-Based Surrogates of Lung Ventilation With Hyperpolarized Helium-3 and Xenon-129 Gas MRI in Patients Undergoing Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2018, 102, 1276-1286.	0.8	28
10	Airway Microstructure in Idiopathic Pulmonary Fibrosis: Assessment at Hyperpolarized ³He Diffusion-weighted MRI. Radiology, 2019, 291, 223-229.	7.3	26
11	Lung MRI with hyperpolarised gases: current & future clinical perspectives. British Journal of Radiology, 2022, 95, 20210207.	2.2	26
12	Comparison of in vivo lung morphometry models from 3D multiple bâ€value ³He and ¹²⁹Xe diffusionâ€weighted MRI. Magnetic Resonance in Medicine, 2019, 81, 2959-2971.	3.0	20
13	Single breathâ€held acquisition of coregistered 3D ¹²⁹Xe lung ventilation and anatomical proton images of the human lung with compressed sensing. Magnetic Resonance in Medicine, 2019, 82, 342-347.	3.0	14
14	Finite element simulations of hyperpolarized gas DWI in microâ€CT meshes of acinar airways: validating the cylinder and stretched exponential models of lung microstructural length scales. Magnetic Resonance in Medicine, 2021, 86, 514-525.	3.0	10
15	Airspace Dimension Assessment (AiDA) by inhaled nanoparticles: benchmarking with hyperpolarised 129Xe diffusion-weighted lung MRI. Scientific Reports, 2021, 11, 4721.	3.3	9
16	Imaging Collateral Ventilation in Patients With Advanced Chronic Obstructive Pulmonary Disease: Relative Sensitivity of ³He and ¹²⁹Xe MRI. Journal of Magnetic Resonance Imaging, 2019, 49, 1195-1197.	3.4	5
17	Supine to upright lung mechanics: Do changes in lung shape influence lung tissue deformation?. , 2014, 2014, 832-5.		4
18	MR properties of 19 F C 3 F 8 gas in the lungs of healthy volunteers: and apparent diffusion coefficient at 1.5T and at 3T. Magnetic Resonance in Medicine, 2021, 85, 1561-1570.	3.0	4

#	Article	IF	Citations
19	An asymmetrical wholeâ€body birdcage RF coil without RF shield for hyperpolarized ¹²⁹Xe lung MR imaging at 1.5 T. Magnetic Resonance in Medicine, 2021, 86, 3373-3381.	3.0	3
20	Hyperpolarised Helium-3 (3He) MRI: Physical Methods for Imaging Human Lung Function. Medical Radiology, 2017, , 69-97.	0.1	0