

Kun Qing

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/375218/publications.pdf>

Version: 2024-02-01

30
papers

595
citations

759233

12
h-index

642732

23
g-index

33
all docs

33
docs citations

33
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	Regional mapping of gas uptake by blood and tissue in the human lung using hyperpolarized xenon-129 MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2014, 39, 346-359.	3.4	149
2	Assessment of lung function in asthma and COPD using hyperpolarized ¹²⁹ Xe chemical shift saturation recovery spectroscopy and dissolved-phase MRI. <i>NMR in Biomedicine</i> , 2014, 27, 1490-1501.	2.8	93
3	Deep convolutional neural network for segmentation of thoracic organs at risk using cropped 3D images. <i>Medical Physics</i> , 2019, 46, 2169-2180.	3.0	82
4	Convolutional Neural Networks with Template-Based Data Augmentation for Functional Lung Image Quantification. <i>Academic Radiology</i> , 2019, 26, 412-423.	2.5	51
5	Using Hyperpolarized Xenon-129 MRI to Quantify Early-Stage Lung Disease in Smokers. <i>Academic Radiology</i> , 2019, 26, 355-366.	2.5	24
6	Probing Changes in Lung Physiology in COPD Using CT, Perfusion MRI, and Hyperpolarized Xenon-129 MRI. <i>Academic Radiology</i> , 2019, 26, 326-334.	2.5	23
7	Atlas-based estimation of lung and lobar anatomy in proton MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 315-320.	3.0	22
8	Automated 3D Fetal Brain Segmentation Using an Optimized Deep Learning Approach. <i>American Journal of Neuroradiology</i> , 2022, 43, 448-454.	2.4	20
9	Regional investigation of lung function and microstructure parameters by localized ¹²⁹ Xe chemical shift saturation recovery and dissolved-phase imaging: A reproducibility study. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 13-24.	3.0	19
10	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.	3.0	17
11	Characterisation of gas exchange in COPD with dissolved-phase hyperpolarised xenon-129 MRI. <i>Thorax</i> , 2021, 76, 178-181.	5.6	16
12	Signal-to-noise ratio, T ₂ , 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.	3.0	12
13	Deep learning-based quantification of abdominal fat on magnetic resonance images. <i>PLoS ONE</i> , 2018, 13, e0204071.	2.5	11
14	Evaluation of Regional Lung Function in Pulmonary Fibrosis with Xenon-129 MRI. <i>Tomography</i> , 2021, 7, 452-465.	1.8	11
15	Regional anisotropy of airspace orientation in the lung as assessed with hyperpolarized helium-3 diffusion MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1777-1782.	3.4	10
16	Comparison of Hyperpolarized 3He and 129Xe MR Imaging in Cystic Fibrosis Patients. <i>Academic Radiology</i> , 2022, 29, S82-S90.	2.5	8
17	Image-versus histogram-based considerations in semantic segmentation of pulmonary hyperpolarized gas images. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2822-2836.	3.0	6
18	Comparison of intrafractional motion with two frameless immobilization systems in surface-guided intracranial stereotactic radiosurgery. <i>Journal of Applied Clinical Medical Physics</i> , 2022, , e13613.	1.9	5

#	ARTICLE	IF	CITATIONS
19	Dynamics of the Tracheal Airway and Its Influences on Respiratory Airflows: An Exemplar Study. Journal of Biomechanical Engineering, 2019, 141, .	1.3	4
20	Measures of ventilation heterogeneity mapped with hyperpolarized helium-3 MRI demonstrate a T2*high phenotype in asthma. Pediatric Pulmonology, 2021, 56, 1440-1448.	2.0	4
21	A pilot study of function-based radiation therapy planning for lung cancer using hyperpolarized xenon-129 ventilation MRI. Journal of Applied Clinical Medical Physics, 2022, 23, e13502.	1.9	4
22	Integration and evaluation of a gradient-based needle navigation system for percutaneous MR-guided interventions. PLoS ONE, 2020, 15, e0236295.	2.5	2
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	(P56) A Preliminary Study of Alternation of Apparent Diffusion Coefficients (ADC) After Stereotactic Body Radiotherapy (SBRT) in Human Non-Small Cell Lung Cancer (NSCLC) Cell Lines. International Journal of Radiation Oncology Biology Physics, 2018, 101, E42.	0.8	0
25	Chapter 18. Hyperpolarized Xenon-129 Gas Uptake in the Human Lung and XTC MRI. New Developments in NMR, 2015, , 317-335.	0.1	0
26	Automatic organ contour check: One essential step in autonomous treatment planning. Medical Dosimetry, 2022, , .	0.9	0
27	Title is missing!. , 2020, 15, e0236295.		0
28	Title is missing!. , 2020, 15, e0236295.		0
29	Title is missing!. , 2020, 15, e0236295.		0
30	Title is missing!. , 2020, 15, e0236295.		0