

# Kun Qing

## List of Publications by Year in descending order

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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	Comparison of Hyperpolarized 3He and 129Xe MR Imaging in Cystic Fibrosis Patients. Academic Radiology, 2022, 29, S82-S90.	2.5	8
2	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
3	Automated 3D Fetal Brain Segmentation Using an Optimized Deep Learning Approach. American Journal of Neuroradiology, 2022, 43, 448-454.	2.4	20
4	Automatic organ contour check: One essential step in autonomous treatment planning. Medical Dosimetry, 2022, , .	0.9	0
5	Comparison of intrafractional motion with two frameless immobilization systems in surface-guided intracranial stereotactic radiosurgery. Journal of Applied Clinical Medical Physics, 2022, , e13613.	1.9	5
6	Characterisation of gas exchange in COPD with dissolved-phase hyperpolarised xenon-129 MRI. Thorax, 2021, 76, 178-181.	5.6	16
7	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
8	Image-versus histogram-based considerations in semantic segmentation of pulmonary hyperpolarized gas images. Magnetic Resonance in Medicine, 2021, 86, 2822-2836.	3.0	6
9	Evaluation of Regional Lung Function in Pulmonary Fibrosis with Xenon-129 MRI. Tomography, 2021, 7, 452-465.	1.8	11
10	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
11	Integration and evaluation of a gradient-based needle navigation system for percutaneous MR-guided interventions. PLoS ONE, 2020, 15, e0236295.	2.5	2
12	Title is missing!. , 2020, 15, e0236295.		0
13	Title is missing!. , 2020, 15, e0236295.		0
14	Title is missing!. , 2020, 15, e0236295.		0
15	Title is missing!. , 2020, 15, e0236295.		0
16	Probing Changes in Lung Physiology in COPD Using CT, Perfusion MRI, and Hyperpolarized Xenon-129 MRI. Academic Radiology, 2019, 26, 326-334.	2.5	23
17	Dynamics of the Tracheal Airway and Its Influences on Respiratory Airflows: An Exemplar Study. Journal of Biomechanical Engineering, 2019, 141, .	1.3	4
18	Deep convolutional neural network for segmentation of thoracic organs-at-risk using cropped 3D images. Medical Physics, 2019, 46, 2169-2180.	3.0	82

#	ARTICLE	IF	CITATIONS
19	Convolutional Neural Networks with Template-Based Data Augmentation for Functional Lung Image Quantification. <i>Academic Radiology</i> , 2019, 26, 412-423.	2.5	51
20	Regional investigation of lung function and microstructure parameters by localized <sup>129</sup> 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
21	Using Hyperpolarized Xenon-129 MRI to Quantify Early-Stage Lung Disease in Smokers. <i>Academic Radiology</i> , 2019, 26, 355-366.	2.5	24
22	Deep learning-based quantification of abdominal fat on magnetic resonance images. <i>PLoS ONE</i> , 2018, 13, e0204071.	2.5	11
23	(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. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, E42.	0.8	0
24	Signal-to-noise ratio, T <sub>2</sub> , 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
25	Atlas-based estimation of lung and lobar anatomy in proton MRI. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 315-320.	3.0	22
26	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
27	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
28	Chapter 18. Hyperpolarized Xenon-129 Gas Uptake in the Human Lung and XTC MRI. <i>New Developments in NMR</i> , 2015, , 317-335.	0.1	0
29	Assessment of lung function in asthma and COPD using hyperpolarized <sup>129</sup> Xe chemical shift saturation recovery spectroscopy and dissolved-phase MRI. <i>NMR in Biomedicine</i> , 2014, 27, 1490-1501.	2.8	93
30	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