

# Grace Parraga

## List of Publications by Citations

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138  
papers

3,817  
citations

37  
h-index

57  
g-index

155  
ext. papers

4,607  
ext. citations

6.8  
avg, IF

5.47  
L-index

#	Paper	IF	Citations
138	Hyperpolarized $^3\text{He}$ and $^{129}\text{Xe}$ MR imaging in healthy volunteers and patients with chronic obstructive pulmonary disease. <i>Radiology</i> , <b>2012</b> , 265, 600-10	20.5	157
137	Imaging of lung function using hyperpolarized helium-3 magnetic resonance imaging: Review of current and emerging translational methods and applications. <i>Journal of Magnetic Resonance Imaging</i> , <b>2010</b> , 32, 1398-408	5.6	157
136	Dietary intervention to reverse carotid atherosclerosis. <i>Circulation</i> , <b>2010</b> , 121, 1200-8	16.7	150
135	Hyperpolarized $^3\text{He}$ magnetic resonance functional imaging semiautomated segmentation. <i>Academic Radiology</i> , <b>2012</b> , 19, 141-52	4.3	141
134	Hyperpolarized $^3\text{He}$ ventilation defects and apparent diffusion coefficients in chronic obstructive pulmonary disease: preliminary results at 3.0 Tesla. <i>Investigative Radiology</i> , <b>2007</b> , 42, 384-91	10.1	120
133	Progression of carotid plaque volume predicts cardiovascular events. <i>Stroke</i> , <b>2013</b> , 44, 1859-65	6.7	108
132	New and current clinical imaging techniques to study chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 180, 588-97	10.2	108
131	Hyperpolarized ( $^3\text{He}$ ) and ( $^{129}\text{Xe}$ ) MRI: differences in asthma before bronchodilation. <i>Journal of Magnetic Resonance Imaging</i> , <b>2013</b> , 38, 1521-30	5.6	105
130	Validation of 3D ultrasound vessel wall volume: an imaging phenotype of carotid atherosclerosis. <i>Ultrasound in Medicine and Biology</i> , <b>2007</b> , 33, 905-14	3.5	91
129	Chronic obstructive pulmonary disease: longitudinal hyperpolarized ( $^3\text{He}$ ) MR imaging. <i>Radiology</i> , <b>2010</b> , 256, 280-9	20.5	89
128	Using pulmonary imaging to move chronic obstructive pulmonary disease beyond FEV1. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 190, 135-44	10.2	72
127	Three-dimensional ultrasound quantification of intensive statin treatment of carotid atherosclerosis. <i>Ultrasound in Medicine and Biology</i> , <b>2009</b> , 35, 1763-72	3.5	72
126	What are ventilation defects in asthma?. <i>Thorax</i> , <b>2014</b> , 69, 63-71	7.3	71
125	Pulmonary ventilation visualized using hyperpolarized helium-3 and xenon-129 magnetic resonance imaging: differences in COPD and relationship to emphysema. <i>Journal of Applied Physiology</i> , <b>2013</b> , 114, 707-15	3.7	71
124	On the role of abnormal DL(CO) in ex-smokers without airflow limitation: symptoms, exercise capacity and hyperpolarised helium-3 MRI. <i>Thorax</i> , <b>2013</b> , 68, 752-9	7.3	68
123	Chronic obstructive pulmonary disease: quantification of bronchodilator effects by using hyperpolarized $^3\text{He}$ MR imaging. <i>Radiology</i> , <b>2011</b> , 261, 283-92	20.5	67
122	Hyperpolarized $^3\text{He}$ magnetic resonance imaging of chronic obstructive pulmonary disease: reproducibility at 3.0 tesla. <i>Academic Radiology</i> , <b>2008</b> , 15, 1298-311	4.3	67

121	Hyperpolarized (3)He ventilation defects used to predict pulmonary exacerbations in mild to moderate chronic obstructive pulmonary disease. <i>Radiology</i> , <b>2014</b> , 273, 887-96	20.5	64
120	Three-dimensional carotid ultrasound plaque texture predicts vascular events. <i>Stroke</i> , <b>2014</b> , 45, 2695-706.	7	60
119	Hyperpolarized (3)He magnetic resonance imaging: comparison with four-dimensional x-ray computed tomography imaging in lung cancer. <i>Academic Radiology</i> , <b>2012</b> , 19, 1546-53	4.3	60
118	Hyperpolarized <sup>129</sup> Xe magnetic resonance imaging: tolerability in healthy volunteers and subjects with pulmonary disease. <i>Academic Radiology</i> , <b>2012</b> , 19, 941-51	4.3	57
117	Hyperpolarized <sup>3</sup> He magnetic resonance imaging: preliminary evaluation of phenotyping potential in chronic obstructive pulmonary disease. <i>European Journal of Radiology</i> , <b>2011</b> , 79, 140-6	4.7	57
116	Hyperpolarized <sup>3</sup> He magnetic resonance imaging of ventilation defects in healthy elderly volunteers: initial findings at 3.0 Tesla. <i>Academic Radiology</i> , <b>2008</b> , 15, 776-85	4.3	56
115	Lung morphometry using hyperpolarized ( <sup>129</sup> Xe) apparent diffusion coefficient anisotropy in chronic obstructive pulmonary disease. <i>Magnetic Resonance in Medicine</i> , <b>2013</b> , 70, 1699-706	4.4	54
114	Ultra-short echo-time pulmonary MRI: evaluation and reproducibility in COPD subjects with and without bronchiectasis. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 1465-74	5.6	51
113	Regional pulmonary response to a methacholine challenge using hyperpolarized (3)He magnetic resonance imaging. <i>Respirology</i> , <b>2012</b> , 17, 1237-46	3.6	49
112	Anatomical distribution of <sup>3</sup> He apparent diffusion coefficients in severe chronic obstructive pulmonary disease. <i>Journal of Magnetic Resonance Imaging</i> , <b>2007</b> , 26, 1537-47	5.6	49
111	Pulmonary CT and MRI phenotypes that help explain chronic pulmonary obstruction disease pathophysiology and outcomes. <i>Journal of Magnetic Resonance Imaging</i> , <b>2016</b> , 43, 544-57	5.6	49
110	Quantitative evaluation of hyperpolarized helium-3 magnetic resonance imaging of lung function variability in cystic fibrosis. <i>Academic Radiology</i> , <b>2011</b> , 18, 1006-13	4.3	46
109	Is ventilation heterogeneity related to asthma control?. <i>European Respiratory Journal</i> , <b>2016</b> , 48, 370-9	13.6	45
108	Sputum Eosinophilia and Magnetic Resonance Imaging Ventilation Heterogeneity in Severe Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 876-884	10.2	43
107	Detection of longitudinal lung structural and functional changes after diagnosis of radiation-induced lung injury using hyperpolarized <sup>3</sup> He magnetic resonance imaging. <i>Medical Physics</i> , <b>2010</b> , 37, 22-31	4.4	40
106	CT and Functional MRI to Evaluate Airway Mucus in Severe Asthma. <i>Chest</i> , <b>2019</b> , 155, 1178-1189	5.3	39
105	Quantitative pulmonary imaging using computed tomography and magnetic resonance imaging. <i>Respirology</i> , <b>2012</b> , 17, 432-44	3.6	39
104	Pulmonary Imaging Biomarkers of Gas Trapping and Emphysema in COPD: (3)He MR Imaging and CT Parametric Response Maps. <i>Radiology</i> , <b>2016</b> , 279, 597-608	20.5	38

103	Longitudinal ultrasound evaluation of carotid atherosclerosis in one, two and three dimensions. <i>Ultrasound in Medicine and Biology</i> , <b>2009</b> , 35, 367-75	3.5	38
102	Free-breathing pulmonary $^1\text{H}$ and Hyperpolarized $^3\text{He}$ MRI: comparison in COPD and bronchiectasis. <i>Academic Radiology</i> , <b>2015</b> , 22, 320-9	4.3	37
101	Evaluating bronchodilator effects in chronic obstructive pulmonary disease using diffusion-weighted hyperpolarized helium-3 magnetic resonance imaging. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 651-7	3.7	35
100	Texture analysis of carotid artery atherosclerosis from three-dimensional ultrasound images. <i>Medical Physics</i> , <b>2010</b> , 37, 1382-91	4.4	35
99	Mapping spatial and temporal changes in carotid atherosclerosis from three-dimensional ultrasound images. <i>Ultrasound in Medicine and Biology</i> , <b>2008</b> , 34, 64-72	3.5	32
98	What can computed tomography and magnetic resonance imaging tell us about ventilation?. <i>Journal of Applied Physiology</i> , <b>2012</b> , 113, 647-57	3.7	31
97	This is what COPD looks like. <i>Respirology</i> , <b>2016</b> , 21, 224-36	3.6	31
96	COPD: Do Imaging Measurements of Emphysema and Airway Disease Explain Symptoms and Exercise Capacity?. <i>Radiology</i> , <b>2015</b> , 277, 872-80	20.5	29
95	Hyperpolarized $^3\text{He}$ and $^{129}\text{Xe}$ magnetic resonance imaging apparent diffusion coefficients: physiological relevance in older never- and ex-smokers. <i>Physiological Reports</i> , <b>2014</b> , 2, e12068	2.6	29
94	Globally optimal co-segmentation of three-dimensional pulmonary $^1\text{H}$ and hyperpolarized $^3\text{He}$ MRI with spatial consistence prior. <i>Medical Image Analysis</i> , <b>2015</b> , 23, 43-55	15.4	28
93	Expanding Applications of Pulmonary MRI in the Clinical Evaluation of Lung Disorders: Fleischner Society Position Paper. <i>Radiology</i> , <b>2020</b> , 297, 286-301	20.5	28
92	COPD biomarkers and phenotypes: opportunities for better outcomes with precision imaging. <i>European Respiratory Journal</i> , <b>2018</b> , 52,	13.6	25
91	Oscillometry and pulmonary MRI measurements of ventilation heterogeneity in obstructive lung disease: relationship to quality of life and disease control. <i>Journal of Applied Physiology</i> , <b>2018</b> , 125, 73-85	3.7	24
90	Comparison of B-mode ultrasound, 3-dimensional ultrasound, and magnetic resonance imaging measurements of carotid atherosclerosis. <i>Journal of Ultrasound in Medicine</i> , <b>2008</b> , 27, 1321-34	2.9	23
89	Early stage radiation-induced lung injury detected using hyperpolarized ( $^{129}\text{Xe}$ ) Morphometry: Proof-of-concept demonstration in a rat model. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 2421-31	4.4	22
88	Pulmonary functional magnetic resonance imaging: asthma temporal-spatial maps. <i>Academic Radiology</i> , <b>2014</b> , 21, 1402-10	4.3	22
87	Pulmonary MRI morphometry modeling of airspace enlargement in chronic obstructive pulmonary disease and alpha-1 antitrypsin deficiency. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 439-448	4.4	20
86	Noninvasive quantification of alveolar morphometry in elderly never- and ex-smokers. <i>Physiological Reports</i> , <b>2015</b> , 3, e12583	2.6	20

85	Modeling stochastic and spatial heterogeneity in a human airway tree to determine variation in respiratory system resistance. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 167-75	3.7	20
84	Oscillatory Positive Expiratory Pressure in Chronic Obstructive Pulmonary Disease. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2016</b> , 13, 66-74	2	19
83	Differences in hyperpolarized (3) He ventilation imaging after 4 years in adults with cystic fibrosis. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 1701-7	5.6	19
82	Free-breathing Pulmonary MR Imaging to Quantify Regional Ventilation. <i>Radiology</i> , <b>2018</b> , 287, 693-704	20.5	18
81	Hyperpolarized helium-3 magnetic resonance imaging of chronic obstructive pulmonary disease exacerbation. <i>Journal of Magnetic Resonance Imaging</i> , <b>2013</b> , 37, 1223-7	5.6	18
80	Mapping and quantifying hyperpolarized 3He magnetic resonance imaging apparent diffusion coefficient gradients. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 693-9	3.7	18
79	Is Computed Tomography Airway Count Related to Asthma Severity and Airway Structure and Function?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 201, 923-933	10.2	18
78	Ventilation Heterogeneity in Never-smokers and COPD:: Comparison of Pulmonary Functional Magnetic Resonance Imaging with the Poorly Communicating Fraction Derived From Plethysmography. <i>Academic Radiology</i> , <b>2016</b> , 23, 398-405	4.3	17
77	Ultrashort echo time MRI biomarkers of asthma. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 45, 1204-1215	12.1	17
76	Hyperpolarized (3)He pulmonary functional magnetic resonance imaging prior to radiation therapy. <i>Medical Physics</i> , <b>2012</b> , 39, 4284-90	4.4	17
75	Oscillometry and pulmonary magnetic resonance imaging in asthma and COPD. <i>Physiological Reports</i> , <b>2019</b> , 7, e13955	2.6	17
74	What is the minimal clinically important difference for helium-3 magnetic resonance imaging ventilation defects?. <i>European Respiratory Journal</i> , <b>2018</b> , 51,	13.6	16
73	Pulmonary functional imaging using hyperpolarized noble gas MRI: six years of start-up experience at a single site. <i>Academic Radiology</i> , <b>2013</b> , 20, 1344-56	4.3	16
72	Why Is Your Patient Still Short of Breath? Understanding the Complex Pathophysiology of Dyspnea in Chronic Kidney Disease. <i>Seminars in Dialysis</i> , <b>2017</b> , 30, 50-57	2.5	15
71	Ventilation heterogeneity in ex-smokers without airflow limitation. <i>Academic Radiology</i> , <b>2015</b> , 22, 1068-78	7.8	15
70	Three-Dimensional Ultrasound of Carotid Plaque. <i>Neuroimaging Clinics of North America</i> , <b>2016</b> , 26, 69-80	3	14
69	Pulmonary ventilation defects in older never-smokers. <i>Journal of Applied Physiology</i> , <b>2014</b> , 117, 297-306	3.7	14
68	Carotid ultrasound phenotypes in vulnerable populations. <i>Cardiovascular Ultrasound</i> , <b>2006</b> , 4, 44	2.4	14

67	Free-breathing Functional Pulmonary MRI: Response to Bronchodilator and Bronchoprovocation in Severe Asthma. <i>Academic Radiology</i> , <b>2017</b> , 24, 1268-1276	4.3	14
66	Hyperpolarized <sup>3</sup> He magnetic resonance imaging ventilation defects in asthma: relationship to airway mechanics. <i>Physiological Reports</i> , <b>2016</b> , 4, e12761	2.6	14
65	Hyperpolarized Helium 3 MRI in Mild-to-Moderate Asthma: Prediction of Postbronchodilator Reversibility. <i>Radiology</i> , <b>2019</b> , 293, 212-220	20.5	13
64	Hyperpolarized <sup>3</sup> He functional magnetic resonance imaging of bronchoscopic airway bypass in chronic obstructive pulmonary disease. <i>Canadian Respiratory Journal</i> , <b>2012</b> , 19, 41-3	2.1	13
63	Computed tomography density histogram analysis to evaluate pulmonary emphysema in ex-smokers. <i>Academic Radiology</i> , <b>2013</b> , 20, 537-45	4.3	12
62	Longitudinal Computed Tomography and Magnetic Resonance Imaging of COPD: Thoracic Imaging Network of Canada (TINCan) Study Objectives. <i>Chronic Obstructive Pulmonary Diseases (Miami, Fla)</i> , <b>2014</b> , 1, 200-211	2.7	12
61	Thoracic CT-MRI coregistration for regional pulmonary structure-function measurements of obstructive lung disease. <i>Medical Physics</i> , <b>2017</b> , 44, 1718-1733	4.4	11
60	Mild chronic obstructive pulmonary disease: why spirometry is not sufficient!. <i>Expert Review of Respiratory Medicine</i> , <b>2017</b> , 11, 549-563	3.8	11
59	Pulmonary Imaging Phenotypes of Chronic Obstructive Pulmonary Disease Using Multiparametric Response Maps. <i>Radiology</i> , <b>2020</b> , 295, 227-236	20.5	11
58	Pulmonary functional magnetic resonance imaging for paediatric lung disease. <i>Paediatric Respiratory Reviews</i> , <b>2013</b> , 14, 180-9	4.8	11
57	Management of COPD: Is there a role for quantitative imaging?. <i>European Journal of Radiology</i> , <b>2017</b> , 86, 335-342	4.7	11
56	Noncystic Fibrosis Bronchiectasis: Regional Abnormalities and Response to Airway Clearance Therapy Using Pulmonary Functional Magnetic Resonance Imaging. <i>Academic Radiology</i> , <b>2017</b> , 24, 4-12	4.3	11
55	Hyperpolarized ( <sup>3</sup> He) magnetic resonance imaging-derived pulmonary pressure-volume curves. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 574-85	3.7	11
54	Regional Heterogeneity of Chronic Obstructive Pulmonary Disease Phenotypes: Pulmonary ( <sup>3</sup> He) Magnetic Resonance Imaging and Computed Tomography. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2016</b> , 13, 601-9	2	10
53	Chronic Obstructive Pulmonary Disease: Thoracic CT Texture Analysis and Machine Learning to Predict Pulmonary Ventilation. <i>Radiology</i> , <b>2019</b> , 293, 676-684	20.5	10
52	MRI ventilation abnormalities predict quality-of-life and lung function changes in mild-to-moderate COPD: longitudinal TINCan study. <i>Thorax</i> , <b>2017</b> , 72, 475-477	7.3	9
51	The relationship of carotid three-dimensional ultrasound vessel wall volume with age and sex: comparison to carotid intima-media thickness. <i>Ultrasound in Medicine and Biology</i> , <b>2012</b> , 38, 1145-53	3.5	9
50	Second-order Texture Measurements of ( <sup>3</sup> He) Ventilation MRI: Proof-of-concept Evaluation of Asthma Bronchodilator Response. <i>Academic Radiology</i> , <b>2016</b> , 23, 176-85	4.3	8

49	A framework for Fourier-decomposition free-breathing pulmonary H MRI ventilation measurements. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 81, 2135-2146	4.4	8
48	Effects of Anti-T2 Biologic Treatment on Lung Ventilation Evaluated by MRI in Adults With Prednisone-Dependent Asthma. <i>Chest</i> , <b>2020</b> , 158, 1350-1360	5.3	7
47	Three-dimensional ultrasound measurements of carotid vessel wall and plaque thickness and their relationship with pulmonary abnormalities in ex-smokers without airflow limitation. <i>International Journal of Cardiovascular Imaging</i> , <b>2016</b> , 32, 1391-1402	2.5	7
46	Pulmonary Artery Abnormalities in Ex-smokers with and without Airflow Obstruction. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2016</b> , 13, 224-34	2	7
45	Quantitative (1)H and hyperpolarized (3)He magnetic resonance imaging: comparison in chronic obstructive pulmonary disease and healthy never-smokers. <i>European Journal of Radiology</i> , <b>2014</b> , 83, 64-72	4.7	7
44	Accelerated Xe MRI morphometry of terminal airspace enlargement: Feasibility in volunteers and those with alpha-1 antitrypsin deficiency. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 416-426	4.4	7
43	Pulmonary Functional Imaging: Part 1-State-of-the-Art Technical and Physiologic Underpinnings. <i>Radiology</i> , <b>2021</b> , 299, 508-523	20.5	7
42	Normalisation of MRI ventilation heterogeneity in severe asthma by dupilumab. <i>Thorax</i> , <b>2019</b> , 74, 1087-1088	10.88	7
41	Reproducibility of Hyperpolarized Xe MRI Ventilation Defect Percent in Severe Asthma to Evaluate Clinical Trial Feasibility. <i>Academic Radiology</i> , <b>2021</b> , 28, 817-826	4.3	6
40	Optimizing sputum cell counts prior to bronchial thermoplasty: A preliminary report. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , <b>2019</b> , 3, 143-147	0.6	5
39	Pulmonary magnetic resonance imaging biomarkers of lung structure and function in adult survivors of bronchopulmonary dysplasia with COPD. <i>Cogent Medicine</i> , <b>2017</b> , 4, 1282033	1.4	5
38	Pulmonary imaging abnormalities in an adult case of congenital lobar emphysema. <i>Journal of Radiology Case Reports</i> , <b>2015</b> , 9, 9-15	1.1	5
37	One, two and three-dimensional ultrasound measurements of carotid atherosclerosis before and after cardiac rehabilitation: preliminary results of a randomized controlled trial. <i>Cardiovascular Ultrasound</i> , <b>2013</b> , 11, 39	2.4	5
36	Pulmonary Functional Imaging: Part 2-State-of-the-Art Clinical Applications and Opportunities for Improved Patient Care. <i>Radiology</i> , <b>2021</b> , 299, 524-538	20.5	5
35	Nonidentical Twins With Asthma: Spatially Matched CT Airway and MRI Ventilation Abnormalities. <i>Chest</i> , <b>2019</b> , 156, e111-e116	5.3	5
34	Rapid single-breath hyperpolarized noble gas MRI-based biomarkers of airspace enlargement. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 49, 1713-1722	5.6	5
33	Advanced pulmonary MRI to quantify alveolar and acinar duct abnormalities: Current status and future clinical applications. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 50, 28-40	5.6	5
32	MRI and CT lung biomarkers: Towards an in vivo understanding of lung biomechanics. <i>Clinical Biomechanics</i> , <b>2019</b> , 66, 107-122	2.2	5

31	Pulmonary Ventilation Maps Generated with Free-breathing Proton MRI and a Deep Convolutional Neural Network. <i>Radiology</i> , <b>2021</b> , 298, 427-438	20.5	5
30	Protocols for multi-site trials using hyperpolarized Xe MRI for imaging of ventilation, alveolar-airspace size, and gas exchange: A position paper from the Xe MRI clinical trials consortium. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 2966-2986	4.4	5
29	Magnetic resonance imaging biomarkers of chronic obstructive pulmonary disease prior to radiation therapy for non-small cell lung cancer. <i>European Journal of Radiology Open</i> , <b>2015</b> , 2, 81-9	2.6	4
28	Pulmonary abnormalities and carotid atherosclerosis in ex-smokers without airflow limitation. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , <b>2015</b> , 12, 62-70	2	4
27	FEV and MRI ventilation defect reversibility in asthma and COPD. <i>European Respiratory Journal</i> , <b>2020</b> , 55,	13.6	4
26	On the Potential Role of MRI Biomarkers of COPD to Guide Bronchoscopic Lung Volume Reduction. <i>Academic Radiology</i> , <b>2018</b> , 25, 159-168	4.3	4
25	Oscillatory Positive Expiratory Pressure (oPEP) Treatment in Chronic Obstructive Pulmonary Disease. <i>Chest</i> , <b>2013</b> , 144, 741A	5.3	4
24	Development and application of methods to quantify spatial and temporal hyperpolarized 3He MRI ventilation dynamics: preliminary results in chronic obstructive pulmonary disease <b>2010</b> ,		4
23	E-cigarettes: What evidence links vaping to acute lung injury and respiratory failure?. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , <b>2020</b> , 4, 48-54	0.6	4
22	Increased blood pressure is associated with increased carotid artery intima-media thickness in children with repaired coarctation of the aorta. <i>Journal of Hypertension</i> , <b>2019</b> , 37, 1689-1698	1.9	4
21	Registration pipeline for pulmonary free-breathing 1H MRI ventilation measurements <b>2017</b> ,		3
20	Pulmonary xenon-129 MRI: new opportunities to unravel enigmas in respiratory medicine. <i>European Respiratory Journal</i> , <b>2020</b> , 55,	13.6	3
19	Hyperpolarized helium-3 magnetic resonance imaging of asthma: short-term reproducibility <b>2008</b> ,		3
18	Imaging how and where we breathe oxygen: another Big Short?. <i>Journal of Thoracic Disease</i> , <b>2016</b> , 8, E204-7	2.6	3
17	Paradoxical response to bronchodilators in COPD: curious enigma or clinically important phenotype?. <i>Lancet Respiratory Medicine</i> , <b>2014</b> , 2, 865-867	35.1	2
16	Pulmonary He Magnetic Resonance Imaging Biomarkers of Regional Airspace Enlargement in Alpha-1 Antitrypsin Deficiency. <i>Academic Radiology</i> , <b>2017</b> , 24, 1402-1411	4.3	2
15	Evidence of adult lung growth in humans. <i>New England Journal of Medicine</i> , <b>2012</b> , 367, 1566-7; author reply 1567	59.2	2
14	Evaluation of Adiposity and Cognitive Function in Adults.. <i>JAMA Network Open</i> , <b>2022</b> , 5, e2146324	10.4	2



13	Pulmonary Functional MRI and CT in a Survivor of Bronchiolitis and Respiratory Failure Caused by e-Cigarette Use. <i>Chest</i> , <b>2020</b> , 158, e147-e151	5.3	2
12	Ultra-short echo-time magnetic resonance imaging lung segmentation with under-Annotations and domain shift. <i>Medical Image Analysis</i> , <b>2021</b> , 72, 102107	15.4	2
11	Hyperpolarized He MRI ventilatory apparent diffusion coefficient of alpha-1 antitrypsin deficiency. <i>Journal of Magnetic Resonance Imaging</i> , <b>2019</b> , 49, 311-313	5.6	1
10	Pulmonary functional MRI: Detecting the structure-function pathologies that drive asthma symptoms and quality of life.. <i>Respirology</i> , <b>2022</b> , 27, 114-133	3.6	1
9	Development of a pulmonary imaging biomarker pipeline for phenotyping of chronic lung disease. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 026002	2.6	1
8	Bronchial thermoplasty guided by hyperpolarised gas magnetic resonance imaging in adults with severe asthma: a 1-year pilot randomised trial. <i>ERJ Open Research</i> , <b>2021</b> , 7,	3.5	1
7	CT Pulmonary Vessels and MRI Ventilation in Chronic Obstructive Pulmonary Disease: Relationship with worsening FEV in the TINCan cohort study. <i>Academic Radiology</i> , <b>2021</b> , 28, 495-506	4.3	1
6	Regional Airway Heterogeneity in Asthma: Histopathology, MRI, and CT Imaging. <i>Chest</i> , <b>2021</b> , 159, 876-877	3.7	0
5	Hyperpolarized Xe Pulmonary MRI and Asymptomatic Atrial Septal Defect.. <i>Chest</i> , <b>2022</b> , 161, e199-e202	5.3	0
4	Structure-Function Imaging of Asthma: Airway and Ventilation Biomarkers. <i>Medical Radiology</i> , <b>2021</b> , 153-174	1.7	0
3	Analysis of Periodicity in Video Sequences Through Dynamic Linear Modeling. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 386-393	0.9	0
2	Pulmonary MRI in Clinical Trials. <i>Medical Radiology</i> , <b>2016</b> , 453-478	0.2	0
1	Inhaled Gas Magnetic Resonance Imaging: Advances, Applications, Limitations, and New Frontiers <b>2021</b> , 245-263		