

# Sarah Svenningsen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5375073/publications.pdf>

Version: 2024-02-01

51  
papers

2,164  
citations

218677

26  
h-index

233421

45  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1865  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyperpolarized <sup>3</sup> He and <sup>129</sup> Xe MR Imaging in Healthy Volunteers and Patients with Chronic Obstructive Pulmonary Disease. <i>Radiology</i> , 2012, 265, 600-610.	7.3	198
2	Asthma Endotypes and an Overview of Targeted Therapy for Asthma. <i>Frontiers in Medicine</i> , 2017, 4, 158.	2.6	190
3	Hyperpolarized <sup>3</sup> He Magnetic Resonance Functional Imaging Semiautomated Segmentation. <i>Academic Radiology</i> , 2012, 19, 141-152.	2.5	170
4	Hyperpolarized <sup>3</sup> He and <sup>129</sup> Xe MRI: Differences in asthma before bronchodilation. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 38, 1521-1530.	3.4	134
5	What are ventilation defects in asthma?. <i>Thorax</i> , 2014, 69, 63-71.	5.6	94
6	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> , 2013, 114, 707-715.	2.5	81
7	On the role of abnormal DL <sub>CO</sub> in ex-smokers without airflow limitation: symptoms, exercise capacity and hyperpolarised helium-3 MRI. <i>Thorax</i> , 2013, 68, 752-759.	5.6	78
8	CT and Functional MRI to Evaluate Airway Mucus in Severe Asthma. <i>Chest</i> , 2019, 155, 1178-1189.	0.8	77
9	Sputum Eosinophilia and Magnetic Resonance Imaging Ventilation Heterogeneity in Severe Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 876-884.	5.6	76
10	Hyperpolarized <sup>129</sup> Xe Magnetic Resonance Imaging. <i>Academic Radiology</i> , 2012, 19, 941-951.	2.5	67
11	Is ventilation heterogeneity related to asthma control?. <i>European Respiratory Journal</i> , 2016, 48, 370-379.	6.7	62
12	Ultra-short echo-time pulmonary MRI: Evaluation and reproducibility in COPD subjects with and without bronchiectasis. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1465-1474.	3.4	61
13	Quantitative Evaluation of Hyperpolarized Helium-3 Magnetic Resonance Imaging of Lung Function Variability in Cystic Fibrosis. <i>Academic Radiology</i> , 2011, 18, 1006-1013.	2.5	53
14	Free-breathing Pulmonary <sup>1</sup> H and Hyperpolarized <sup>3</sup> He MRI. <i>Academic Radiology</i> , 2015, 22, 320-329.	2.5	50
15	Eosinophil-derived IL-13 promotes emphysema. <i>European Respiratory Journal</i> , 2019, 53, 1801291.	6.7	47
16	Is Computed Tomography Airway Count Related to Asthma Severity and Airway Structure and Function?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 923-933.	5.6	46
17	Sputum Antineutrophil Cytoplasmic Antibodies in Serum Antineutrophil Cytoplasmic Antibody – Negative Eosinophilic Granulomatosis with Polyangiitis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 158-170.	5.6	43
18	Glucocorticosteroid subsensitivity and asthma severity. <i>Current Opinion in Pulmonary Medicine</i> , 2017, 23, 78-88.	2.6	37

#	ARTICLE	IF	CITATIONS
19	Persistent <sup>129</sup> Xe MRI Pulmonary and CT Vascular Abnormalities in Symptomatic Individuals with Post-acute COVID-19 Syndrome. <i>Radiology</i> , 2022, 305, 466-476.	7.3	37
20	Hyperpolarized <sup>3</sup> He and <sup>129</sup> Xe magnetic resonance imaging apparent diffusion coefficients: physiological relevance in older never- and ex-smokers. <i>Physiological Reports</i> , 2014, 2, e12068.	1.7	35
21	Protocols for multi-site trials using hyperpolarized <sup>129</sup> Xe MRI for imaging of ventilation, alveolar airspace size, and gas exchange: A position paper from the <sup>129</sup> Xe MRI clinical trials consortium. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2966-2986.	3.0	35
22	Free-breathing Pulmonary MR Imaging to Quantify Regional Ventilation. <i>Radiology</i> , 2018, 287, 693-704.	7.3	32
23	Oscillatory Positive Expiratory Pressure in Chronic Obstructive Pulmonary Disease. <i>COPD: Journal of Chronic Obstructive Pulmonary Disease</i> , 2016, 13, 66-74.	1.6	31
24	Globally optimal co-segmentation of three-dimensional pulmonary 1H and hyperpolarized <sup>3</sup> He MRI with spatial consistence prior. <i>Medical Image Analysis</i> , 2015, 23, 43-55.	11.6	30
25	What is the minimal clinically important difference for helium-3 magnetic resonance imaging ventilation defects?. <i>European Respiratory Journal</i> , 2018, 51, 1800324.	6.7	29
26	Free-breathing Functional Pulmonary MRI. <i>Academic Radiology</i> , 2017, 24, 1268-1276.	2.5	27
27	Pulmonary Functional Magnetic Resonance Imaging. <i>Academic Radiology</i> , 2014, 21, 1402-1410.	2.5	25
28	Ultrashort echo time MRI biomarkers of asthma. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1204-1215.	3.4	25
29	Asthma Control, Airway Mucus, and <sup>129</sup> Xe MRI Ventilation After a Single Benralizumab Dose. <i>Chest</i> , 2022, 162, 520-533.	0.8	25
30	Effects of Anti-T2 Biologic Treatment on Lung Ventilation Evaluated by MRI in Adults With Prednisone-Dependent Asthma. <i>Chest</i> , 2020, 158, 1350-1360.	0.8	24
31	Hyperpolarized Helium 3 MRI in Mild-to-Moderate Asthma: Prediction of Postbronchodilator Reversibility. <i>Radiology</i> , 2019, 293, 212-220.	7.3	23
32	Hyperpolarized <sup>3</sup> He magnetic resonance imaging ventilation defects in asthma: relationship to airway mechanics. <i>Physiological Reports</i> , 2016, 4, e12761.	1.7	22
33	Ventilation Heterogeneity in Never-smokers and COPD:. <i>Academic Radiology</i> , 2016, 23, 398-405.	2.5	21
34	Reproducibility of Hyperpolarized <sup>129</sup> Xe MRI Ventilation Defect Percent in Severe Asthma to Evaluate Clinical Trial Feasibility. <i>Academic Radiology</i> , 2020, 28, 817-826.	2.5	21
35	Differences in hyperpolarized <sup>3</sup> He ventilation imaging after 4 years in adults with cystic fibrosis. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 1701-1707.	3.4	20
36	MRI ventilation abnormalities predict quality-of-life and lung function changes in mild-to-moderate COPD: longitudinal TINCan study. <i>Thorax</i> , 2017, 72, 475-477.	5.6	20

#	ARTICLE	IF	CITATIONS
37	Thoracic <scp>CT</scp>â€œ<scp>MRI</scp> coregistration for regional pulmonary structureâ€œfunction measurements of obstructive lung disease. <i>Medical Physics</i> , 2017, 44, 1718-1733.	3.0	17
38	Pulmonary ventilation defects in older never-smokers. <i>Journal of Applied Physiology</i> , 2014, 117, 297-306.	2.5	16
39	Normalisation of MRI ventilation heterogeneity in severe asthma by dupilumab. <i>Thorax</i> , 2019, 74, 1087-1088.	5.6	15
40	Noncystic Fibrosis Bronchiectasis. <i>Academic Radiology</i> , 2017, 24, 4-12.	2.5	13
41	Second-order Texture Measurements of 3He Ventilation MRI:. <i>Academic Radiology</i> , 2016, 23, 176-185.	2.5	10
42	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> , 2021, 7, 00268-2021.	2.6	10
43	Lasting Changes to Circulating Leukocytes in People with Mild SARS-CoV-2 Infections. <i>Viruses</i> , 2021, 13, 2239.	3.3	10
44	Optimizing sputum cell counts prior to bronchial thermoplasty: A preliminary report. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 2019, 3, 143-147.	0.5	7
45	Nonidentical Twins With Asthma. <i>Chest</i> , 2019, 156, e111-e116.	0.8	6
46	Persistent Airway Plugs: A Call for Clinical Recognition and Novel Therapies. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, , .	5.6	5
47	Oscillatory Positive Expiratory Pressure (oPEP) Treatment in Chronic Obstructive Pulmonary Disease. <i>Chest</i> , 2013, 144, 741A.	0.8	4
48	Lessons of the month: A breathless severe asthmatic in the genomic era: Occam's razor or Hickam's dictum?. <i>Clinical Medicine</i> , 2020, 20, e264-e266.	1.9	3
49	There is more to severe asthma associated with obesity than inflammation. <i>Respirology</i> , 2021, 26, 288-289.	2.3	2
50	Response. <i>Chest</i> , 2019, 156, 808-809.	0.8	0
51	Ventilation and perfusion abnormalities following recovery from noncritical COVID-19. <i>Canadian Journal of Respiratory, Critical Care, and Sleep Medicine</i> , 0, , 1-10.	0.5	0