

# Asa M Wheelock

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6230093/publications.pdf>

Version: 2024-02-01

58  
papers

2,516  
citations

218592

26  
h-index

197736

49  
g-index

62  
all docs

62  
docs citations

62  
times ranked

4534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered microRNA profiles in bronchoalveolar lavage fluid exosomes in asthmatic patients. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 894-903.e8.	1.5	266
2	Trials and tribulations of omics data analysis: assessing quality of SIMCA-based multivariate models using examples from pulmonary medicine. <i>Molecular BioSystems</i> , 2013, 9, 2589.	2.9	255
3	NAPHTHALENE-INDUCED RESPIRATORY TRACT TOXICITY: METABOLIC MECHANISMS OF TOXICITY. <i>Drug Metabolism Reviews</i> , 2002, 34, 791-820.	1.5	123
4	The chitinase-like protein YKL-40: A possible biomarker of inflammation and airway remodeling in severe pediatric asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 132, 328-335.e5.	1.5	111
5	Assessing Recent Smoking Status by Measuring Exhaled Carbon Monoxide Levels. <i>PLoS ONE</i> , 2011, 6, e28864.	1.1	106
6	Systems biology approaches and pathway tools for investigating cardiovascular disease. <i>Molecular BioSystems</i> , 2009, 5, 588.	2.9	96
7	Software-induced variance in two-dimensional gel electrophoresis image analysis. <i>Electrophoresis</i> , 2005, 26, 4508-4520.	1.3	90
8	Integration of multi-omics datasets enables molecular classification of COPD. <i>European Respiratory Journal</i> , 2018, 51, 1701930.	3.1	83
9	The use of network analyses for elucidating mechanisms in cardiovascular disease. <i>Molecular BioSystems</i> , 2010, 6, 289-304.	2.9	81
10	Metabolomics analysis identifies sex-associated metabolotypes of oxidative stress and the autotaxin-lysoPA axis in COPD. <i>European Respiratory Journal</i> , 2017, 49, 1602322.	3.1	74
11	Distribution of T-Cell Subsets in BAL Fluid of Patients With Mild to Moderate COPD Depends on Current Smoking Status and Not Airway Obstruction. <i>Chest</i> , 2014, 145, 711-722.	0.4	67
12	Linoleic acid-derived lipid mediators increase in a female-dominated subphenotype of COPD. <i>European Respiratory Journal</i> , 2016, 47, 1645-1656.	3.1	61
13	Lipid Mediator Profiling in Pulmonary Disease. <i>Current Pharmaceutical Biotechnology</i> , 2011, 12, 1026-1052.	0.9	59
14	Gender differences in the bronchoalveolar lavage cell proteome of patients with chronic obstructive pulmonary disease. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, 743-751.e9.	1.5	58
15	Asthmatics Exhibit Altered Oxylin Profiles Compared to Healthy Individuals after Subway Air Exposure. <i>PLoS ONE</i> , 2011, 6, e23864.	1.1	57
16	Lung density on high resolution computer tomography (HRCT) reflects degree of inflammation in smokers. <i>Respiratory Research</i> , 2014, 15, 23.	1.4	57
17	Building Multivariate Systems Biology Models. <i>Analytical Chemistry</i> , 2012, 84, 7064-7071.	3.2	56
18	Allergic Asthmatics Show Divergent Lipid Mediator Profiles from Healthy Controls Both at Baseline and following Birch Pollen Provocation. <i>PLoS ONE</i> , 2012, 7, e33780.	1.1	54

#	ARTICLE	IF	CITATIONS
19	Urinary Leukotriene E <sub>4</sub> and Prostaglandin D <sub>2</sub> Metabolites Increase in Adult and Childhood Severe Asthma Characterized by Type 2 Inflammation. A Clinical Observational Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 37-53.	2.5	49
20	Evaluation of $\beta$ -cyanoesters as fluorescent substrates for examining interindividual variation in general and pyrethroid-selective esterases in human liver microsomes. <i>Analytical Biochemistry</i> , 2003, 315, 208-222.	1.1	48
21	Approach for Identifying Human Leukocyte Antigen (HLA)-DR Bound Peptides from Scarce Clinical Samples. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 3017-3029.	2.5	46
22	Effects of post-electrophoretic analysis on variance in gel-based proteomics. <i>Expert Review of Proteomics</i> , 2006, 3, 129-142.	1.3	36
23	Toxicity and metabolism of methylnaphthalenes: Comparison with naphthalene and 1-nitronaphthalene. <i>Toxicology</i> , 2009, 260, 16-27.	2.0	36
24	In the Eye of the Beholder: Does the Master See the Same Spots as the Novice?. <i>Journal of Proteome Research</i> , 2010, 9, 1522-1532.	1.8	33
25	Pulmonary outcomes in adults with a history of Bronchopulmonary Dysplasia differ from patients with asthma. <i>Respiratory Research</i> , 2019, 20, 102.	1.4	31
26	Isolation of rodent airway epithelial cell proteins facilitates in vivo proteomics studies of lung toxicity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 286, L399-L410.	1.3	27
27	Gender differences in the T-cell profiles of the airways in COPD patients associated with clinical phenotypes. <i>International Journal of COPD</i> , 2017, Volume 12, 35-48.	0.9	27
28	An LC-MS/MS workflow to characterize 16 regio- and stereoisomeric trihydroxyoctadecenoic acids[S]. <i>Journal of Lipid Research</i> , 2018, 59, 2025-2033.	2.0	27
29	Long-term smoking alters abundance of over half of the proteome in bronchoalveolar lavage cell in smokers with normal spirometry, with effects on molecular pathways associated with COPD. <i>Respiratory Research</i> , 2018, 19, 40.	1.4	26
30	Proteomic profiling of lung immune cells reveals dysregulation of phagocytotic pathways in female-dominated molecular COPD phenotype. <i>Respiratory Research</i> , 2018, 19, 39.	1.4	24
31	Multiomics integration-based molecular characterizations of COVID-19. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	24
32	Use of a fluorescent internal protein standard to achieve quantitative two-dimensional gel electrophoresis. <i>Proteomics</i> , 2006, 6, 1385-1398.	1.3	23
33	Increased pulmonary Wnt (wingless/integrated)-signaling in patients with sarcoidosis. <i>Respiratory Medicine</i> , 2011, 105, 282-291.	1.3	22
34	Quantitative intact proteomics investigations of alveolar macrophages in sarcoidosis. <i>European Respiratory Journal</i> , 2013, 41, 1331-1339.	3.1	21
35	High-Precision Automated Workflow for Urinary Untargeted Metabolomic Epidemiology. <i>Analytical Chemistry</i> , 2021, 93, 5248-5258.	3.2	21
36	In Vivo Effects of Ozone Exposure on Protein Adduct Formation by 1-Nitronaphthalene in Rat Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 33, 130-137.	1.4	20

#	ARTICLE	IF	CITATIONS
37	Integration of gene expression and DNA methylation identifies epigenetically controlled modules related to PM2.5 exposure. <i>Environment International</i> , 2021, 146, 106248.	4.8	20
38	Network analysis identifies a putative role for the PPAR and type 1 interferon pathways in glucocorticoid actions in asthmatics. <i>BMC Medical Genomics</i> , 2012, 5, 27.	0.7	19
39	The neutrophil-mobilizing cytokine interleukin-26 in the airways of long-term tobacco smokers. <i>Clinical Science</i> , 2018, 132, 959-983.	1.8	19
40	Dysregulation of the Tryptophan Pathway Evidences Gender Differences in COPD. <i>Metabolites</i> , 2019, 9, 212.	1.3	18
41	Increased cytotoxic T-cells in the airways of adults with former bronchopulmonary dysplasia. <i>European Respiratory Journal</i> , 2022, 60, 2102531.	3.1	17
42	MicroRNA miR-24-3p reduces DNA damage responses, apoptosis, and susceptibility to chronic obstructive pulmonary disease. <i>JCI Insight</i> , 2021, 6, .	2.3	16
43	Differences in regional air trapping in current smokers with normal spirometry. <i>European Respiratory Journal</i> , 2017, 49, 1600345.	3.1	14
44	Urinary metabolite of severe asthma evidences decreased carnitine metabolism independent of oral corticosteroid treatment in the U-BIOPRED study. <i>European Respiratory Journal</i> , 2022, 59, 2101733.	3.1	13
45	The Role of Inflammatory Mediators in the Synergistic Toxicity of Ozone and 1-Nitronaphthalene in Rat Airways. <i>Environmental Health Perspectives</i> , 2006, 114, 1354-1360.	2.8	11
46	Smoking-associated increase in mucins 1 and 4 in human airways. <i>Respiratory Research</i> , 2020, 21, 239.	1.4	11
47	A multi-omics approach to delineate sputum microbiome-associated asthma inflammatory phenotypes. <i>European Respiratory Journal</i> , 2022, 59, 2102603.	3.1	11
48	Distal Lung Microenvironment Triggers Release of Mediators Recognized as Potential Systemic Biomarkers for Idiopathic Pulmonary Fibrosis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13421.	1.8	9
49	HPLC/MS/MS-Based Approaches for Detection and Quantification of Eicosanoids. <i>Methods in Molecular Biology</i> , 2009, 579, 161-187.	0.4	8
50	Troubleshooting Image Analysis in 2DE. <i>Methods in Molecular Biology</i> , 2009, 519, 112-129.	0.4	7
51	Use of Time-Resolved Fluorescence To Improve Sensitivity and Dynamic Range of Gel-Based Proteomics. <i>Analytical Chemistry</i> , 2016, 88, 3067-3074.	3.2	7
52	Fast rasterscanning enables FLIM in macroscopic samples up to several centimeters. <i>Proceedings of SPIE</i> , 2010, , .	0.8	5
53	Soluble epoxide hydrolase derived lipid mediators are elevated in bronchoalveolar lavage fluid from patients with sarcoidosis: a cross-sectional study. <i>Respiratory Research</i> , 2018, 19, 236.	1.4	4
54	Enlistment of omics technologies in the fight against malaria: Panacea or Pandora's Box?. <i>Journal of Pesticide Sciences</i> , 2006, 31, 263-272.	0.8	3

#	ARTICLE	IF	CITATIONS
55	Long-Term Ozone Exposure Attenuates 1-Nitronaphthalene-Induced Cytotoxicity in Nasal Mucosa. American Journal of Respiratory Cell and Molecular Biology, 2008, 38, 300-309.	1.4	3
56	The use of time-resolved fluorescence in gel-based proteomics for improved biomarker discovery. Proceedings of SPIE, 2010, , .	0.8	2
57	Bioinformatics in Gel-Based Proteomics. , 0, , 105-125.		1
58	Carbon monoxide levels in exhaled breath as a measure of recent smoking status. Clinical Respiratory Journal, 2011, 5, 8-9.	0.6	1