Asa M Wheelock

List of Publications by Year
in descending order

58	2,516	218677	197818
papers	citations	26 h-index	49 g-index

62	62	62	4534
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Altered microRNA profiles in bronchoalveolar lavage fluid exosomes in asthmatic patients. Journal of Allergy and Clinical Immunology, 2013, 131, 894-903.e8.	2.9	266
2	Trials and tribulations of â€˜omics data analysis: assessing quality of SIMCA-based multivariate models using examples from pulmonary medicine. Molecular BioSystems, 2013, 9, 2589.	2.9	255
3	NAPHTHALENE-INDUCED RESPIRATORY TRACT TOXICITY: METABOLIC MECHANISMS OF TOXICITY. Drug Metabolism Reviews, 2002, 34, 791-820.	3.6	123
4	The chitinase-like protein YKL-40: AÂpossible biomarker of inflammation and airway remodeling in severe pediatric asthma. Journal of Allergy and Clinical Immunology, 2013, 132, 328-335.e5.	2.9	111
5	Assessing Recent Smoking Status by Measuring Exhaled Carbon Monoxide Levels. PLoS ONE, 2011, 6, e28864.	2.5	106
6	Systems biology approaches and pathway tools for investigating cardiovascular disease. Molecular BioSystems, 2009, 5, 588.	2.9	96
7	Software-induced variance in two-dimensional gel electrophoresis image analysis. Electrophoresis, 2005, 26, 4508-4520.	2.4	90
8	Integration of multi-omics datasets enables molecular classification of COPD. European Respiratory Journal, 2018, 51, 1701930.	6.7	83
9	The use of network analyses for elucidating mechanisms in cardiovascular disease. Molecular BioSystems, 2010, 6, 289-304.	2.9	81
10	Metabolomics analysis identifies sex-associated metabotypes of oxidative stress and the autotaxinâ€“lysoPA axis inÂCOPD. European Respiratory Journal, 2017, 49, 1602322.	6.7	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. Chest, 2014, 145, 711-722.	0.8	67
12	Linoleic acid-derived lipid mediators increase in a female-dominated subphenotype of COPD. European Respiratory Journal, 2016, 47, 1645-1656.	6.7	61
13	Lipid Mediator Profiling in Pulmonary Disease. Current Pharmaceutical Biotechnology, 2011, 12, 1026-1052.	1.6	59
14	Gender differences in the bronchoalveolar lavage cell proteome of patients with chronic obstructive pulmonary disease. Journal of Allergy and Clinical Immunology, 2013, 131, 743-751.e9.	2.9	58
15	Asthmatics Exhibit Altered Oxylipin Profiles Compared to Healthy Individuals after Subway Air Exposure. PLoS ONE, 2011, 6, e23864.	2.5	57
16	Lung density on high resolution computer tomography (HRCT) reflects degree of inflammation in smokers. Respiratory Research, 2014, 15, 23.	3.6	57
17	Building Multivariate Systems Biology Models. Analytical Chemistry, 2012, 84, 7064-7071.	6.5	56
18	Allergic Asthmatics Show Divergent Lipid Mediator Profiles from Healthy Controls Both at Baseline and following Birch Pollen Provocation. PLoS ONE, 2012, 7, e33780.	2.5	54

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19	Urinary Leukotriene E₄and Prostaglandin D₂Metabolites Increase in Adult and Childhood Severe Asthma Characterized by Type 2 Inflammation. A Clinical Observational Study. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 37-53.	5.6	49
20	Evaluation of Î±-cyanoesters as fluorescent substrates for examining interindividual variation in general and pyrethroid-selective esterases in human liver microsomes. Analytical Biochemistry, 2003, 315, 208-222.	2.4	48
21	Approach for Identifying Human Leukocyte Antigen (HLA)-DR Bound Peptides from Scarce Clinical Samples. Molecular and Cellular Proteomics, 2016, 15, 3017-3029.	3.8	46
22	Effects of post-electrophoretic analysis on variance in gel-based proteomics. Expert Review of Proteomics, 2006, 3, 129-142.	3.0	36
23	Toxicity and metabolism of methylnaphthalenes: Comparison with naphthalene and 1-nitronaphthalene. Toxicology, 2009, 260, 16-27.	4.2	36
24	In the Eye of the Beholder: Does the Master See the SameSpots as the Novice?. Journal of Proteome Research, 2010, 9, 1522-1532.	3.7	33
25	Pulmonary outcomes in adults with a history of Bronchopulmonary Dysplasia differ from patients with asthma. Respiratory Research, 2019, 20, 102.	3.6	31
26	Isolation of rodent airway epithelial cell proteins facilitates in vivo proteomics studies of lung toxicity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 286, L399-L410.	2.9	27
27	Gender differences in the T-cell profiles of the airways in COPD patients associated with clinical phenotypes. International Journal of COPD, 2017, Volume 12, 35-48.	2.3	27
28	An LC-MS/MS workflow to characterize 16 regio- and stereoisomeric trihydroxyoctadecenoic acids[S]. Journal of Lipid Research, 2018, 59, 2025-2033.	4.2	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. Respiratory Research, 2018, 19, 40.	3.6	26
30	Proteomic profiling of lung immune cells reveals dysregulation of phagocytotic pathways in female-dominated molecular COPD phenotype. Respiratory Research, 2018, 19, 39.	3.6	24
31	Multiomics integration-based molecular characterizations of COVID-19. Briefings in Bioinformatics, 2022, 23, .	6.5	24
32	Use of a fluorescent internal protein standard to achieve quantitative two-dimensional gel electrophoresis. Proteomics, 2006, 6, 1385-1398.	2.2	23
33	Increased pulmonary Wnt (wingless/integrated)-signaling in patients with sarcoidosis. Respiratory Medicine, 2011, 105, 282-291.	2.9	22
34	Quantitative intact proteomics investigations of alveolar macrophages in sarcoidosis. European Respiratory Journal, 2013, 41, 1331-1339.	6.7	21
35	High-Precision Automated Workflow for Urinary Untargeted Metabolomic Epidemiology. Analytical Chemistry, 2021, 93, 5248-5258.	6.5	21
36	In VivoEffects of Ozone Exposure on Protein Adduct Formation by 1-Nitronaphthalene in Rat Lung. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 130-137.	2.9	20

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37	Integration of gene expression and DNA methylation identifies epigenetically controlled modules related to PM2.5 exposure. Environment International, 2021, 146, 106248.	10.0	20
38	Network analysis identifies a putative role for the PPAR and type 1 interferon pathways in glucocorticoid actions in asthmatics. BMC Medical Genomics, 2012, 5, 27.	1.5	19
39	The neutrophil-mobilizing cytokine interleukin-26 in the airways of long-term tobacco smokers. Clinical Science, 2018, 132, 959-983.	4.3	19
40	Dysregulation of the Tryptophan Pathway Evidences Gender Differences in COPD. Metabolites, 2019, 9, 212.	2.9	18
41	Increased cytotoxic T-cells in the airways of adults with former bronchopulmonary dysplasia. European Respiratory Journal, 2022, 60, 2102531.	6.7	17
42	MicroRNA miR-24-3p reduces DNA damage responses, apoptosis, and susceptibility to chronic obstructive pulmonary disease. JCI Insight, 2021, 6, .	5.0	16
43	Differences in regional air trapping in current smokers with normal spirometry. European Respiratory Journal, 2017, 49, 1600345.	6.7	14
44	Urinary metabotype of severe asthma evidences decreased carnitine metabolism independent of oral corticosteroid treatment in the U-BIOPRED study. European Respiratory Journal, 2022, 59, 2101733.	6.7	13
45	The Role of Inflammatory Mediators in the Synergistic Toxicity of Ozone and 1-Nitronaphthalene in Rat Airways. Environmental Health Perspectives, 2006, 114, 1354-1360.	6.0	11
46	Smoking-associated increase in mucins 1 and 4 in human airways. Respiratory Research, 2020, 21, 239.	3.6	11
47	A multi-omics approach to delineate sputum microbiome-associated asthma inflammatory phenotypes. European Respiratory Journal, 2022, 59, 2102603.	6.7	11
48	Distal Lung Microenvironment Triggers Release of Mediators Recognized as Potential Systemic Biomarkers for Idiopathic Pulmonary Fibrosis. International Journal of Molecular Sciences, 2021, 22, 13421.	4.1	9
49	HPLC/MS/MS-Based Approaches for Detection and Quantification of Eicosanoids. Methods in Molecular Biology, 2009, 579, 161-187.	0.9	8
50	Troubleshooting Image Analysis in 2DE. Methods in Molecular Biology, 2009, 519, 112-129.	0.9	7
51	Use of Time-Resolved Fluorescence To Improve Sensitivity and Dynamic Range of Gel-Based Proteomics. Analytical Chemistry, 2016, 88, 3067-3074.	6.5	7
52	Fast rasterscanning enables FLIM in macroscopic samples up to several centimeters. Proceedings of SPIE, 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. Respiratory Research, 2018, 19, 236.	3.6	4
54	Enlistment of omics technologies in the fight against malaria: Panacea or Pandora's Box?. Journal of Pesticide Sciences, 2006, 31, 263-272.	1.4	3

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55	Long-Term Ozone Exposure Attenuates 1-Nitronaphthaleneâ€“Induced Cytotoxicity in Nasal Mucosa. American Journal of Respiratory Cell and Molecular Biology, 2008, 38, 300-309.	2.9	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.	1.6	1