Anna Nolan

List of Publications by Year
in descending order

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113 papers	2,602 citations	236925 25 h-index	206112 48 g-index
118 all docs	118 docs citations	118 times ranked	3172 citing authors

#	Article	IF	Citations
1	Exosomes Derived from Bone Marrow Mesenchymal Stem Cells as Treatment for Severe COVID-19. Stem Cells and Development, 2020, 29, 747-754.	2.1	469
2	A strategy of escalating doses of benzodiazepines and phenobarbital administration reduces the need for mechanical ventilation in delirium tremens*. Critical Care Medicine, 2007, 35, 724-730.	0.9	205
3	Differential Role for CD80 and CD86 in the Regulation of the Innate Immune Response in Murine Polymicrobial Sepsis. PLoS ONE, 2009, 4, e6600.	2.5	103
4	Obstructive Airways Disease With Air Trapping Among Firefighters Exposed to World Trade Center Dust. Chest, 2010, 137, 566-574.	0.8	103
5	Metabolic Syndrome Biomarkers Predict Lung Function Impairment. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 392-399.	5.6	84
6	CD40 and CD80/86 Act Synergistically to Regulate Inflammation and Mortality in Polymicrobial Sepsis. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 301-308.	5.6	81
7	Physicianâ€diagnosed respiratory conditions and mental health symptoms 7â€“9 years following the World Trade Center disaster. American Journal of Industrial Medicine, 2011, 54, 661-671.	2.1	79
8	Inflammatory Biomarkers Predict Airflow Obstruction After Exposure to World Trade Center Dust. Chest, 2012, 142, 412-418.	0.8	67
9	Quantitative lung morphology:Âsemi-automated measurement of mean linear intercept. BMC Pulmonary Medicine, 2019, 19, 206.	2.0	64
10	HIV-1 and Bacterial Pneumonia in the Era of Antiretroviral Therapy. Proceedings of the American Thoracic Society, 2011, 8, 282-287.	3.5	60
11	Gene expression profiles of bronchoalveolar cells in pulmonary TB. Tuberculosis, 2008, 88, 39-51.	1.9	59
12	Enhanced Gastrointestinal Motility with Orally Active Ghrelin Receptor Agonists. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 1178-1186.	2.5	56
13	Lung Function Trajectories in World Trade Center-Exposed New York City Firefighters Over 13 Years. Chest, 2016, 149, 1419-1427.	0.8	51
14	CD40 Contributes to Lethality in Acute Sepsis: In Vivo Role for CD40 in Innate Immunity. Infection and Immunity, 2003, 71, 3521-3528.	2.2	50
15	Exogenous Gamma and Alpha/Beta Interferon Rescues Human Macrophages from Cell Death Induced by Bacillus anthracis. Infection and Immunity, 2004, 72, 1291-1297.	2.2	47
16	Cardiovascular biomarkers predict susceptibility to lung injury in World Trade Center dust-exposed firefighters. European Respiratory Journal, 2013, 41, 1023-1030.	6.7	47
17	Clinical Course of Sarcoidosis in World Trade Center-Exposed Firefighters. Chest, 2018, 153, 114-123.	0.8	43
18	Predictors of Asthma/COPD Overlap in FDNY Firefighters With World Trade Center Dust Exposure. Chest, 2018, 154, 1301-1310.	0.8	40

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19	Characterization of the insulin sensitivity of ghrelin receptor KO mice using glycemic clamps. BMC Physiology, 2011, 11, 1.	3.6	37
20	Bronchial Reactivity and Lung Function After World Trade Center Exposure. Chest, 2016, 150, 1333-1340.	0.8	37
21	Blood Leukocyte Concentrations, FEV₁ Decline, and Airflow Limitation. A 15-Year Longitudinal Study of World Trade Centerâ€“exposed Firefighters. Annals of the American Thoracic Society, 2018, 15, 173-183.	3.2	37
22	Vascular Endothelial Growth Factor Blockade Reduces Plasma Cytokines in a Murine Model of Polymicrobial Sepsis. Inflammation, 2004, 28, 271-278.	3.8	34
23	Biomarkers of World Trade Center Particulate Matter Exposure: Physiology of Distal Airway and Blood Biomarkers that Predict FEV1 Decline. Seminars in Respiratory and Critical Care Medicine, 2015, 36, 323-333.	2.1	32
24	Metabolic Syndrome and Air Pollution: A Narrative Review of Their Cardiopulmonary Effects. Toxics, 2019, 7, 6.	3.7	30
25	Neutrophils Activate Alveolar Macrophages by Producing Caspase-6â€“Mediated Cleavage of IL-1 Receptor-Associated Kinase-M. Journal of Immunology, 2011, 186, 403-410.	0.8	27
26	Receptor for advanced glycation end-products and World Trade Center particulate induced lung function loss: A case-cohort study and murine model of acute particulate exposure. PLoS ONE, 2017, 12, e0184331.	2.5	27
27	Comparison of WTC Dust Size on Macrophage Inflammatory Cytokine Release In vivo and In vitro. PLoS ONE, 2012, 7, e40016.	2.5	25
28	Pharmacologic Inhibition of Ghrelin Receptor Signaling Is Insulin Sparing and Promotes Insulin Sensitivity. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 115-124.	2.5	24
29	Chitotriosidase is a Biomarker for the Resistance to World Trade Center Lung Injury in New York City Firefighters. Journal of Clinical Immunology, 2013, 33, 1134-1142.	3.8	23
30	Elevated IP-10 and IL-6 from bronchoalveolar lavage cells are biomarkers of non-cavitary tuberculosis. International Journal of Tuberculosis and Lung Disease, 2013, 17, 922-927.	1.2	22
31	Predictive Biomarkers of Gastroesophageal Reflux Disease and Barrettâ€™s Esophagus in World Trade Center Exposed Firefighters: a 15 Year Longitudinal Study. Scientific Reports, 2018, 8, 3106.	3.3	21
32	CD40 BUT NOT CD154 KNOCKOUT MICE HAVE REDUCED INFLAMMATORY RESPONSE IN POLYMICROBIAL SEPSIS: A POTENTIAL ROLE FOR ESCHERICHIA COLI HEAT SHOCK PROTEIN 70 IN CD40-MEDIATED INFLAMMATION IN VIVO. Shock, 2004, 22, 538-542.	2.1	20
33	Lysophosphatidic acid and apolipoprotein A1 predict increased risk of developing World Trade Center-lung injury: a nested case-control study. Biomarkers, 2014, 19, 159-165.	1.9	20
34	Metabolomics of World Trade Center-Lung Injury: a machine learning approach. BMJ Open Respiratory Research, 2018, 5, e000274.	3.0	20
35	The respiratory pyramid: From symptoms to disease in World Trade Center exposed firefighters. American Journal of Industrial Medicine, 2013, 56, 870-880.	2.1	19
36	High burden of clonal hematopoiesis in first responders exposed to the World Trade Center disaster. Nature Medicine, 2022, 28, 468-471.	30.7	19

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37	Longitudinal Pulmonary Function in Newly Hired, Non-World Trade Center-Exposed Fire Department City of New York Firefighters. Chest, 2013, 143, 791-797.	0.8	18
38	Early Elevation of Serum MMP-3 and MMP-12 Predicts Protection from World Trade Center-Lung Injury in New York City Firefighters: A Nested Case-Control Study. PLoS ONE, 2013, 8, e76099.	2.5	18
39	Factors associated with combined do-not-resuscitate and do-not-intubate orders: A retrospective chart review at an urban tertiary care center. Resuscitation, 2018, 130, 1-5.	3.0	18
40	Validation of Predictive Metabolic Syndrome Biomarkers of World Trade Center Lung Injury. Chest, 2019, 156, 486-496.	0.8	18
41	Estimating the Time Interval Between Exposure to the World Trade Center Disaster and Incident Diagnoses of Obstructive Airway Disease. American Journal of Epidemiology, 2014, 180, 272-279.	3.4	17
42	Metabolic Syndrome Biomarkers of World Trade Center Airway Hyperreactivity: A 16-Year Prospective Cohort Study. International Journal of Environmental Research and Public Health, 2019, 16, 1486.	2.6	17
43	Increased Production of IL-4 and IL-12p40 from Bronchoalveolar Lavage Cells Are Biomarkers of Mycobacterium tuberculosis in the Sputum. PLoS ONE, 2013, 8, e59461.	2.5	16
44	Enlarged pulmonary artery is predicted by vascular injury biomarkers and is associated with WTC-Lung Injury in exposed fire fighters: a case-control study. BMJ Open, 2014, 4, e005575-e005575.	1.9	16
45	MMP-2 and TIMP-1 predict healing of WTC-lung injury in New York City firefighters. Respiratory Research, 2014, 15, 5.	3.6	15
46	Receptor for advanced glycation end-products and environmental exposure related obstructive airways disease: a systematic review. European Respiratory Review, 2019, 28, 180096.	7.1	15
47	One airway: Biomarkers of protection from upper and lower airway injury after World Trade Center exposure. Respiratory Medicine, 2014, 108, 162-170.	2.9	14
48	Blood Eosinophils and World Trade Center Exposure Predict Surgery in Chronic Rhinosinusitis. A 13.5-Year Longitudinal Study. Annals of the American Thoracic Society, 2016, 13, 1253-1261.	3.2	14
49	Twenty-Year Reflection on the Impact of World Trade Center Exposure on Pulmonary Outcomes in Fire Department of the City of New YorkÂ(FDNY) Rescue and Recovery Workers. Lung, 2021, 199, 569-578.	3.3	14
50	Prehospital hypoxemia, measured by pulse oximetry, predicts hospital outcomes during the New York City COVIDâ€19 pandemic. Journal of the American College of Emergency Physicians Open, 2021, 2, e12407.	0.7	13
51	Refractory Sarcoid Arthritis in World Trade Centerâ€“Exposed New York City Firefighters. Journal of Clinical Rheumatology, 2015, 21, 19-23.	0.9	11
52	Assessing the Protective Metabolome Using Machine Learning in World Trade Center Particulate Exposed Firefighters at Risk for Lung Injury. Scientific Reports, 2019, 9, 11939.	3.3	11
53	The Duration of an Exposure Response Gradient between Incident Obstructive Airways Disease and Work at the World Trade Center Site: 2001-2011. PLOS Currents, 2015, 7, .	1.4	11
54	A simple modification of a domestic microwave oven for improved temperature control. Journal of Chemical Education, 1992, 69, 599.	2.3	10

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55	Post-9/11/2001 lung function trajectories by sex and race in World Trade Center-exposed New York City emergency medical service workers. Occupational and Environmental Medicine, 2017, 74, 200-203.	2.8	10
56	YKL-40 is a Protective Biomarker for Fatty Liver in World Trade Center Particulate Matter-Exposed Firefighters. Journal of Molecular Biomarkers & Diagnosis, 2014, 05, .	0.4	9
57	The upper respiratory pyramid: Early factors and later treatment utilization in World Trade Center exposed firefighters. American Journal of Industrial Medicine, 2014, 57, 857-865.	2.1	9
58	Zika Virusâ€"Associated Guillain-BarrÃ© Syndrome in a Returning US Traveler. Infectious Diseases in Clinical Practice, 2018, 26, e80-e84.	0.3	9
59	Multiomics of World Trade Center Particulate Matterâ€"induced Persistent Airway Hyperreactivity. Role of Receptor for Advanced Glycation End Products. American Journal of Respiratory Cell and Molecular Biology, 2020, 63, 219-233.	2.9	9
60	Association of low FVC spirometric pattern with WTC occupational exposures. Respiratory Medicine, 2020, 170, 106058.	2.9	9
61	Pre-COVID-19 lung function and other risk factors for severe COVID-19 in first responders. ERJ Open Research, 2021, 7, 00610-2020.	2.6	9
62	Genomics of Particulate Matter Exposure Associated Cardiopulmonary Disease: A Narrative Review. International Journal of Environmental Research and Public Health, 2019, 16, 4335.	2.6	7
63	World Trade Center-Cardiorespiratory and Vascular Dysfunction: Assessing the Phenotype and Metabolome of a Murine Particulate Matter Exposure Model. Scientific Reports, 2020, 10, 3130.	3.3	7
64	PEDF, a pleiotropic WTC-LI biomarker: Machine learning biomarker identification and validation. PLoS Computational Biology, 2021, 17, e1009144.	3.2	7
65	Exogenous Interferon-Î± and Interferon-Î³ Increase Lethality of Murine Inhalational Anthrax. PLoS ONE, 2007, 2, e736.	2.5	7
66	Acute Respiratory Failure Secondary to Achalasia. Annals of the American Thoracic Society, 2013, 10, 268-271.	3.2	6
67	Biomarkers of patient intrinsic risk for upper and lower airway injury after exposure to the World Trade Center atrocity. American Journal of Industrial Medicine, 2016, 59, 788-794.	2.1	6
68	Dynamic Metabolic Risk Profiling of World Trade Center Lung Disease: A Longitudinal Cohort Study. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 1035-1047.	5.6	6
69	Predictors of Acute Hemodynamic Decompensation in Early Sepsis: An Observational Study. Journal of Clinical Medicine Research, 2016, 8, 575-581.	1.2	6
70	Trends in Sepsis and Infection Sources in the United States. A Population-Based Study. Annals of the American Thoracic Society, 2015, 12, 784-784.	3.2	5
71	Increased pulmonary artery diameter is associated with reduced FEV₁ in former World Trade Center workers. Clinical Respiratory Journal, 2019, 13, 614-623.	1.6	5
72	Synergistic Effect of WTC-Particulate Matter and Lysophosphatidic Acid Exposure and the Role of RAGE: In-Vitro and Translational Assessment. International Journal of Environmental Research and Public Health, 2020, 17, 4318.	2.6	5

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73	Food Intake REstriction for Health OUtcome Support and Education (FIREHOUSE) Protocol: A Randomized Clinical Trial. International Journal of Environmental Research and Public Health, 2020, 17, 6569.	2.6	4
74	Dietary phenotype and advanced glycation end-products predict WTC-obstructive airways disease: a longitudinal observational study. Respiratory Research, 2021, 22, 19.	3.6	4
75	Nephroprotective strategies in septic shock: the VANISH trial. Journal of Thoracic Disease, 2016, 8, E1508-E1510.	1.4	2
76	Aerodigestive continuum: GERD and Barrett's esophagus in World Trade Center exposed firefighters. , 2016, , .		2
77	Receptor for advanced glycation end products contributes to particulate induced lung function loss and hyperreactivity: Mitigating the effects of a single intense particulate exposure. , 2016, , .		2
78	Biomarkers Of Metabolic Syndrome Predict Accelerated Decline Of Lung Function In NYC Firefighters That Were Exposed To WTC Particulates. , 2011, , .		1
79	Elevated MMP-3, MMP-12, And TIMP-3 In Serum Are Biomarkers Predictive Of World Trade Center-Lung Injury In New York City Firefighters. , 2012, , .		1
80	Receptor for Advanced Glycation End Products (RAGE) Contributes to World Trade Center Particulate Matter (WTC-PM)-Associated Lung Function Loss. Chest, 2016, 149, A408.	0.8	1
81	The Bangladesh Ultrasound Initiative: Creating Impact With Education in a Resource-Limited Setting. Chest, 2017, 152, A609.	0.8	1
82	Fluid resuscitation-associated increased mortality and inflammatory cytokine expression in murine polymicrobial sepsis. Journal of Clinical and Translational Science, 2017, 1, 265-266.	0.6	1
83	FOOD INTAKE RESTRICTION FOR HEALTH OUTCOME SUPPORT AND EDUCATION (FIREHOUSE) TRIAL: STUDY DESIGN. Chest, 2019, 155, 227A.	0.8	1
84	4088 Longitudinal Assessment of Metabolic Syndrome as a Modifiable Risk factor of World Trade Center Particulate Matter Exposure Associated Lung Disease. Journal of Clinical and Translational Science, 2020, 4, 49-50.	0.6	1
85	High Burden of Clonal Hematopoiesis in First Responders Exposed to the World Trade Center Disaster. Blood, 2019, 134, 3720-3720.	1.4	1
86	Benzodiazepine administration and need for mechanical ventilation in delirium tremens. Critical Care Medicine, 2007, 35, 1811-1812.	0.9	0
87	Neutrophils Activate Alveolar Macrophages By Producing Caspase-6 Mediated Cleavage Of Interleukin-1 Associated Kinase-M (IRAK-M) In Tuberculosis. , 2010, , .		0
88	Similar Exposure To World Trade Center (WTC) Dust Produced Variable Lung Function Decline: Defining Most And Least Effected Subgroups In The FDNY Cohort. , 2010, , .		0
89	Microparticle Activity Is Increased In Murine Polymicrobial Sepsis. , 2010, , .		0
90	Low Serum IgA And IgG4 Levels Predict Accelerated Decline In Lung Function Of WTC Dust Exposed Firefighters. , 2011, , .		0

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91	Pulmonary Disability Evaluations In FDNY Rescue Workers Exposed To WTC Particulates: A Pilot Study. , 2011, , .		0
92	Azithromycin Suppresses Inflammatory Cytokines And Induces Inhibitory Transcription Factors In Alveolar Macrophages. , 2011, , .		0
93	Regulatory T Cells And Th17 Cells In Bronchoalveolar Lavage. , 2011, , .		0
94	WTC Dust Induces GM-CSF In Serum Of FDNY Rescue Workers With Accelerated Decline Of Lung Function And In Cultured Alveolar Macrophages. , 2011, , .		0
95	Cardiovascular Serum Biomarkers Predict World Trade Center Lung Injury In NYC Firefighters. , 2012, , .		0
96	Reply: Metabolic Syndrome Biomarkers in Prediction of Lung Function Impairment. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 567-568.	5.6	0
97	WTC-PM53 Induces A Greater Pro-Inflammatory Response Than WTC-PM2.5 In Cultured Human Alveolar Macrophages. , 2012, , .		0
98	Microparticles Expressing CD28 And CD40L Are Induced In Murine Polymicrobial Sepsis. , 2012, , .		0
99	Acute Life-Threatening Ventilatory Failure Secondary To Achalasia. , 2012, , .		0
100	THU0387â€...Refractory Sarcoid Arthritis in World Trade Center- Exposed New York City Firefighters Necessitating Anti-TNF Alpha Therapy. Annals of the Rheumatic Diseases, 2014, 73, 315.3-316.	0.9	0
101	â€œI Can't Walkâ€• An Unusual Presentation of Burkittâ€™s Lymphoma. Chest, 2016, 150, 248A.	0.8	0
102	A Case of a Rare and Devastating Consequence of Childhood Measles. Chest, 2016, 150, 259A.	0.8	0
103	Never Rule Out TB. Chest, 2017, 152, A171.	0.8	0
104	A Case of Treatment-Resistant Eosinophilic-Granulomatosis With Polyangiitis With Diffuse Alveolar Hemorrhage: Management and Clinical Outcome. Chest, 2017, 152, A428.	0.8	0
105	2346. Journal of Clinical and Translational Science, 2017, 1, 7-8.	0.6	0
106	2372. Journal of Clinical and Translational Science, 2017, 1, 63-64.	0.6	0
107	METABOLIC SYNDROME BIOMARKERS OF WORLD TRADE CENTER AIRWAY HYPERREACTIVITY: A 16-YEAR PROSPECTIVE COHORT STUDY. Chest, 2019, 156, A864.	0.8	0
108	CLINICAL BIOMARKERS OF WORLD TRADE CENTER AIRWAY HYPERREACTIVITY: A 16-YEAR LONGITUDINAL STUDY. Chest, 2019, 155, 142A.	0.8	0

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109	COVID-19 Myocarditis. Infectious Diseases in Clinical Practice, 2021, 29, e414-e417.	0.3	0
110	Metabolic biomarker validation and clinomics of World Trade Center-Lung injury. , 2016, , .		0
111	Predictors of chronic rhinosinusitis among World Trade Center (WTC) exposed fire department city of New York (FDNY)-workers: A 13.5 year longitudinal analysis. , 2016, , .		0
112	Metabolomics of Protection from the Development of World Trade Center-Lung Injury: A Machine Learning Approach. SSRN Electronic Journal, 0, , .	0.4	0
113	Non-Cardiac Chest Pain: A Review of Environmental Exposure-Associated Comorbidities and Biomarkers. European Medical Journal Gastroenterology, 2018, 7, 103-112.	0.0	0