

Laura E Crotty Alexander

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

2,839
citations

218592

26
h-index

206029

48
g-index

102
all docs

102
docs citations

102
times ranked

3821
citing authors

#	ARTICLE	IF	CITATIONS
1	Increased Peripheral Blood Neutrophil Activation Phenotypes and Neutrophil Extracellular Trap Formation in Critically Ill Coronavirus Disease 2019 (COVID-19) Patients: A Case Series and Review of the Literature. <i>Clinical Infectious Diseases</i> , 2022, 74, 479-489.	2.9	87
2	Vaping and Lung Inflammation and Injury. <i>Annual Review of Physiology</i> , 2022, 84, 611-629.	5.6	27
3	The Precision Interventions for Severe and/or Exacerbation-Prone (PrecISE) Asthma Network: An overview of Network organization, procedures, and interventions. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 488-516.e9.	1.5	24
4	Beware, vaping e-cigarettes around children is adversely impacting their lung health. <i>Thorax</i> , 2022, 77, 638-639.	2.7	2
5	A census of the lung: CellCards from LungMAP. <i>Developmental Cell</i> , 2022, 57, 112-145.e2.	3.1	67
6	Just When We Thought Nothing Could Be Worse Than Smoking Tobacco, Vaping e-Hookah Proves Us Wrong. <i>Chest</i> , 2022, 161, 13-15.	0.4	1
7	Dual use of e-cigarettes with conventional tobacco is associated with increased sleep latency in cross-sectional Study. <i>Scientific Reports</i> , 2022, 12, 2536.	1.6	5
8	Pulmonary and Critical Care Considerations for e-Cigarette, or Vaping, Product Use-Associated Lung Injury. <i>Chest</i> , 2022, 162, 256-264.	0.4	8
9	Obesity alters pathology and treatment response in inflammatory disease. <i>Nature</i> , 2022, 604, 337-342.	13.7	93
10	Impulsivity-Related Personality Traits as Predictors of E-Cigarette Use among Young Adults over Time. <i>Substance Use and Misuse</i> , 2022, 57, 1007-1013.	0.7	2
11	Effects of mango and mint pod-based e-cigarette aerosol inhalation on inflammatory states of the brain, lung, heart, and colon in mice. <i>ELife</i> , 2022, 11, .	2.8	22
12	Cardiopulmonary Consequences of Vaping in Adolescents: A Scientific Statement From the American Heart Association. <i>Circulation Research</i> , 2022, 131, .	2.0	24
13	A Problem for Generations: Impact of E-Cigarette Type on Immune Homeostasis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 1195-1197.	2.5	3
14	E-cigarette aerosols containing nicotine modulate nicotinic acetylcholine receptors and astroglial glutamate transporters in mesocorticolimbic brain regions of chronically exposed mice. <i>Chemico-Biological Interactions</i> , 2021, 333, 109308.	1.7	17
15	E-cigarettes and health risks: more to the flavor than just the name. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L600-L614.	1.3	20
16	Vaping disrupts ventilation-perfusion matching in asymptomatic users. <i>Journal of Applied Physiology</i> , 2021, 130, 308-317.	1.2	10
17	Vaping-related lung injury. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2021, 478, 81-88.	1.4	31
18	Cigarette Smoke and Nicotine-Containing Electronic-Cigarette Vapor Downregulate Lung WWOX Expression, Which Is Associated with Increased Severity of Murine Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 89-99.	1.4	5

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19	Acute and Chronic Health Effects of E-Cigarette Use. , 2021, , 53-61.		0
20	An International Virtual COVID-19 Critical Care Training Forum for Healthcare Workers. ATS Scholar, 2021, 2, ats-scholar.202.	0.5	2
21	E-cigarettes compromise the gut barrier and trigger inflammation. IScience, 2021, 24, 102035.	1.9	36
22	Development of a National Academic Boot Camp to Improve Fellowship Readiness. ATS Scholar, 2021, 2, 49-65.	0.5	2
23	Critical Care Education in a Pandemic through Tele-ICU. ATS Scholar, 2021, 2, 29-33.	0.5	4
24	Assessing the potential impact of age and inhalant use on sleep in adolescents. Journal of Clinical Sleep Medicine, 2021, 17, 2233-2239.	1.4	2
25	Chronic E-Cigarette Aerosol Inhalation Alters the Immune State of the Lungs and Increases ACE2 Expression, Raising Concern for Altered Response and Susceptibility to SARS-CoV-2. Frontiers in Physiology, 2021, 12, 649604.	1.3	25
26	Compositional Differences in the Oral Microbiome of E-cigarette Users. Frontiers in Microbiology, 2021, 12, 599664.	1.5	18
27	Altered lung metabolism and mitochondrial DAMPs in lung injury due to acute kidney injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 320, L821-L831.	1.3	32
28	PrecISE: Precision Medicine in Severe Asthma: An adaptive platform trial with biomarker ascertainment. Journal of Allergy and Clinical Immunology, 2021, 147, 1594-1601.	1.5	27
29	Vaping-induced metabolomic signatures in the circulation of mice are driven by device type, e-liquid, exposure duration and sex. ERJ Open Research, 2021, 7, 00229-2021.	1.1	4
30	AI-guided discovery of the invariant host response to viral pandemics. EBioMedicine, 2021, 68, 103390.	2.7	37
31	Acute and chronic effects of vaping electronic devices on lung physiology and inflammation. Current Opinion in Physiology, 2021, 22, 100447.	0.9	2
32	Adult stem cell-derived complete lung organoid models emulate lung disease in COVID-19. ELife, 2021, 10, .	2.8	64
33	Age-dependent regulation of SARS-CoV-2 cell entry genes and cell death programs correlates with COVID-19 severity. Science Advances, 2021, 7, .	4.7	49
34	Inflammatory phenotype modulation in the respiratory tract and systemic circulation of e-cigarette users: a pilot study. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L1134-L1146.	1.3	4
35	Deleterious Association of Inhalant Use on Sleep Quality during the COVID-19 Pandemic. International Journal of Environmental Research and Public Health, 2021, 18, 13203.	1.2	1
36	E-cigarette use increases susceptibility to bacterial infection by impairment of human neutrophil chemotaxis, phagocytosis, and NET formation. American Journal of Physiology - Cell Physiology, 2020, 318, C205-C214.	2.1	65

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37	A CASE OF SEVERE ARDS DUE TO BLEOMYCIN-INDUCED LUNG INJURY REQUIRING ECMO SUPPORT. <i>Chest</i> , 2020, 158, A1126-A1127.	0.4	2
38	Vaping and e-cigarette use. Mysterious lung manifestations and an epidemic. <i>Current Opinion in Immunology</i> , 2020, 66, 143-150.	2.4	16
39	Response. <i>Chest</i> , 2020, 158, 836-837.	0.4	0
40	Effects of e-cigarettes and vaping devices on cardiac and pulmonary physiology. <i>Journal of Physiology</i> , 2020, 598, 5039-5062.	1.3	68
41	Cigarette Smoke Exposure Promotes Virulence of <i>Pseudomonas aeruginosa</i> and Induces Resistance to Neutrophil Killing. <i>Infection and Immunity</i> , 2020, 88, .	1.0	8
42	Bleomycin-induced lung injury treated with venovenous extracorporeal membrane oxygenation (ECMO) and ultra-protective ventilator settings. <i>BMJ Case Reports</i> , 2020, 13, e236474.	0.2	2
43	Effects of 3-Month Exposure to E-Cigarette Aerosols on Glutamatergic Receptors and Transporters in Mesolimbic Brain Regions of Female C57BL/6 Mice. <i>Toxics</i> , 2020, 8, 95.	1.6	11
44	Is Increased Sleep Responsible for Reductions in Myocardial Infarction During the COVID-19 Pandemic?. <i>American Journal of Cardiology</i> , 2020, 131, 128-130.	0.7	15
45	Reply to Letter to the Editor: "Comment on "E-cigarette use increases susceptibility to bacterial infection by impairment of human neutrophil chemotaxis, phagocytosis, and NET formation"™". <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C706-C706.	2.1	1
46	E-Cigarette or Vaping Product Use-associated Lung Injury: Developing a Research Agenda. An NIH Workshop Report. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 795-802.	2.5	42
47	Why Is Vaping Going Up in Flames?. <i>Annals of the American Thoracic Society</i> , 2020, 17, 545-549.	1.5	17
48	The Evolving Landscape of e-Cigarettes. <i>Chest</i> , 2020, 157, 1362-1390.	0.4	109
49	Reply: E-Cigarette, or Vaping, Product Use-associated Lung Injury: A Response to Perez and Crotty Alexander. <i>Annals of the American Thoracic Society</i> , 2020, 17, 908-908.	1.5	0
50	What are the mechanisms underlying vaping-induced lung injury?. <i>Journal of Clinical Investigation</i> , 2020, 130, 2754-2756.	3.9	27
51	E-cigarette Use Increases Susceptibility to Bacterial Infection by Impairment of Human Neutrophil Chemotaxis, Phagocytosis and NET Formation. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
52	Identifying, tracking, and treating lung injury associated with e-cigarettes or vaping. <i>Lancet</i> , The, 2019, 394, 2041-2043.	6.3	13
53	Effects of Chronic Inhalation of Electronic Cigarette Vapor Containing Nicotine on Neurotransmitters in the Frontal Cortex and Striatum of C57BL/6 Mice. <i>Frontiers in Pharmacology</i> , 2019, 10, 885.	1.6	30
54	Use of Electronic Cigarettes with Conventional Tobacco Is Associated with Decreased Sleep Quality in Women. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1431-1434.	2.5	19

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55	Vaping-associated Pulmonary Illness (VAPI). American Journal of Respiratory and Critical Care Medicine, 2019, 200, P13-P14.	2.5	23
56	ATS Health Alert—Vaping-associated Pulmonary Illness (VAPI). American Journal of Respiratory and Critical Care Medicine, 2019, 200, P15-P15.	2.5	7
57	Design and Implementation of a Peer-Reviewed Medical Education Video Competition: The Best of American Thoracic Society Video Lecture Series. Journal of Graduate Medical Education, 2019, 11, 592-596.	0.6	6
58	Human Eosinophils Express a Distinct Gene Expression Program in Response to IL-3 Compared with Common Î²-Chain Cytokines IL-5 and GM-CSF. Journal of Immunology, 2019, 203, 329-337.	0.4	12
59	Otolaryngology in Critical Care. Annals of the American Thoracic Society, 2018, 15, 643-654.	1.5	10
60	Recommendations for the Appropriate Structure, Communication, and Investigation of Tobacco Harm Reduction Claims. An Official American Thoracic Society Policy Statement. American Journal of Respiratory and Critical Care Medicine, 2018, 198, e90-e105.	2.5	14
61	A computerized exposure system for animal models to optimize nicotine delivery into the brain through inhalation of electronic cigarette vapors or cigarette smoke. Saudi Pharmaceutical Journal, 2018, 26, 622-628.	1.2	17
62	Ventilator-Induced Kidney Injury: Are Novel Biomarkers the Key to Prevention?. Nephron, 2018, 140, 90-93.	0.9	29
63	Chronic inhalation of e-cigarette vapor containing nicotine disrupts airway barrier function and induces systemic inflammation and multiorgan fibrosis in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R834-R847.	0.9	152
64	Mechanical Ventilation Induces Renal Mitochondrial Injury Detectable by Urine Mitochondrial DNA and ATP SynthaseÎ². FASEB Journal, 2018, 32, 849.6.	0.2	0
65	Hypoxia-inducible factor-1Î± inhibition modulates airway hyperresponsiveness and nitric oxide levels in a BALB/c mouse model of asthma. Clinical Immunology, 2017, 176, 94-99.	1.4	22
66	Effects of chronic inhalation of electronic cigarettes containing nicotine on glial glutamate transporters and Î±7 nicotinic acetylcholine receptor in female CD-1 mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 77, 1-8.	2.5	50
67	Ventilator-induced lung injury increases expression of endothelial inflammatory mediators in the kidney. American Journal of Physiology - Renal Physiology, 2017, 312, F654-F660.	1.3	42
68	Effects of Electronic (e)-Cigarette Vapor on Staphylococcal Virulence: Are E-Cigarettes Safer than Conventional Cigarettes?. , 2017, , .		2
69	Global state of tobacco use: summary from the American Thoracic Society International Conference 2016. Journal of Thoracic Disease, 2016, 8, S582-S585.	0.6	6
70	Cigarette smoking causes epigenetic changes associated with cardiorenal fibrosis. Physiological Genomics, 2016, 48, 950-960.	1.0	21
71	HIF2Î±-arginase axis is essential for the development of pulmonary hypertension. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8801-8806.	3.3	140
72	Hypothesis: may e-cigarette smoking boost the allergic epidemic?. Clinical and Translational Allergy, 2016, 6, 40.	1.4	9

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73	Spontaneous Pneumothorax Complicating Chronic Hepatic Hydrothorax: Successful Treatment by Small Bore Chest Tube. <i>Journal of Bronchology and Interventional Pulmonology</i> , 2016, 23, e43-e45.	0.8	1
74	Electronic cigarette inhalation alters innate immunity and airway cytokines while increasing the virulence of colonizing bacteria. <i>Journal of Molecular Medicine</i> , 2016, 94, 667-679.	1.7	204
75	Electronic cigarettes induce DNA strand breaks and cell death independently of nicotine in cell lines. <i>Oral Oncology</i> , 2016, 52, 58-65.	0.8	203
76	The Civil Liberty of Smoking Cigarettes. <i>Chest</i> , 2015, 148, 6-8.	0.4	5
77	Inflammatory Diseases of the Lung Induced by Conventional Cigarette Smoke. <i>Chest</i> , 2015, 148, 1307-1322.	0.4	132
78	The Need for More E-Cigarette Data: A Call to Action. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 275-276.	2.5	18
79	Analysis of the Effects of Cigarette Smoke on Staphylococcal Virulence Phenotypes. <i>Infection and Immunity</i> , 2015, 83, 2443-2452.	1.0	54
80	Electronic cigarettes: the new face of nicotine delivery and addiction. <i>Journal of Thoracic Disease</i> , 2015, 7, E248-51.	0.6	16
81	Epidermal Deletion of HIF-2 α Stimulates Wound Closure. <i>Journal of Investigative Dermatology</i> , 2014, 134, 801-808.	0.3	19
82	Activation of the stress response in macrophages alters the M1/M2 balance by enhancing bacterial killing and IL-10 expression. <i>Journal of Molecular Medicine</i> , 2014, 92, 1305-1317.	1.7	15
83	Myeloid cell HIF-1 α regulates asthma airway resistance and eosinophil function. <i>Journal of Molecular Medicine</i> , 2013, 91, 637-644.	1.7	56
84	Hypoxia potentiates allergen induction of HIF-1 α , chemokines, airway inflammation, TGF- β 1, and airway remodeling in a mouse model. <i>Clinical Immunology</i> , 2013, 147, 27-37.	1.4	47
85	Hypoxia Inducible Factor (HIF) Alpha Subunits Modulate Eosinophil Migration, Oxidative Burst, and Degranulation. <i>Journal of Allergy and Clinical Immunology</i> , 2013, 131, AB239.	1.5	0
86	Myeloid Cell Sirtuin-1 Expression Does Not Alter Host Immune Responses to Gram-Negative Endotoxemia or Gram-Positive Bacterial Infection. <i>PLoS ONE</i> , 2013, 8, e84481.	1.1	9
87	Analysis Of The Role Of Hypoxia Inducible Factor-1 α In Eosinophil Function And Allergic Inflammatory Airways Disease. , 2012, , .		0
88	The Role Of Hypoxia Inducible Factor-Alpha Subunits In Allergic Inflammatory Airways Disease. , 2011, , .		0
89	Rescuing of deficient killing and phagocytic activities of macrophages derived from non-obese diabetic mice by treatment with geldanamycin or heat shock: potential clinical implications. <i>Cell Stress and Chaperones</i> , 2011, 16, 573-581.	1.2	9
90	MIT1 group A streptococcal pili promote epithelial colonization but diminish systemic virulence through neutrophil extracellular entrapment. <i>Journal of Molecular Medicine</i> , 2010, 88, 371-381.	1.7	56

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91	Staphylococcus epidermidis Antimicrobial $\hat{\imath}$ -Toxin (Phenol-Soluble Modulin- $\hat{\imath}^3$) Cooperates with Host Antimicrobial Peptides to Kill Group A Streptococcus. PLoS ONE, 2010, 5, e8557.	1.1	182
92	Increased IL-8, Neutrophil Activation Phenotypes and NETosis in Critically Ill COVID-19 Patients. SSRN Electronic Journal, 0, , .	0.4	2