Aftab Ahmad

List of Publications by Year
in descending order

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Version: 2024-02-01

60 papers	1,705 citations	293460 24 h-index	325983 40 g-index
60 all docs	60 docs citations	60 times ranked	2658 citing authors

#	Article	IF	Citations
1	Epigenetic underpinnings of inflammation: Connecting the dots between pulmonary diseases, lung cancer and COVID-19. Seminars in Cancer Biology, 2022, 83, 384-398.	4.3	53
2	Dually Responsive Poly(N-vinylcaprolactam)-b-poly(dimethylsiloxane)-b-poly(N-vinylcaprolactam) Polymersomes for Controlled Delivery. Molecules, 2022, 27, 3485.	1.7	6
3	Chronic cardiac structural damage, diastolic and systolic dysfunction following acute myocardial injury due to bromine exposure in rats. Archives of Toxicology, 2021, 95, 179-193.	1.9	5
4	NETosis in the pathogenesis of acute lung injury following cutaneous chemical burns. JCI Insight, 2021, 6, .	2.3	24
5	Behavioral and Neuronal Effects of Inhaled Bromine Gas: Oxidative Brain Stem Damage. International Journal of Molecular Sciences, 2021, 22, 6316.	1.8	4
6	Echocardiographic, Biochemical, and Electrocardiographic Correlates Associated With Progressive Pulmonary Arterial Hypertension. Frontiers in Cardiovascular Medicine, 2021, 8, 705666.	1.1	5
7	Sex differences in cardiopulmonary effects of acute bromine exposure. Toxicology Research, 2021, 10, 1064-1073.	0.9	2
8	Circulating and tissue biomarkers as predictors of bromine gas inhalation. Annals of the New York Academy of Sciences, 2020, 1480, 104-115.	1.8	5
9	Protective role of HOâ€1 against acute kidney injury caused by cutaneous exposure to arsenicals. Annals of the New York Academy of Sciences, 2020, 1480, 155-169.	1.8	8
10	Treating fungusâ€induced allergic asthma: Do VDACs have the answer!. Journal of Physiology, 2020, 598, 1799-1800.	1.3	0
11	Extracellular nucleic acid scavenging rescues rats from sulfur mustard analog-induced lung injury and mortality. Archives of Toxicology, 2020, 94, 1321-1334.	1.9	14
12	MicroRNAâ€mediated inflammation and coagulation effects in rats exposed to an inhaled analog of sulfur mustard. Annals of the New York Academy of Sciences, 2020, 1479, 148-158.	1.8	10
13	Cutaneous lewisite exposure causes acute lung injury. Annals of the New York Academy of Sciences, 2020, 1479, 210-222.	1.8	20
14	Obesogenic diet in aging mice disrupts gut microbe composition and alters neutrophi:lymphocyte ratio, leading to inflamed milieu in acute heart failure. FASEB Journal, 2019, 33, 6456-6469.	0.2	47
15	Acute pulmonary effects of aerosolized nicotine. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 316, L94-L104.	1.3	43
16	Bromine inhalation mimics ischemia-reperfusion cardiomyocyte injury and calpain activation in rats. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H212-H223.	1.5	22
17	Hypoxia-Inducible Factor 1Î± Signaling Promotes Repair of the Alveolar Epithelium after Acute Lung Injury. American Journal of Pathology, 2017, 187, 1772-1786.	1.9	86
18	Endothelial adenosine A2a receptor-mediated glycolysis is essential for pathological retinal angiogenesis. Nature Communications, 2017, 8, 584.	5.8	77

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19	Epithelial Regeneration and Lung Stem Cells. , 2017, , 91-102.		6
20	Emerging targets for treating sulfur mustardâ€“induced injuries. Annals of the New York Academy of Sciences, 2016, 1374, 123-131.	1.8	12
21	ATF4 regulates arsenic trioxide-mediated NADPH oxidase, ER-mitochondrial crosstalk and apoptosis. Archives of Biochemistry and Biophysics, 2016, 609, 39-50.	1.4	26
22	Chlorine inhalation-induced myocardial depression and failure. Physiological Reports, 2015, 3, e12439.	0.7	32
23	Hypoxia-Inducible Factorâ€“Dependent CXCR4/SDF1 Signaling Promotes Alveolar Type II Cell Spreading and the Resolution of Epithelial Permeability after Lung Injury. Annals of the American Thoracic Society, 2015, 12, S72-S73.	1.5	3
24	83. Critical Care Medicine, 2015, 43, 22.	0.4	0
25	Sarcoendoplasmic Reticulum Ca²⁺ ATPase. A Critical Target in Chlorine Inhalationâ€“Induced Cardiotoxicity. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 492-502.	1.4	36
26	Inhaled matters of the Heart. Cardiovascular Regenerative Medicine, 2015, 2, .	1.7	10
27	Stanniocalcin-1 is induced by hypoxia inducible factor in rat alveolar epithelial cells. Biochemical and Biophysical Research Communications, 2014, 452, 1091-1097.	1.0	23
28	High proliferative potential endothelial colony-forming cells contribute to hypoxia-induced pulmonary artery vasa vasorum neovascularization. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L661-L671.	1.3	25
29	Neuroendocrine Signaling Via the Serotonin Transporter Regulates Clearance of Apoptotic Cells. Journal of Biological Chemistry, 2014, 289, 10466-10475.	1.6	20
30	Antifibrinolytic Mechanisms in Acute Airway Injury after Sulfur Mustard Analog Inhalation. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 559-567.	1.4	26
31	In vitro Cell Culture Model for Toxic Inhaled Chemical Testing. Journal of Visualized Experiments, 2014, , .	0.2	7
32	Tissue factor pathway inhibitor prevents airway obstruction, respiratory failure and death due to sulfur mustard analog inhalation. Toxicology and Applied Pharmacology, 2013, 272, 86-95.	1.3	26
33	Adenosine A2A receptor-dependent proliferation of pulmonary endothelial cells is mediated through calcium mobilization, PI3-kinase and ERK1/2 pathways. Biochemical and Biophysical Research Communications, 2013, 434, 566-571.	1.0	13
34	Tissue Factor Signals Airway Epithelial Basal Cell Survival via Coagulation and Protease-Activated Receptor Isoforms 1 and 2. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 94-104.	1.4	21
35	Differential Regulation of Pulmonary Vascular Cell Growth by Hypoxia-Inducible Transcription Factorâ€“1Î± and Hypoxia-Inducible Transcription Factorâ€“2Î±. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 78-85.	1.4	43
36	Antiapoptotic Actions of Exendin-4 against Hypoxia and Cytokines Are Augmented by CREB. Endocrinology, 2012, 153, 1116-1128.	1.4	48

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37	Interaction and Localization of Synthetic Nanoparticles in Healthy and Cystic Fibrosis Airway Epithelial Cells: Effect of Ozone Exposure. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2012, 25, 7-15.	0.7	13
38	Sarcoendoplasmic Reticulum Calcium ATPase (SERCA2) Modulates Ozone-Induced Proinflammatory Cytokine Release In Human Airway Epithelial Cells. , 2011, , .		0
39	Adenosine A2A Receptor Promotes Growth In Fetal Rat Lung Explants. , 2011, , .		0
40	Hypoxia-Inducible Factor Regulates Expression of Surfactant Protein in Alveolar Type II Cells In Vitro. American Journal of Respiratory Cell and Molecular Biology, 2011, 45, 938-945.	1.4	25
41	SERCA2 Regulates Non-CF and CF Airway Epithelial Cell Response to Ozone. PLoS ONE, 2011, 6, e27451.	1.1	19
42	SERCA2 Modulates Oxidant-induced Responses Of Airway Epithelial Cells: Role In Disease Progression. , 2010, , .		0
43	Hypoxia-Inducible Factors and Adenosine Signaling in Vascular Growth. , 2010, , 113-124.		1
44	Adenosine A _{2A} receptor is a unique angiogenic target of HIF-2Î± in pulmonary endothelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10684-10689.	3.3	124
45	Bcl-2 Suppresses Sarcoplasmic/Endoplasmic Reticulum Ca²⁺-ATPase Expression in Cystic Fibrosis Airways. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 816-826.	2.5	28
46	Cholesterol Interferes with the MTT Assay in Human Epithelial-Like (A549) and Endothelial (HLMVE and) Tj ETQq0 0 0 rgBT /Overlock 10	0.6	47
47	Activation of a novel isoform of methionine adenosyl transferase 2A and increased S-adenosylmethionine turnover in lung epithelial cells exposed to hyperoxia. Free Radical Biology and Medicine, 2006, 40, 348-358.	1.3	8
48	Endothelial Akt activation by hyperoxia: Role in cell survival. Free Radical Biology and Medicine, 2006, 40, 1108-1118.	1.3	35
49	Purinergic signaling and kinase activation for survival in pulmonary oxidative stress and disease. Free Radical Biology and Medicine, 2006, 41, 29-40.	1.3	43
50	Stimulation of HIF-1Î±, HIF-2Î±, and VEGF by prolyl 4-hydroxylase inhibition in human lung endothelial and epithelial cells. Free Radical Biology and Medicine, 2005, 38, 1002-1013.	1.3	84
51	Lung epithelial cells release ATP during ozone exposure: Signaling for cell survival. Free Radical Biology and Medicine, 2005, 39, 213-226.	1.3	56
52	Effect of Preterm Birth on Hypoxia-Inducible Factors and Vascular Endothelial Growth Factor in Primate Lungs. Pediatric Pulmonology, 2005, 40, 538-546.	1.0	53
53	Extracellular ATP-mediated Signaling for Survival in Hyperoxia-induced Oxidative Stress. Journal of Biological Chemistry, 2004, 279, 16317-16325.	1.6	66
54	Cigarette smoke extract increases S-adenosylmethionine and cystathionine in human lung epithelial-like (A549) cells. Chemico-Biological Interactions, 2004, 147, 87-97.	1.7	27

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55	Hypoxia Protects Human Lung Microvascular Endothelial and Epithelial-like Cells against Oxygen Toxicity. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 179-187.	1.4	36
56	Elevated expression of hexokinase II protects human lung epithelial-like A549 cells against oxidative injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 283, L573-L584.	1.3	73
57	Hypoxia induces hexokinase II gene expression in human lung cell line A549. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L407-L416.	1.3	128
58	Physicochemical characterization of Cajanus cajan lectin: effect of pH and metal ions on lectin carbohydrate interaction. Biochimica Et Biophysica Acta - General Subjects, 1999, 1427, 378-384.	1.1	22
59	Antigenicity of deoxyadenosine 5-monophosphate cross-linked with polyamine. Biotechnology and Applied Biochemistry, 1998, 27, 31-35.	1.4	1
60	Effect of organic solvents on lysozyme-antilysozyme precipitin reaction. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1996, 114, 119-121.	0.5	8