Bruce D Uhal

List of Publications by Year
in descending order

85 papers	3,970 citations	126907 33 h-index	123424 61 g-index
97 all docs	97 docs citations	97 times ranked	4243 citing authors

#	Article	IF	Citations
1	Periodically aperiodic pattern of SARS-CoV-2 mutations underpins the uncertainty of its origin and evolution. Environmental Research, 2022, 204, 112092.	7.5	4
2	The importance of accessory protein variants in the pathogenicity of SARS-CoV-2. Archives of Biochemistry and Biophysics, 2022, 717, 109124.	3.0	20
3	Stem-Cell Therapy for Bronchopulmonary Dysplasia (BPD) in Newborns. Cells, 2022, 11, 1275.	4.1	18
4	Would New SARS-CoV-2 Variants Change the War against COVID-19?. Epidemiologia, 2022, 3, 229-237.	2.2	3
5	The structural basis of accelerated host cell entry by SARSâ€CoVâ€2â€. FEBS Journal, 2021, 288, 5010-5020.	4.7	129
6	Questions concerning the proximal origin of SARSâ€CoVâ€2. Journal of Medical Virology, 2021, 93, 1204-1206.	5.0	56
7	Subtyping Meconium Protease Activities Which Degrade Lung Protective Angiotensin Converting Enzyme-2 in Human Alveolar Epithelial Cells.. , 2021, , .		0
8	Interindividual immunogenic variants: Susceptibility to coronavirus, respiratory syncytial virus and influenza virus. Reviews in Medical Virology, 2021, 31, e2234.	8.3	12
9	Urgent Need for Field Surveys of Coronaviruses in Southeast Asia to Understand the SARS-CoV-2 Phylogeny and Risk Assessment for Future Outbreaks. Biomolecules, 2021, 11, 398.	4.0	3
10	COVID-19â€"A Theory of Autoimmunity Against ACE-2 Explained. Frontiers in Immunology, 2021, 12, 582166.	4.8	41
11	Carbon-Based Nanomaterials: Promising Antiviral Agents to Combat COVID-19 in the Microbial-Resistant Era. ACS Nano, 2021, 15, 8069-8086.	14.6	134
12	A unique view of SARS-CoV-2 through the lens of ORF8 protein. Computers in Biology and Medicine, 2021, 133, 104380.	7.0	48
13	Notable sequence homology of the ORF10 protein introspects the architecture of SARS-CoV-2. International Journal of Biological Macromolecules, 2021, 181, 801-809.	7.5	36
14	COVID-19 Vaccines and Thrombosisâ€"Roadblock or Dead-End Street?. Biomolecules, 2021, 11, 1020.	4.0	28
15	SARS-CoV-2 Research Using Human Pluripotent Stem Cells and Organoids. Stem Cells Translational Medicine, 2021, 10, 1491-1499.	3.3	16
16	The mechanism behind flaring/triggering of autoimmunity disorders associated with COVID-19. Autoimmunity Reviews, 2021, 20, 102909.	5.8	7
17	Implications derived from S-protein variants of SARS-CoV-2 from six continents. International Journal of Biological Macromolecules, 2021, 191, 934-955.	7.5	10
18	Angiotensin Converting Enzyme-2 (ACE-2) role in disease and future in research. Journal of Lung, Pulmonary & Respiratory Research, 2021, 8, 54-60.	0.3	0

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19	Regulation of ACE-2 enzyme by hyperoxia in lung epithelial cells by post-translational modification. Journal of Lung, Pulmonary & Respiratory Research, 2021, 8, 47-52.	0.3	5
20	Angiotensin Converting Enzyme-2 (ACE-2) role in disease and future in research. Journal of Lung, Pulmonary & Respiratory Research, 2021, 8, 54-60.	0.3	3
21	Subtyping meconium protease activities which degrade lung protective angiotensin converting enzyme-2 in human lung cells. Journal of Lung, Pulmonary & Respiratory Research, 2021, 8, 113-118.	0.3	0
22	Regulation of ACE-2 enzyme by hyperoxia in lung epithelial cells by post-translational modification. Journal of Lung, Pulmonary & Respiratory Research, 2021, 8, 47-52.	0.3	1
23	The Importance of Research on the Origin of SARS-CoV-2. Viruses, 2020, 12, 1203.	3.3	27
24	Possible Transmission Flow of SARS-CoV-2 Based on ACE2 Features. Molecules, 2020, 25, 5906.	3.8	33
25	ACE2, Much More Than Just a Receptor for SARS-COV-2. Frontiers in Cellular and Infection Microbiology, 2020, 10, 317.	3.9	276
26	SARS-CoV-2 (COVID-19) structural and evolutionary dynamicome: Insights into functional evolution and human genomics. Journal of Biological Chemistry, 2020, 295, 11742-11753.	3.4	40
27	COVID-19-A theory of autoimmunity to ACE-2. MOJ Immunology, 2020, 7, 17-19.	11.0	21
28	Oxygen injury in neonates: which is worse? hyperoxia, hypoxia, or alternating hyperoxia/hypoxia. Journal of Lung, Pulmonary & Respiratory Research, 2020, 7, 4-13.	0.3	6
29	Mas Receptor Agonist AVE0991 increases surfactant protein expression under hyperoxic conditions in human lung epithelial cells. Journal of Lung, Pulmonary & Respiratory Research, 2020, 7, 85-91.	0.3	0
30	Mas Receptor Agonist AVE0991 increases surfactant protein expression under hyperoxic conditions in human lung epithelial cells. Journal of Lung, Pulmonary & Respiratory Research, 2020, 7, 85-91.	0.3	2
31	Degradation of Lung Protective Angiotensin Converting Enzyme-2 by Meconium in Human Alveolar Epithelial Cells: A Potential Pathogenic Mechanism in Meconium Aspiration Syndrome. Lung, 2019, 197, 227-233.	3.3	10
32	Activation of mas restores hyperoxia-induced loss of lung epithelial barrier function through inhibition of apoptosis. Journal of Lung, Pulmonary & Respiratory Research, 2019, 6, 58-62.	0.3	9
33	Activation of mas restores hyperoxia-induced loss of lung epithelial barrier function through inhibition of apoptosis. Journal of Lung, Pulmonary & Respiratory Research, 2019, 6, 58-62.	0.3	7
34	The renin angiotensin system in liver and lung: impact and therapeutic potential in organ fibrosis. Journal of Lung, Pulmonary & Respiratory Research, 2018, 5, .	0.3	14
35	Local activation of the pulmonary extravascular angiotensin system induces epithelial apoptosis and lung fibrosis. Journal of Lung, Pulmonary & Respiratory Research, 2018, 5, 192-200.	0.3	3
36	The renin angiotensin system in liver and lung: impact and therapeutic potential in organ fibrosis. Journal of Lung, Pulmonary & Respiratory Research, 2018, 5, .	0.3	18

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37	Protection of Meconium-Induced Lung Epithelial Injury by Protease Inhibitors. Journal of Lung, Pulmonary & Respiratory Research, 2017, 4, .	0.3	3
38	Prior hypoxia prevents downregulation of ACE-2 by hyperoxia in fetal human lung fibroblasts. Experimental Lung Research, 2016, 42, 121-130.	1.2	25
39	The unfolded protein response controls ER stress-induced apoptosis of lung epithelial cells through angiotensin generation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L846-L854.	2.9	24
40	Angiotensin-(1â€"7)/mas inhibits apoptosis in alveolar epithelial cells through upregulation of MAP kinase phosphatase-2. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 310, L240-L248.	2.9	35
41	Bleomycin-Induced Neonatal Lung Injury Requires the Autocrine Pulmonary Angiotensin System. Jacobs Journal of Pulmonology, 2016, 2, .	0.0	0
42	Roles of the Angiotensin System in Neonatal Lung Injury and Disease. , 2016, 1, .		8
43	Hyperoxia downregulates angiotensin-converting enzyme-2 in human fetal lung fibroblasts. Pediatric Research, 2015, 77, 656-662.	2.3	45
44	Inhibition of Apoptosis by Angiotensin 1â€•7/mas Pathway through MKPâ€•2 Activation in Alveolar Epithelial Cells. FASEB Journal, 2015, 29, 569.14.	0.5	0
45	The Unfolded Protein Response Regulates Apoptosis of Alveolar Epithelial Cells (AECs) by Modulating Autocrine Angiotensin (ANG)II and ANG1â€•7. FASEB Journal, 2015, 29, 1015.1.	0.5	1
46	Regulation of TGFâ€•Î²1â€•inducible angiotensinogen gene transcription in lung cells by core promoter SNPs (834.6). FASEB Journal, 2014, 28, 834.6.	0.5	0
47	Endoplasmic reticulum stress induces alveolar epithelial cell apoptosis through the activation of the unfolded protein response (1010.10). FASEB Journal, 2014, 28, 1010.10.	0.5	0
48	Ectodomain shedding in the downregulation of cellular ACEâ€•2 by ER stress in lung cells (716.3). FASEB Journal, 2014, 28, 716.3.	0.5	0
49	Antiâ€•apoptotic mechanism(s) of angiotensin 1â€•7/mas in alveolar epithelial cell survival (1010.3). FASEB Journal, 2014, 28, 1010.3.	0.5	0
50	Molecular and cellular mechanisms of the inhibitory effects of ACE-2/ANG1-7/Mas axis on lung injury. Current Topics in Pharmacology, 2014, 18, 71-80.	0.0	9
51	The Witschi Hypothesis revisited after 35 years: genetic proof from SP-C BRICHOS domain mutations. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L906-L911.	2.9	28
52	Cell cycle dependence of ACE-2 explains downregulation in idiopathic pulmonary fibrosis. European Respiratory Journal, 2013, 42, 198-210.	6.7	62
53	Abrogation of ER stress-induced apoptosis of alveolar epithelial cells by angiotensin 1â€"7. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L33-L41.	2.9	42
54	Angiotensinogen Gene Transcription in Pulmonary Fibrosis. International Journal of Peptides, 2012, 2012, 1-8.	0.7	13

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55	Angiotensin signalling in pulmonary fibrosis. International Journal of Biochemistry and Cell Biology, 2012, 44, 465-468.	2.8	113
56	Regulation of alveolar epithelial cell survival by the ACE-2/angiotensin 1â€"7/<i>Mas</i> axis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L269-L274.	2.9	115
57	A New Look at the Pathogenesis of the Meconium Aspiration Syndrome: A Role for Fetal Pancreatic Proteolytic Enzymes in Epithelial Cell Detachment. Pediatric Research, 2010, 68, 221-224.	2.3	19
58	Angiotensin converting enzyme-2 is protective but downregulated in human and experimental lung fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L178-L185.	2.9	172
59	Amiodarone Induces Angiotensinogen Gene Expression in Lung Alveolar Epithelial Cells through Activation Protein-1. Basic and Clinical Pharmacology and Toxicology, 2007, 100, 59-66.	2.5	28
60	Extravascular sources of lung angiotensin peptide synthesis in idiopathic pulmonary fibrosis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 291, L887-L895.	2.9	71
61	Potential Deployment of Angiotensin I Converting Enzyme Inhibitors and of Angiotensin II Type 1 and Type 2 Receptor Blockers in Cancer Chemotherapy. Anti-Cancer Agents in Medicinal Chemistry, 2006, 6, 451-460.	1.7	35
62	Intratracheal delivery of angiotensin II causes pulmonary collagen accumulation: A new model for studying lung fibrosis both ex vivo and in vivo. FASEB Journal, 2006, 20, A753.	0.5	0
63	Apoptosis of airway epithelial cells in response to meconium. Life Sciences, 2005, 76, 1849-1858.	4.3	32
64	Inhibition of Amiodarone-Induced Lung Fibrosis but not Alveolitis by Angiotensin System Antagonists. Basic and Clinical Pharmacology and Toxicology, 2003, 92, 81-87.	0.0	64
65	Apoptosis-Dependent Acute Lung Injury and Repair After Intratracheal Instillation of Noradrenaline in Rats. Experimental Physiology, 2003, 88, 269-275.	2.0	12
66	Bleomycin-induced apoptosis of alveolar epithelial cells requires angiotensin synthesis de novo. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 284, L501-L507.	2.9	92
67	Apoptosis in Lung Fibrosis and Repair*. Chest, 2002, 122, 293S-298S.	0.8	66
68	Angiotensin receptor subtype AT1 mediates alveolar epithelial cell apoptosis in response to ANG II. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L713-L718.	2.9	104
69	Norepinephrine induces alveolar epithelial apoptosis mediated by Î±-, Î²-, and angiotensin receptor activation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L624-L630.	2.9	22
70	Fas and apoptosis in the alveolar epithelium: holes in the dike?. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L326-L327.	2.9	2
71	Regulation of apoptosis by vasoactive peptides. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 281, L749-L761.	2.9	50
72	Regulation of apoptosis by angiotensin II in the heart and lungs (Review). International Journal of Molecular Medicine, 2001, 7, 273-80.	4.0	46

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73	Fibroblasts from Idiopathic Pulmonary Fibrosis and Normal Lungs Differ in Growth Rate, Apoptosis, and Tissue Inhibitor of Metalloproteinases Expression. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 591-598.	2.9	327
74	Apoptosis of lung epithelial cells in response to TNF-? requires angiotensin II generation de novo. Journal of Cellular Physiology, 2000, 185, 253-259.	4.1	126
75	Cell death and lung cell histology in meconium aspirated newborn rabbit lung. European Journal of Pediatrics, 2000, 159, 819-826.	2.7	59
76	Abrogation of bleomycin-induced epithelial apoptosis and lung fibrosis by captopril or by a caspase inhibitor. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L143-L151.	2.9	221
77	Apoptosis in lung pathophysiology. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L423-L427.	2.9	112
78	Amiodarone induces apoptosis of human and rat alveolar epithelial cells in vitro. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L1039-L1044.	2.9	57
79	Effects of Amiodarone on Heart Cells. Circulation, 2000, 102, E170.	1.6	2
80	Fas-induced apoptosis of alveolar epithelial cells requires ANG II generation and receptor interaction. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L1245-L1250.	2.9	91
81	Human lung myofibroblast-derived inducers of alveolar epithelial apoptosis identified as angiotensin peptides. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 277, L1158-L1164.	2.9	92
82	Angiotensin II induces apoptosis in human and rat alveolar epithelial cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 276, L885-L889.	2.9	158
83	Alveolar epithelial cell death adjacent to underlying myofibroblasts in advanced fibrotic human lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 275, L1192-L1199.	2.9	208
84	Cell size, cell cycle, and Î±-smooth muscle actin expression by primary human lung fibroblasts. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 275, L998-L1005.	2.9	29
85	Captopril inhibits apoptosis in human lung epithelial cells: a potential antifibrotic mechanism. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 275, L1013-L1017.	2.9	73