

Soban Umar

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,549
citations

218677

26
h-index

197818

49
g-index

84
all docs

84
docs citations

84
times ranked

3697
citing authors

#	ARTICLE	IF	CITATIONS
1	Y-Chromosome Gene, <i>Uty</i> , Protects Against Pulmonary Hypertension by Reducing Proinflammatory Chemokines. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 186-196.	5.6	24
2	Needlestick injuries among anesthesia providers from a large US academic center: A 10-year retrospective analysis. Journal of Clinical Anesthesia, 2022, 80, 110885.	1.6	1
3	Editorial Commentary: Pulmonary Artery Denervation for Pulmonary Hypertension: Recent Updates and Future Perspectives. Trends in Cardiovascular Medicine, 2021, 31, 261-263.	4.9	2
4	Single-Cell Study of Two Rat Models of Pulmonary Arterial Hypertension Reveals Connections to Human Pathobiology and Drug Repositioning. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1006-1022.	5.6	36
5	Transcriptomic Analysis of Right Ventricular Remodeling in Two Rat Models of Pulmonary Hypertension. Circulation: Heart Failure, 2021, 14, e007058.	3.9	22
6	Recent advancements in pulmonary arterial hypertension and right heart failure research: overview of selected abstracts from ATS2020 and emerging COVID-19 research. Pulmonary Circulation, 2021, 11, 1-13.	1.7	2
7	Angiotensin Converting Enzyme Inhibitor and Angiotensin II Receptor Blocker Use Among Outpatients Diagnosed With COVID-19. American Journal of Cardiology, 2020, 132, 150-157.	1.6	18
8	Oral 15-Hydroxyeicosatetraenoic Acid Induces Pulmonary Hypertension in Mice by Triggering T Cell-Dependent Endothelial Cell Apoptosis. Hypertension, 2020, 76, 985-996.	2.7	15
9	A Novel Negative Pressure Isolation Device for Aerosol Transmissible COVID-19. Anesthesia and Analgesia, 2020, 131, 664-668.	2.2	15
10	Medical education in the COVID-19 era: Impact on anesthesiology trainees. Journal of Clinical Anesthesia, 2020, 66, 109949.	1.6	24
11	The Role of Estrogen Receptors in Cardiovascular Disease. International Journal of Molecular Sciences, 2020, 21, 4314.	4.1	84
12	In the eye of the storm: the right ventricle in COVID-19. Pulmonary Circulation, 2020, 10, 1-7.	1.7	56
13	Involvement of Low-Density Lipoprotein Receptor in the Pathogenesis of Pulmonary Hypertension. Journal of the American Heart Association, 2020, 9, e012063.	3.7	16
14	Pregnancy-associated cardiac dysfunction and the regulatory role of microRNAs. Biology of Sex Differences, 2020, 11, 14.	4.1	12
15	Y-Chromosome Gene, <i>Uty</i> , Protects Against Pulmonary Hypertension by Reducing Lung Pro-inflammatory Cytokines. FASEB Journal, 2020, 34, 1-1.	0.5	3
16	The Na ⁺ -dependent Inactivation of NCX1.1 is Physiologically Relevant to Cardiac Function. Biophysical Journal, 2020, 118, 100a-101a.	0.5	1
17	Abstract MP172: Y-chromosome Gene, <i>Uty</i> , Confers Male Protection Against Pulmonary Hypertension by Mediating Pro-inflammatory Chemokine Effects. Circulation Research, 2020, 127, .	4.5	0
18	Oxidative Stress and Its Implications in the Right Ventricular Remodeling Secondary to Pulmonary Hypertension. Frontiers in Physiology, 2019, 10, 1233.	2.8	24

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19	Histological hallmarks and role of Slug/ PIP axis in pulmonary hypertension secondary to pulmonary fibrosis. <i>EMBO Molecular Medicine</i> , 2019, 11, e10061.	6.9	14
20	Pulmonary artery denervation: a novel treatment modality for pulmonary hypertension. <i>Journal of Thoracic Disease</i> , 2019, 11, 1094-1096.	1.4	6
21	Experimental Pulmonary Hypertension Is Associated With Neuroinflammation in the Spinal Cord. <i>Frontiers in Physiology</i> , 2019, 10, 1186.	2.8	4
22	In Reply. <i>Anesthesiology</i> , 2019, 130, 519-521.	2.5	0
23	Abstract 494: Role of Slug / PIP Axis in Pulmonary Hypertension Secondary to Pulmonary Fibrosis. <i>Circulation Research</i> , 2019, 125, .	4.5	0
24	Abstract 226: Apoai Mimetic Peptide 6f Prevent Pulmonary Hypertension Induced by Oxidized Lipids. <i>Circulation Research</i> , 2019, 125, .	4.5	0
25	Free Fatty Acid Receptor G-protein-coupled Receptor 40 Mediates Lipid Emulsion-induced Cardioprotection. <i>Anesthesiology</i> , 2018, 129, 154-162.	2.5	19
26	The Y Chromosome Plays a Protective Role in Experimental Hypoxic Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 952-955.	5.6	50
27	Estrogen rescues heart failure through estrogen receptor Beta activation. <i>Biology of Sex Differences</i> , 2018, 9, 48.	4.1	36
28	Effects of teriparatide on morphology of aortic calcification in aged hyperlipidemic mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 314, H1203-H1213.	3.2	22
29	Abstract 250: Pulmonary Hypertension Induced by 15-HETE is Reverse by Apoai Mimetic Peptide 6f Administration. <i>Circulation Research</i> , 2018, 123, .	4.5	0
30	Severe pulmonary hypertension in aging female apolipoprotein E-deficient mice is rescued by estrogen replacement therapy. <i>Biology of Sex Differences</i> , 2017, 8, 9.	4.1	11
31	Intralipid protects the heart in late pregnancy against ischemia/reperfusion injury via Caveolin2/STAT3/GSK-3 β pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 102, 108-116.	1.9	25
32	The protective role of estrogen and estrogen receptors in cardiovascular disease and the controversial use of estrogen therapy. <i>Biology of Sex Differences</i> , 2017, 8, 33.	4.1	464
33	Autonomic nervous system involvement in pulmonary arterial hypertension. <i>Respiratory Research</i> , 2017, 18, 201.	3.6	93
34	Abstract 498: In vivo Assessment of Murine Valvular and Vascular Calcification Using ^{18}F Sodium Fluoride Micro Positron-Emission Tomography and Computed Tomography. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, .	2.4	0
35	Abstract 216: Causal Role of Oxidized Lipids in Pulmonary Hypertension Development. <i>Circulation Research</i> , 2017, 121, .	4.5	0
36	Abstract 321: Protein Tyrosine Phosphatase 1B: a Novel Regulator of Proliferation and Apoptosis in the Development of Pulmonary Arterial Hypertension. <i>Circulation Research</i> , 2017, 121, .	4.5	0

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37	Abstract 21217: PTP1B is a Critical Mediator for Vascular Smooth Cell Proliferation in the Development of Pulmonary Hypertension in vivo and in vitro. <i>Circulation</i> , 2017, 136, .	1.6	0
38	Abstract 21146: Late Pregnancy is Associated With a Decrease in Global Circumferential Strain and Tumor Necrosis Factor Receptor 2. <i>Circulation</i> , 2017, 136, .	1.6	0
39	Rescue of Pressure Overloadâ€­Induced Heart Failure by Estrogen Therapy. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	48
40	Involvement of Opioid Receptors in Lipid Rescue of Bupivacaine-Induced Cardiotoxicity. <i>Survey of Anesthesiology</i> , 2016, 60, 78-79.	0.1	0
41	Role of Oxidized Lipids in Pulmonary Arterial Hypertension. <i>Pulmonary Circulation</i> , 2016, 6, 261-273.	1.7	31
42	Novel biomarkers for pulmonary arterial hypertension. <i>Respiratory Research</i> , 2016, 17, 88.	3.6	41
43	Abstract 321: miR-125b-3p Cox20 Axis Deregulation in the Novel Combined Model of Pulmonary Fibrosis, Pulmonary Hypertension. <i>Circulation Research</i> , 2016, 119, .	4.5	0
44	Involvement of Opioid Receptors in the Lipid Rescue of Bupivacaine-Induced Cardiotoxicity. <i>Anesthesia and Analgesia</i> , 2015, 121, 340-347.	2.2	16
45	Role of miR206 in genistein-induced rescue of pulmonary hypertension in monocrotaline model. <i>Journal of Applied Physiology</i> , 2015, 119, 1374-1382.	2.5	16
46	Stem and Progenitor Cell Therapy for Pulmonary Arterial Hypertension: Effects on the Right Ventricle (2013 Grover Conference Series). <i>Pulmonary Circulation</i> , 2015, 5, 73-80.	1.7	9
47	Abstract 16433: Protection Conferred by Y-chromosome Against Hypoxia-induced Pulmonary Hypertension is Not Due to Ddx3y Gene. <i>Circulation</i> , 2015, 132, .	1.6	1
48	The number of X chromosomes influences protection from cardiac ischaemia/reperfusion injury in mice: one X is better than two. <i>Cardiovascular Research</i> , 2014, 102, 375-384.	3.8	74
49	Apolipoprotein A-I Mimetic Peptide 4F Rescues Pulmonary Hypertension by Inducing MicroRNA-193-3p. <i>Circulation</i> , 2014, 130, 776-785.	1.6	80
50	Depolarization-induced automaticity in rat ventricular cardiomyocytes is based on the gating properties of L-type calcium and slow Kv channels. <i>European Biophysics Journal</i> , 2013, 42, 241-255.	2.2	3
51	Abstract 303: HDL Mimetic Peptide 4F Rescues Pre-existing Pulmonary Hypertension via MicroRNA 193-3p. <i>Circulation Research</i> , 2013, 113, .	4.5	0
52	Reverse right ventricular structural and extracellular matrix remodeling by estrogen in severe pulmonary hypertension. <i>Journal of Applied Physiology</i> , 2012, 113, 149-158.	2.5	50
53	Cardiac structural and hemodynamic changes associated with physiological heart hypertrophy of pregnancy are reversed postpartum. <i>Journal of Applied Physiology</i> , 2012, 113, 1253-1259.	2.5	57
54	Spontaneous Ventricular Fibrillation in Right Ventricular Failure Secondary to Chronic Pulmonary Hypertension. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 181-190.	4.8	47

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55	Fatty-acid oxidation and calcium homeostasis are involved in the rescue of bupivacaine-induced cardiotoxicity by lipid emulsion in rats*. Critical Care Medicine, 2012, 40, 2431-2437.	0.9	94
56	Apolipoprotein-A1 Mimetic Peptide 4F Rescues Pre-Existing Severe Pulmonary Hypertension And Right Ventricular Dysfunction. , 2012, , .		0
57	Intralipid, a Clinically Safe Compound, Protects the Heart Against Ischemia-Reperfusion Injury More Efficiently Than Cyclosporine-A. Anesthesiology, 2012, 117, 836-846.	2.5	74
58	Prevention Of Spontaneous Ventricular Arrhythmias In Pulmonary Hypertension-Induced Right Ventricular Failure By Estrogen Therapy. , 2012, , .		0
59	Estrogen Paradox in Pulmonary Hypertension. American Journal of Respiratory and Critical Care Medicine, 2012, 186, 125-131.	5.6	66
60	Genistein, a Soy Phytoestrogen, Reverses Severe Pulmonary Hypertension and Prevents Right Heart Failure in Rats. Hypertension, 2012, 60, 425-430.	2.7	74
61	Estrogen Therapy Abolishes Spontaneous Ventricular Arrhythmias in Right Ventricular Failure Induced by Pulmonary Hypertension. Biophysical Journal, 2012, 102, 35a.	0.5	0
62	Elevated Plasma Oxidized Lipids in Severe Pulmonary Hypertension are Fully Restored by Estrogen Therapy. Biophysical Journal, 2012, 102, 139a.	0.5	0
63	Structural and Hemodynamic Changes Associated with Physiologic Heart Hypertrophy of Pregnancy are Reversed Postpartum. Biophysical Journal, 2012, 102, 139a-140a.	0.5	0
64	Apolipoprotein-A1 Mimetic Peptide 4F Rescues Severe Pulmonary Hypertension in Rats and Inhibits Human Pulmonary Artery Smooth Muscle Cell Proliferation In Vitro. Biophysical Journal, 2012, 102, 140a.	0.5	0
65	Genistein Therapy Reverses Lung Inflammation and Fibrosis during Severe Pulmonary Hypertension through Estrogen Receptor Beta. Biophysical Journal, 2012, 102, 140a.	0.5	2
66	Estrogen Directly Reverses Cardiac Remodeling Associated with Pulmonary Hypertension Induced Right Ventricular Failure. Biophysical Journal, 2012, 102, 140a-141a.	0.5	0
67	Cardiac vulnerability to ischemia/reperfusion injury drastically increases in late pregnancy. Basic Research in Cardiology, 2012, 107, 271.	5.9	27
68	Severe Pulmonary Hypertension In Rats Is Associated With Secondary Myelofibrosis. , 2012, , .		0
69	Exogenous Estrogen Therapy Of Aging Female Apolipoprotein E-Deficient Mice Rescues Pulmonary Hypertension And Right Ventricular Dysfunction. , 2012, , .		0
70	Genistein Fails To Rescue Severe Pulmonary Hypertension In The Presence Of Estrogen Receptor β Antagonist. , 2012, , .		0
71	Abstract 230: Gender Differences in the Development of Experimental Pulmonary Hypertension and Associated Right Ventricular Remodeling: The Role of Estrogen Rescue. Circulation Research, 2012, 111, .	4.5	0
72	New frontiers in heart hypertrophy during pregnancy. American Journal of Cardiovascular Disease, 2012, 2, 192-207.	0.5	38

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73	Phosphorylation of GSK-3 β Mediates Intralipid-induced Cardioprotection against Ischemia/Reperfusion Injury. <i>Anesthesiology</i> , 2011, 115, 242-253.	2.5	128
74	Estrogen Rescues Preexisting Severe Pulmonary Hypertension in Rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 715-723.	5.6	120
75	Intralipid Prevents and Rescues Fatal Pulmonary Arterial Hypertension and Right Ventricular Failure in Rats. <i>Hypertension</i> , 2011, 58, 512-518.	2.7	29
76	Nitric oxide and nitric oxide synthase isoforms in the normal, hypertrophic, and failing heart. <i>Molecular and Cellular Biochemistry</i> , 2010, 333, 191-201.	3.1	152
77	Integrin Stimulation Favors Uptake of Macromolecules by Cardiomyocytes <i>In Vitro</i>. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 999-1010.	1.6	10
78	Allogenic stem cell therapy improves right ventricular function by improving lung pathology in rats with pulmonary hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H1606-H1616.	3.2	101
79	Myocardial collagen metabolism in failing hearts before and during cardiac resynchronization therapy. <i>European Journal of Heart Failure</i> , 2008, 10, 878-883.	7.1	28
80	Activation of signaling molecules and matrix metalloproteinases in right ventricular myocardium of rats with pulmonary hypertension. <i>Pathology Research and Practice</i> , 2007, 203, 863-872.	2.3	33