

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	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
2	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
3	Phosphorylation of GSK-3 β Mediates Intralipid-induced Cardioprotection against Ischemia/Reperfusion Injury. <i>Anesthesiology</i> , 2011, 115, 242-253.	2.5	128
4	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
5	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
6	Fatty-acid oxidation and calcium homeostasis are involved in the rescue of bupivacaine-induced cardiotoxicity by lipid emulsion in rats*. <i>Critical Care Medicine</i> , 2012, 40, 2431-2437.	0.9	94
7	Autonomic nervous system involvement in pulmonary arterial hypertension. <i>Respiratory Research</i> , 2017, 18, 201.	3.6	93
8	The Role of Estrogen Receptors in Cardiovascular Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4314.	4.1	84
9	Apolipoprotein A-I Mimetic Peptide 4F Rescues Pulmonary Hypertension by Inducing MicroRNA-193-3p. <i>Circulation</i> , 2014, 130, 776-785.	1.6	80
10	Intralipid, a Clinically Safe Compound, Protects the Heart Against Ischemia-Reperfusion Injury More Efficiently Than Cyclosporine-A. <i>Anesthesiology</i> , 2012, 117, 836-846.	2.5	74
11	Genistein, a Soy Phytoestrogen, Reverses Severe Pulmonary Hypertension and Prevents Right Heart Failure in Rats. <i>Hypertension</i> , 2012, 60, 425-430.	2.7	74
12	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
13	Estrogen Paradox in Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 125-131.	5.6	66
14	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
15	In the eye of the storm: the right ventricle in COVID-19. <i>Pulmonary Circulation</i> , 2020, 10, 1-7.	1.7	56
16	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
17	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
18	Rescue of Pressure Overload-Induced Heart Failure by Estrogen Therapy. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	48

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19	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
20	Novel biomarkers for pulmonary arterial hypertension. <i>Respiratory Research</i> , 2016, 17, 88.	3.6	41
21	New frontiers in heart hypertrophy during pregnancy. <i>American Journal of Cardiovascular Disease</i> , 2012, 2, 192-207.	0.5	38
22	Estrogen rescues heart failure through estrogen receptor Beta activation. <i>Biology of Sex Differences</i> , 2018, 9, 48.	4.1	36
23	Single-Cell Study of Two Rat Models of Pulmonary Arterial Hypertension Reveals Connections to Human Pathobiology and Drug Repositioning. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 1006-1022.	5.6	36
24	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
25	Role of Oxidized Lipids in Pulmonary Arterial Hypertension. <i>Pulmonary Circulation</i> , 2016, 6, 261-273.	1.7	31
26	Intralipid Prevents and Rescues Fatal Pulmonary Arterial Hypertension and Right Ventricular Failure in Rats. <i>Hypertension</i> , 2011, 58, 512-518.	2.7	29
27	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
28	Cardiac vulnerability to ischemia/reperfusion injury drastically increases in late pregnancy. <i>Basic Research in Cardiology</i> , 2012, 107, 271.	5.9	27
29	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
30	Oxidative Stress and Its Implications in the Right Ventricular Remodeling Secondary to Pulmonary Hypertension. <i>Frontiers in Physiology</i> , 2019, 10, 1233.	2.8	24
31	Medical education in the COVID-19 era: Impact on anesthesiology trainees. <i>Journal of Clinical Anesthesia</i> , 2020, 66, 109949.	1.6	24
32	Y-Chromosome Gene, <i>Uty</i> , Protects Against Pulmonary Hypertension by Reducing Proinflammatory Chemokines. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 186-196.	5.6	24
33	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
34	Transcriptomic Analysis of Right Ventricular Remodeling in Two Rat Models of Pulmonary Hypertension. <i>Circulation: Heart Failure</i> , 2021, 14, e007058.	3.9	22
35	Free Fatty Acid Receptor G-protein-coupled Receptor 40 Mediates Lipid Emulsion-induced Cardioprotection. <i>Anesthesiology</i> , 2018, 129, 154-162.	2.5	19
36	Angiotensin Converting Enzyme Inhibitor and Angiotensin II Receptor Blocker Use Among Outpatients Diagnosed With COVID-19. <i>American Journal of Cardiology</i> , 2020, 132, 150-157.	1.6	18

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37	Involvement of Opioid Receptors in the Lipid Rescue of Bupivacaine-Induced Cardiotoxicity. <i>Anesthesia and Analgesia</i> , 2015, 121, 340-347.	2.2	16
38	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
39	Involvement of Low-Density Lipoprotein Receptor in the Pathogenesis of Pulmonary Hypertension. <i>Journal of the American Heart Association</i> , 2020, 9, e012063.	3.7	16
40	Oral 15-Hydroxyeicosatetraenoic Acid Induces Pulmonary Hypertension in Mice by Triggering T Cell-Dependent Endothelial Cell Apoptosis. <i>Hypertension</i> , 2020, 76, 985-996.	2.7	15
41	A Novel Negative Pressure Isolation Device for Aerosol Transmissible COVID-19. <i>Anesthesia and Analgesia</i> , 2020, 131, 664-668.	2.2	15
42	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
43	Pregnancy-associated cardiac dysfunction and the regulatory role of microRNAs. <i>Biology of Sex Differences</i> , 2020, 11, 14.	4.1	12
44	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
45	Integrin Stimulation Favors Uptake of Macromolecules by Cardiomyocytes & In Vitro. <i>Cellular Physiology and Biochemistry</i> , 2010, 26, 999-1010.	1.6	10
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	Pulmonary artery denervation: a novel treatment modality for pulmonary hypertension. <i>Journal of Thoracic Disease</i> , 2019, 11, 1094-1096.	1.4	6
48	Experimental Pulmonary Hypertension Is Associated With Neuroinflammation in the Spinal Cord. <i>Frontiers in Physiology</i> , 2019, 10, 1186.	2.8	4
49	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
50	Y-Chromosome Gene, Uty, Protects Against Pulmonary Hypertension by Reducing Lung Pro-Inflammatory Cytokines. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	3
51	Genistein Therapy Reverses Lung Inflammation and Fibrosis during Severe Pulmonary Hypertension through Estrogen Receptor Beta. <i>Biophysical Journal</i> , 2012, 102, 140a.	0.5	2
52	Editorial Commentary: Pulmonary Artery Denervation for Pulmonary Hypertension: Recent Updates and Future Perspectives. <i>Trends in Cardiovascular Medicine</i> , 2021, 31, 261-263.	4.9	2
53	Recent advancements in pulmonary arterial hypertension and right heart failure research: overview of selected abstracts from ATS2020 and emerging COVID-19 research. <i>Pulmonary Circulation</i> , 2021, 11, 1-13.	1.7	2
54	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

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55	The Na ⁺ -dependent Inactivation of NCX1.1 is Physiologically Relevant to Cardiac Function. <i>Biophysical Journal</i> , 2020, 118, 100a-101a.	0.5	1
56	Needlestick injuries among anesthesia providers from a large US academic center: A 10-year retrospective analysis. <i>Journal of Clinical Anesthesia</i> , 2022, 80, 110885.	1.6	1
57	Apolipoprotein-A1 Mimetic Peptide 4F Rescues Pre-Existing Severe Pulmonary Hypertension And Right Ventricular Dysfunction. , 2012, , .		0
58	Prevention Of Spontaneous Ventricular Arrhythmias In Pulmonary Hypertension-Induced Right Ventricular Failure By Estrogen Therapy. , 2012, , .		0
59	Estrogen Therapy Abolishes Spontaneous Ventricular Arrhythmias in Right Ventricular Failure Induced by Pulmonary Hypertension. <i>Biophysical Journal</i> , 2012, 102, 35a.	0.5	0
60	Elevated Plasma Oxidized Lipids in Severe Pulmonary Hypertension are Fully Restored by Estrogen Therapy. <i>Biophysical Journal</i> , 2012, 102, 139a.	0.5	0
61	Structural and Hemodynamic Changes Associated with Physiologic Heart Hypertrophy of Pregnancy are Reversed Postpartum. <i>Biophysical Journal</i> , 2012, 102, 139a-140a.	0.5	0
62	Apolipoprotein-A1 Mimetic Peptide 4F Rescues Severe Pulmonary Hypertension in Rats and Inhibits Human Pulmonary Artery Smooth Muscle Cell Proliferation In Vitro. <i>Biophysical Journal</i> , 2012, 102, 140a.	0.5	0
63	Estrogen Directly Reverses Cardiac Remodeling Associated with Pulmonary Hypertension Induced Right Ventricular Failure. <i>Biophysical Journal</i> , 2012, 102, 140a-141a.	0.5	0
64	Severe Pulmonary Hypertension In Rats Is Associated With Secondary Myelofibrosis. , 2012, , .		0
65	Exogenous Estrogen Therapy Of Aging Female Apolipoprotein E-Deficient Mice Rescues Pulmonary Hypertension And Right Ventricular Dysfunction. , 2012, , .		0
66	Gensitein Fails To Rescue Severe Pulmonary Hypertension In The Presence Of Estrogen Receptor \hat{A}^2 Antagonist. , 2012, , .		0
67	Involvement of Opioid Receptors in Lipid Rescue of Bupivacaine-Induced Cardiotoxicity. <i>Survey of Anesthesiology</i> , 2016, 60, 78-79.	0.1	0
68	In Reply. <i>Anesthesiology</i> , 2019, 130, 519-521.	2.5	0
69	Abstract 230: Gender Differences in the Development of Experimental Pulmonary Hypertension and Associated Right Ventricular Remodeling: The Role of Estrogen Rescue. <i>Circulation Research</i> , 2012, 111, .	4.5	0
70	Abstract 303: HDL Mimetic Peptide 4F Rescues Pre-existing Pulmonary Hypertension via MicroRNA 193-3p. <i>Circulation Research</i> , 2013, 113, .	4.5	0
71	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
72	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

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73	Abstract 216: Causal Role of Oxidized Lipids in Pulmonary Hypertension Development. Circulation Research, 2017, 121, .	4.5	0
74	Abstract 321: Protein Tyrosine Phosphatase 1B: a Novel Regulator of Proliferation and Apoptosis in the Development of Pulmonary Arterial Hypertension. Circulation Research, 2017, 121, .	4.5	0
75	Abstract 250: Pulmonary Hypertension Induced by 15-HETE is Reverse by Apoai Mimetic Peptide 6f Administration. Circulation Research, 2018, 123, .	4.5	0
76	Abstract 494: Role of Slug / PIP Axis in Pulmonary Hypertension Secondary to Pulmonary Fibrosis. Circulation Research, 2019, 125, .	4.5	0
77	Abstract 226: Apoai Mimetic Peptide 6f Prevent Pulmonary Hypertension Induced by Oxidized Lipids. Circulation Research, 2019, 125, .	4.5	0
78	Abstract MP172: Y-chromosome Gene, Uty, Confers Male Protection Against Pulmonary Hypertension by Mediating Pro-inflammatory Chemokine Effects. Circulation Research, 2020, 127, .	4.5	0
79	Abstract 21217: PTP1B is a Critical Mediator for Vascular Smooth Cell Proliferation in the Development of Pulmonary Hypertension in vivo and in vitro. Circulation, 2017, 136, .	1.6	0
80	Abstract 21146: Late Pregnancy is Associated With a Decrease in Global Circumferential Strain and Tumor Necrosis Factor Receptor 2. Circulation, 2017, 136, .	1.6	0