

Robert Szulcek

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,066
citations

489802

18
h-index

511568

30
g-index

37
all docs

37
docs citations

37
times ranked

2154
citing authors

#	ARTICLE	IF	CITATIONS
1	Epigenetic Modification of the von Willebrand Factor Promoter Drives Platelet Aggregation on the Pulmonary Endothelium in Chronic Thromboembolic Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 806-818.	2.5	23
2	Metabolic profile in endothelial cells of chronic thromboembolic pulmonary hypertension and pulmonary arterial hypertension. <i>Scientific Reports</i> , 2022, 12, 2283.	1.6	6
3	Editorial: Bridging Techniques: Basic Science of Molecules, Cellular Systems, and Whole-Organ Physiology. <i>Frontiers in Physiology</i> , 2022, 13, 879396.	1.3	0
4	Increased MAO-A Activity Promotes Progression of Pulmonary Arterial Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 331-343.	1.4	12
5	Extracellular Matrix Protein Ratios in the Human Heart and Vessels: How to Distinguish Pathological From Physiological Changes?. <i>Frontiers in Physiology</i> , 2021, 12, 708656.	1.3	26
6	Cellular senescence impairs the reversibility of pulmonary arterial hypertension. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	74
7	Exacerbated inflammatory signaling underlies aberrant response to BMP9 in pulmonary arterial hypertension lung endothelial cells. <i>Angiogenesis</i> , 2020, 23, 699-714.	3.7	22
8	The updated cancer paradigm of PAH: recognizing complexity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L1111-L1114.	1.3	2
9	Long non-coding RNA LASSIE regulates shear stress sensing and endothelial barrier function. <i>Communications Biology</i> , 2020, 3, 265.	2.0	32
10	MnTBAP Reverses Pulmonary Vascular Remodeling and Improves Cardiac Function in Experimentally Induced Pulmonary Arterial Hypertension. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4130.	1.8	2
11	In Vitro Microfluidic Disease Model to Study Whole Blood-Endothelial Interactions and Blood Clot Dynamics in Real-Time. <i>Journal of Visualized Experiments</i> , 2020, , .	0.2	10
12	Therapeutic potential of KLF2-induced exosomal microRNAs in pulmonary hypertension. <i>Nature Communications</i> , 2020, 11, 1185.	5.8	52
13	The Effects of Mercaptopurine on Pulmonary Vascular Resistance and BMPR2 Expression in Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 296-299.	2.5	10
14	Elevated Von Willebrand Factor expression in the activated pulmonary endothelium of chronic thromboembolic pulmonary hypertension patients enhances platelet adhesion. , 2020, , .		0
15	Nintedanib improves cardiac fibrosis but leaves pulmonary vascular remodelling unaltered in experimental pulmonary hypertension. <i>Cardiovascular Research</i> , 2019, 115, 432-439.	1.8	38
16	Autophagy contributes to BMP type 2 receptor degradation and development of pulmonary arterial hypertension. <i>Journal of Pathology</i> , 2019, 249, 356-367.	2.1	30
17	Prevention of progression of pulmonary hypertension by the Nur77 agonist 6-mercaptopurine: role of BMP signalling. <i>European Respiratory Journal</i> , 2019, 54, 1802400.	3.1	25
18	Multicenter Preclinical Validation of BET Inhibition for the Treatment of Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 910-920.	2.5	100

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19	Microcirculatory perfusion disturbances following cardiac surgery with cardiopulmonary bypass are associated with in vitro endothelial hyperpermeability and increased angiotensin-2 levels. <i>Critical Care</i> , 2019, 23, 117.	2.5	24
20	Endothelial dysfunction in pulmonary arterial hypertension: loss of cilia length regulation upon cytokine stimulation. <i>Pulmonary Circulation</i> , 2018, 8, 1-9.	0.8	27
21	The covalently immobilized antimicrobial peptide LL37 acts as a VEGF mimic and stimulates endothelial cell proliferation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 496, 887-890.	1.0	7
22	Contribution of Impaired Parasympathetic Activity to Right Ventricular Dysfunction and Pulmonary Vascular Remodeling in Pulmonary Arterial Hypertension. <i>Circulation</i> , 2018, 137, 910-924.	1.6	83
23	Blood Outgrowth and Proliferation of Endothelial Colony Forming Cells are Related to Markers of Disease Severity in Patients with Pulmonary Arterial Hypertension. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3763.	1.8	12
24	Stiffness-Induced Endothelial DLC-1 Expression Forces Leukocyte Spreading through Stabilization of the ICAM-1 Adhesome. <i>Cell Reports</i> , 2018, 24, 3115-3124.	2.9	31
25	Outgrowth, proliferative speed and angiogenic capacity of Endothelial Colony Forming Cells (ECFC) correlate with disease severity and right ventricular (RV) adaptation in Pulmonary Arterial Hypertension (PAH) patients. , 2018, , .		0
26	Reconciling paradigms of abnormal pulmonary blood flow and quasi-malignant cellular alterations in pulmonary arterial hypertension. <i>Vascular Pharmacology</i> , 2016, 83, 17-25.	1.0	7
27	Delayed Microvascular Shear Adaptation in Pulmonary Arterial Hypertension. Role of Platelet Endothelial Cell Adhesion Molecule-1 Cleavage. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1410-1420.	2.5	77
28	THSD1 preserves vascular integrity and protects against intraplaque haemorrhaging in ApoE ^{-/-} mice. <i>Cardiovascular Research</i> , 2016, 110, 129-139.	1.8	30
29	Transient Intervals of Hyper-Gravity Enhance Endothelial Barrier Integrity: Impact of Mechanical and Gravitational Forces Measured Electrically. <i>PLoS ONE</i> , 2015, 10, e0144269.	1.1	16
30	Time-resolved study of endothelial shear-responsiveness in pulmonary arterial hypertension. , 2015, , .		0
31	Balancing TGFbeta/BMP in pulmonary arterial hypertension. , 2015, , .		0
32	Electric Cell-substrate Impedance Sensing for the Quantification of Endothelial Proliferation, Barrier Function, and Motility. <i>Journal of Visualized Experiments</i> , 2014, , .	0.2	156
33	Localized RhoA GTPase activity regulates dynamics of endothelial monolayer integrity. <i>Cardiovascular Research</i> , 2013, 99, 471-482.	1.8	69
34	Nitrosation-Dependent Caveolin 1 Phosphorylation, Ubiquitination, and Degradation and its Association with Idiopathic Pulmonary Arterial Hypertension. <i>Pulmonary Circulation</i> , 2013, 3, 816-830.	0.8	59