

# Natascha Sommer

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33  
papers

682  
citations

13  
h-index

25  
g-index

42  
ext. papers

1,010  
ext. citations

7.5  
avg, IF

3.69  
L-index

#	Paper	IF	Citations
33	The Giessen Pulmonary Hypertension Registry: Survival in pulmonary hypertension subgroups. <i>Journal of Heart and Lung Transplantation</i> , <b>2017</b> , 36, 957-967	5.8	138
32	Oxygen sensing and signal transduction in hypoxic pulmonary vasoconstriction. <i>European Respiratory Journal</i> , <b>2016</b> , 47, 288-303	13.6	84
31	Validation of the Tricuspid Annular Plane Systolic Excursion/Systolic Pulmonary Artery Pressure Ratio for the Assessment of Right Ventricular-Arterial Coupling in Severe Pulmonary Hypertension. <i>Circulation: Cardiovascular Imaging</i> , <b>2019</b> , 12, e009047	3.9	77
30	Mitochondrial Complex IV Subunit 4 Isoform 2 Is Essential for Acute Pulmonary Oxygen Sensing. <i>Circulation Research</i> , <b>2017</b> , 121, 424-438	15.7	58
29	Function of NADPH oxidase 1 in pulmonary arterial smooth muscle cells after monocrotaline-induced pulmonary vascular remodeling. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 19, 2213-2231	8.4	57
28	Mitochondrial hyperpolarization in pulmonary vascular remodeling. Mitochondrial uncoupling protein deficiency as disease model. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2013</b> , 49, 358-67	5.7	50
27	Impact of the mitochondria-targeted antioxidant MitoQ on hypoxia-induced pulmonary hypertension. <i>European Respiratory Journal</i> , <b>2018</b> ,	13.6	30
26	Alternative Oxidase Attenuates Cigarette Smoke-induced Lung Dysfunction and Tissue Damage. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2019</b> , 60, 515-522	5.7	21
25	Thin Air Resulting in High Pressure: Mountain Sickness and Hypoxia-Induced Pulmonary Hypertension. <i>Canadian Respiratory Journal</i> , <b>2017</b> , 2017, 8381653	2.1	19
24	Bypassing mitochondrial complex III using alternative oxidase inhibits acute pulmonary oxygen sensing. <i>Science Advances</i> , <b>2020</b> , 6, eaba0694	14.3	18
23	The prognostic impact of thyroid function in pulmonary hypertension. <i>Journal of Heart and Lung Transplantation</i> , <b>2016</b> , 35, 1427-1434	5.8	14
22	Impaired right ventricular lusitropy is associated with ventilatory inefficiency in pulmonary arterial hypertension. <i>European Respiratory Journal</i> , <b>2019</b> , 54,	13.6	13
21	A simple echocardiographic estimate of right ventricular-arterial coupling to assess severity and outcome in pulmonary hypertension on chronic lung disease. <i>European Respiratory Journal</i> , <b>2019</b> , 54,	13.6	13
20	Resolvin E1 Improves Mitochondrial Function in Human Alveolar Epithelial Cells during Severe Inflammation. <i>Lipids</i> , <b>2019</b> , 54, 53-65	1.6	9
19	Impact of SARS-CoV-2 pandemic on pulmonary hypertension out-patient clinics in Germany: a multi-centre study. <i>Pulmonary Circulation</i> , <b>2020</b> , 10, 2045894020941682	2.7	9
18	The Clinical Significance of HbA1c in Operable Chronic Thromboembolic Pulmonary Hypertension. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152580	3.7	8
17	Association of right atrial conduit phase with right ventricular lusitropic function in pulmonary hypertension. <i>International Journal of Cardiovascular Imaging</i> , <b>2020</b> , 36, 633-642	2.5	7

16	Hypoxic pulmonary vasoconstriction in isolated mouse pulmonary arterial vessels. <i>Experimental Physiology</i> , <b>2018</b> , 103, 1185-1191	2.4	7
15	Flow Cytometry-Based Quantification of Neutrophil Extracellular Traps Shows an Association with Hypercoagulation in Septic Shock and Hypocoagulation in Postsurgical Systemic Inflammation-A Proof-of-Concept Study. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	6
14	Impairment of hypoxic pulmonary vasoconstriction in acute respiratory distress syndrome. <i>European Respiratory Review</i> , <b>2021</b> , 30,	9.8	6
13	Circulating Angiotensin II Is Not a Biomarker of Disease Severity or Prognosis in Pulmonary Hypertension. <i>PLoS ONE</i> , <b>2016</b> , 11, e0165982	3.7	5
12	Physical Activity and Mental Health of Patients with Pulmonary Hypertension during the COVID-19 Pandemic. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	4
11	Evaluation of pulmonary hypertension by right heart catheterisation: does timing matter?. <i>European Respiratory Journal</i> , <b>2020</b> , 56,	13.6	4
10	NADPH oxidase subunit NOXO1 is a target for emphysema treatment in COPD. <i>Nature Metabolism</i> , <b>2020</b> , 2, 532-546	14.6	4
9	Alternative oxidase encoded by sequence-optimized and chemically-modified RNA transfected into mammalian cells is catalytically active. <i>Gene Therapy</i> , <b>2021</b> ,	4	4
8	Validity of echocardiographic tricuspid regurgitation gradient to screen for new definition of pulmonary hypertension. <i>EClinicalMedicine</i> , <b>2021</b> , 34, 100822	11.3	3
7	Lack of Contribution of p66shc to Pressure Overload-Induced Right Heart Hypertrophy. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	2
6	Genetic Deletion of p66shc and/or Cyclophilin D Results in Decreased Pulmonary Vascular Tone. <i>Cardiovascular Research</i> , <b>2020</b> ,	9.9	2
5	Immunomodulation by an Omega-6 Fatty Acid Reduced Mixed Lipid Emulsion in Murine Acute Respiratory Distress Syndrome. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	2
4	Endogenous formaldehyde scavenges cellular glutathione resulting in redox disruption and cytotoxicity.. <i>Nature Communications</i> , <b>2022</b> , 13, 745	17.4	2
3	The effect of long-term doxycycline treatment in a mouse model of cigarette smoke-induced emphysema and pulmonary hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2021</b> , 320, L903-L915	5.8	1
2	A Microfluidic System for Simultaneous Raman Spectroscopy, Patch-Clamp Electrophysiology, and Live-Cell Imaging to Study Key Cellular Events of Single Living Cells in Response to Acute Hypoxia.. <i>Small Methods</i> , <b>2021</b> , 5, e2100470	12.8	1
1	Experimental Setup for Investigation of Acute Mitochondrial Oxygen Sensing in Primary Cells. <i>Methods in Molecular Biology</i> , <b>2022</b> , 301-311	1.4	