Nikki L Jernigan

List of Publications by Citations

57 papers	1,506 citations	24 h-index	38 g-index
58 ext. papers	1,652 ext. citations	4.5 avg, IF	4.7 L-index

#	Paper	IF	Citations
57	Reactive oxygen species mediate RhoA/Rho kinase-induced Ca2+ sensitization in pulmonary vascular smooth muscle following chronic hypoxia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2008**, 295, L515-29	5.8	121
56	Vascular ENaC proteins are required for renal myogenic constriction. *American Journal of Physiology - Renal Physiology*, **2005**, 289, F891-901	4.3	117
55	Myogenic vasoconstriction in mouse renal interlobar arteries: role of endogenous beta and gammaENaC. *American Journal of Physiology - Renal Physiology*, **2006**, 291, F1184-91	4.3	93
54	A new trick for an old dogma: ENaC proteins as mechanotransducers in vascular smooth muscle. *Physiology*, **2008**, 23, 23-31	9.8	75
53	Chronic hypoxia augments protein kinase G-mediated Ca2+ desensitization in pulmonary vascular smooth muscle through inhibition of RhoA/Rho kinase signaling. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2004**, 287, L1220-9	5.8	66
52	ASIC proteins regulate smooth muscle cell migration. *Microvascular Research*, **2008**, 75, 202-10	3.7	63
51	Sensing tension: epithelial sodium channel/acid-sensing ion channel proteins in cardiovascular homeostasis. *Hypertension*, **2008**, 51, 1265-71	8.5	63
50	Renal vascular responses to CORM-A1 in the mouse. *Pharmacological Research*, **2006**, 54, 24-9	10.2	62
49	Chronic hypoxia augments depolarization-induced Ca2+ sensitization in pulmonary vascular smooth muscle through superoxide-dependent stimulation of RhoA. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2010**, 298, L232-42	5.8	58
48	Endothelium-derived reactive oxygen species and endothelin-1 attenuate NO-dependent pulmonary vasodilation following chronic hypoxia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2004**, 287, L801-8	5.8	42
47	Impaired pressure-induced constriction in mouse middle cerebral arteries of ASIC2 knockout mice. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H1793-803	5.2	41
46	Chronic hypoxia attenuates cGMP-dependent pulmonary vasodilation. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2002**, 282, L1366-75	5.8	41
45	ASIC1 contributes to pulmonary vascular smooth muscle store-operated Ca(2+) entry. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2009**, 297, L271-85	5.8	39
44	Chronic hypoxia upregulates pulmonary arterial ASIC1: a novel mechanism of enhanced store-operated Ca2+ entry and receptor-dependent vasoconstriction. *American Journal of Physiology - Cell Physiology*, **2012**, 302, C931-40	5.4	39
43	Contribution of oxygen radicals to altered NO-dependent pulmonary vasodilation in acute and chronic hypoxia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2004**, 286, L947-55	5.8	39
42	Role of ASIC1 in the development of chronic hypoxia-induced pulmonary hypertension. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H41-52	5.2	38
41	Contribution of reactive oxygen species to the pathogenesis of pulmonary arterial hypertension. *PLoS ONE*, **2017**, 12, e0180455	3.7	35

40	Calcium homeostasis and sensitization in pulmonary arterial smooth muscle. *Microcirculation*, **2014**, 21, 259-71	2.9	34
39	Enhanced depolarization-induced pulmonary vasoconstriction following chronic hypoxia requires EGFR-dependent activation of NAD(P)H oxidase 2. *Antioxidants and Redox Signaling*, **2013**, 18, 1777-88	8.4	34
38	Dietary salt enhances benzamil-sensitive component of myogenic constriction in mesenteric arteries. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H409-20	5.2	34
37	Impaired NO-dependent inhibition of store- and receptor-operated calcium entry in pulmonary vascular smooth muscle after chronic hypoxia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2006**, 290, L517-25	5.8	32
36	Pulmonary PKG-1 is upregulated following chronic hypoxia. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2003**, 285, L634-42	5.8	30
35	Chronic hypoxia limits H2O2-induced inhibition of ASIC1-dependent store-operated calcium entry in pulmonary arterial smooth muscle. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2014**, 307, L419-30	5.8	27
34	Reactive oxygen species and RhoA signaling in vascular smooth muscle: role in chronic hypoxia-induced pulmonary hypertension. *Advances in Experimental Medicine and Biology*, **2010**, 661, 355-73	3.6	24
33	Intermittent hypoxia augments pulmonary vascular smooth muscle reactivity to NO: regulation by reactive oxygen species. *Journal of Applied Physiology*, **2011**, 111, 980-8	3.7	24
32	Correlation of HO-1 expression with onset and reversal of hypoxia-induced vasoconstrictor hyporeactivity. *American Journal of Physiology - Heart and Circulatory Physiology*, **2001**, 281, H298-307	5.2	24
31	ASIC1-mediated calcium entry stimulates NFATc3 nuclear translocation via PICK1 coupling in pulmonary arterial smooth muscle cells. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2016**, 311, L48-58	5.8	18
30	Interleukin-6 trans-signaling contributes to chronic hypoxia-induced pulmonary hypertension. *Pulmonary Circulation*, **2018**, 8, 2045894018780734	2.7	16
29	RhoA increases ASIC1a plasma membrane localization and calcium influx in pulmonary arterial smooth muscle cells following chronic hypoxia. *American Journal of Physiology - Cell Physiology*, **2018**, 314, C166-C176	5.4	15
28	Angiotensin II regulation of renal vascular ENaC proteins. *American Journal of Hypertension*, **2009**, 22, 593-7	2.3	14
27	Actin polymerization contributes to enhanced pulmonary vasoconstrictor reactivity after chronic hypoxia. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 314, H1011-H1021	5.2	13
26	Reduced membrane cholesterol after chronic hypoxia limits Orai1-mediated pulmonary endothelial Ca entry. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 314, H359-H369	5.2	13
25	PICK1/calcineurin suppress ASIC1-mediated Ca2+ entry in rat pulmonary arterial smooth muscle cells. *American Journal of Physiology - Cell Physiology*, **2016**, 310, C390-400	5.4	13
24	Redox Regulation of Ion Channels and Receptors in Pulmonary Hypertension. *Antioxidants and Redox Signaling*, **2019**, 31, 898-915	8.4	13
23	Role of acid-sensing ion channels in hypoxia- and hypercapnia-induced ventilatory responses. *PLoS ONE*, **2018**, 13, e0192724	3.7	12

22	Vasoconstrictor Mechanisms in Chronic Hypoxia-Induced Pulmonary Hypertension: Role of Oxidant Signaling. *Antioxidants*, **2020**, 9,	7.1	12
21	Smooth muscle acid-sensing ion channel 1: pathophysiological implication in hypoxic pulmonary hypertension. *Experimental Physiology*, **2015**, 100, 111-20	2.4	11
20	Reduced membrane cholesterol limits pulmonary endothelial Ca entry after chronic hypoxia. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 312, H1176-H1184	5.2	10
19	Enhanced NO-dependent pulmonary vasodilation limits increased vasoconstrictor sensitivity in neonatal chronic hypoxia. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 313, H828-H838	5.2	6
18	Augmented Pulmonary Vasoconstrictor Reactivity after Chronic Hypoxia Requires Src Kinase and Epidermal Growth Factor Receptor Signaling. *American Journal of Respiratory Cell and Molecular Biology*, **2020**, 62, 61-73	5.7	6
17	Altered Redox Balance in the Development of Chronic Hypoxia-induced Pulmonary Hypertension. *Advances in Experimental Medicine and Biology*, **2017**, 967, 83-103	3.6	5
16	Intermittent Hypoxia Augments Pulmonary Vasoconstrictor Reactivity through PKC Mitochondrial Oxidant Signaling. *American Journal of Respiratory Cell and Molecular Biology*, **2020**, 62, 732-746	5.7	5
15	Mechanisms of NFATc3 activation by increased superoxide and reduced hydrogen peroxide in pulmonary arterial smooth muscle. *American Journal of Physiology - Cell Physiology*, **2014**, 307, C928-38	5.4	5
14	Loss of acid-sensing ion channel 2 enhances pulmonary vascular resistance and hypoxic pulmonary hypertension. *Journal of Applied Physiology*, **2019**, 127, 393-407	3.7	4
13	PKC and reactive oxygen species mediate enhanced pulmonary vasoconstrictor reactivity following chronic hypoxia in neonatal rats. *American Journal of Physiology - Heart and Circulatory Physiology*, **2020**, 318, H470-H483	5.2	4
12	Acid-sensing ion channel 1 contributes to pulmonary arterial smooth muscle cell depolarization following hypoxic pulmonary hypertension. *Journal of Physiology*, **2021**, 599, 4749-4762	3.9	4
11	Altered Lipid Domains Facilitate Enhanced Pulmonary Vasoconstriction after Chronic Hypoxia. *American Journal of Respiratory Cell and Molecular Biology*, **2020**, 62, 709-718	5.7	3
10	Coupling of store-operated calcium entry to vasoconstriction is acid-sensing ion channel 1a dependent in pulmonary but not mesenteric arteries. *PLoS ONE*, **2020**, 15, e0236288	3.7	3
9	Cholesterol Regulation of Pulmonary Endothelial Calcium Homeostasis. *Current Topics in Membranes*, **2018**, 82, 53-91	2.2	2
8	Suppression of Endogenous and ENaC Abolishes Myogenic Vasoconstriction in Mouse Interlobar Arteries. *FASEB Journal*, **2006**, 20, A760	0.9	1
7	ASIC 2 and 3 proteins are required for VSMC wound healing. *FASEB Journal*, **2006**, 20, A1174	0.9	1
6	H2O2 decreases ASIC1 plasma membrane localization in rat pulmonary arterial smooth muscle cells (1175.3). *FASEB Journal*, **2014**, 28, 1175.3	0.9	1
5	Pulmonary Endothelium and Vasomotor Control185-202		1

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4	Role of G protein-coupled estrogen receptors in pulmonary hypertension. *FASEB Journal*, **2018**, 32, 892.4	0.9
3	Intermittent Hypoxia Augments NO-Dependent Pulmonary Vasodilation. *FASEB Journal*, **2009**, 23, 770.5	0.9
2	Loss of endogenous H2O2-induced inhibition of ASIC1-mediated Ca2+ influx in pulmonary artery smooth muscle cells following chronic hypoxia. *FASEB Journal*, **2013**, 27, 1140.4	0.9
1	Membrane depolarization is required for pressure-dependent pulmonary arterial tone but not enhanced vasoconstriction to endothelin-1 following chronic hypoxia. *Pulmonary Circulation*, **2020**, 10, 2045894020973559	2.7