Jay S Naik

List of Publications by Year
in descending order

25 papers	477 citations	759055 12 h-index	713332 21 g-index
25 all docs	25 docs citations	25 times ranked	597 citing authors

#	Article	IF	Citations
1	Hydrogen sulfide dilates rat mesenteric arteries by activating endothelial large-conductance Ca²⁺-activated K⁺ channels and smooth muscle Ca²⁺ sparks. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H1446-H1454.	1.5	103
2	Hydrogen sulfide-induced vasodilation mediated by endothelial TRPV4 channels. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H1437-H1444.	1.5	64
3	Endogenous carbon monoxide is an endothelial-derived vasodilator factor in the mesenteric circulation. American Journal of Physiology - Heart and Circulatory Physiology, 2003, 284, H838-H845.	1.5	45
4	Contribution of reactive oxygen species to the pathogenesis of pulmonary arterial hypertension. PLoS ONE, 2017, 12, e0180455.	1.1	45
5	Pressure-induced smooth muscle cell depolarization in pulmonary arteries from control and chronically hypoxic rats does not cause myogenic vasoconstriction. Journal of Applied Physiology, 2005, 98, 1119-1124.	1.2	28
6	Reduced store-operated Ca²⁺entry in pulmonary endothelial cells from chronically hypoxic rats. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L1135-L1142.	1.3	26
7	48-h Hypoxic exposure results in endothelium-dependent systemic vascular smooth muscle cell hyperpolarization. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2002, 283, R79-R85.	0.9	21
8	Reduced membrane cholesterol after chronic hypoxia limits Orai1-mediated pulmonary endothelial Ca²⁺entry. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H359-H369.	1.5	18
9	Endothelial-dependent dilation following chronic hypoxia involves TRPV4-mediated activation of endothelial BK channels. Pflugers Archiv European Journal of Physiology, 2018, 470, 633-648.	1.3	17
10	Altered membrane lipid domains limit pulmonary endothelial calcium entry following chronic hypoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H1331-H1340.	1.5	15
11	Intermittent hypoxia in rats reduces activation of Ca²⁺ sparks in mesenteric arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1915-H1922.	1.5	15
12	Reduced membrane cholesterol limits pulmonary endothelial Ca²⁺entry after chronic hypoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H1176-H1184.	1.5	14
13	Role of Vascular Heme Oxygenase in Reduced Myogenic Reactivity Following Chronic Hypoxia. Microcirculation, 2006, 13, 81-88.	1.0	12
14	Gender Differences in Mesenteric Vasoconstrictor Reactivity following Chronic Hypoxia. Microcirculation, 2008, 15, 473-484.	1.0	11
15	Hydrogen sulfide regulation of renal and mesenteric blood flow. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1157-H1165.	1.5	11
16	Acidâ€sensing ion channel 1 contributes to pulmonary arterial smooth muscle cell depolarization following hypoxic pulmonary hypertension. Journal of Physiology, 2021, 599, 4749-4762.	1.3	10
17	Altered Lipid Domains Facilitate Enhanced Pulmonary Vasoconstriction after Chronic Hypoxia. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 709-718.	1.4	6
18	Simulated sleep apnea alters hydrogen sulfide regulation of blood flow and pressure. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H511-H519.	1.5	5

#	Article	IF	Citations
19	Hydrogen Sulfide Actions in the Vasculature. , 2021, 11, 1-22.		5
20	Endothelial cell membrane cholesterol content regulates the contribution of <scp>TRPV4</scp> channels in <scp>ACh</scp>â€induced vasodilation in rat gracilis arteries. Microcirculation, 2022, 29, .	1.0	3
21	Cholesterol Regulation of Pulmonary Endothelial Calcium Homeostasis. Current Topics in Membranes, 2018, 82, 53-91.	0.5	2
22	Short-term high fat diet alters genes associated with metabolic and vascular dysfunction during adolescence in rats: a pilot study. PeerJ, 2021, 9, e11714.	0.9	1
23	Decreased membrane cholesterol facilitates depolarizationinduced Ca 2+ â€sensitization in pulmonary vascular smooth muscle following chronic hypoxia. FASEB Journal, 2012, 26, 873.14.	0.2	0
24	Membrane cholesterol facilitates agonistâ€induced calcium entry in pulmonary arterial endothelium. FASEB Journal, 2013, 27, 724.7.	0.2	0
25	Cholesterol Inhibits H 2 Sâ€Mediated Vasodilation. FASEB Journal, 2019, 33, 527.17.	0.2	0