Stephanie M Mutchler

List of Publications by Year
in descending order

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24 papers	680 citations	623188 14 h-index	752256 20 g-index
24 all docs	24 docs citations	24 times ranked	1038 citing authors

#	Article	IF	Citations
1	A molecular signature in the pannexin1 intracellular loop confers channel activation by the Î±1 adrenoreceptor in smooth muscle cells. Science Signaling, 2015, 8, ra17.	1.6	109
2	Regulation of Cellular Communication by Signaling Microdomains in the Blood Vessel Wall. Pharmacological Reviews, 2014, 66, 513-569.	7.1	95
3	Hemoglobin Î±/eNOS Coupling at Myoendothelial Junctions Is Required for Nitric Oxide Scavenging During Vasoconstriction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2594-2600.	1.1	72
4	Epithelial Sodium Channel and Salt-Sensitive Hypertension. Hypertension, 2021, 77, 759-767.	1.3	62
5	TSP1â€“CD47 signaling is upregulated in clinical pulmonary hypertension and contributes to pulmonary arterial vasculopathy and dysfunction. Cardiovascular Research, 2017, 113, 15-29.	1.8	58
6	Loss of Collectrin, an Angiotensin-Converting Enzyme 2 Homolog, Uncouples Endothelial Nitric Oxide Synthase and Causes Hypertension and Vascular Dysfunction. Circulation, 2013, 128, 1770-1780.	1.6	36
7	Compartmentalized nitric oxide signaling in the resistance vasculature. Nitric Oxide - Biology and Chemistry, 2015, 49, 8-15.	1.2	35
8	New insights regarding epithelial Na+ channel regulation and its role in the kidney, immune system and vasculature. Current Opinion in Nephrology and Hypertension, 2019, 28, 113-119.	1.0	30
9	Structure Guided Chemical Modifications of Propylthiouracil Reveal Novel Small Molecule Inhibitors of Cytochrome b5 Reductase 3 That Increase Nitric Oxide Bioavailability. Journal of Biological Chemistry, 2015, 290, 16861-16872.	1.6	29
10	Binding of EBP50 to Nox organizing subunit p47phox is pivotal to cellular reactive species generation and altered vascular phenotype. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5308-E5317.	3.3	29
11	Intercalated cell BKÎ± subunit is required for flow-induced K+ secretion. JCI Insight, 2020, 5, .	2.3	28
12	Effects of extreme potassium stress on blood pressure and renal tubular sodium transport. American Journal of Physiology - Renal Physiology, 2020, 318, F1341-F1356.	1.3	25
13	Alpha1-adrenergic-mediated eNOS phosphorylation in intact arteries. Vascular Pharmacology, 2013, 58, 112-117.	1.0	20
14	Regulation of endothelial hemoglobin alpha expression by Kruppel-like factors. Vascular Medicine, 2017, 22, 363-369.	0.8	17
15	The molecular chaperone GRP170 protects against ER stress and acute kidney injury in mice. JCI Insight, 2022, 7, .	2.3	11
16	KIM-1-mediated anti-inflammatory activity is preserved by MUC1 induction in the proximal tubule during ischemia-reperfusion injury. American Journal of Physiology - Renal Physiology, 2021, 321, F135-F148.	1.3	8
17	Increased myoendothelial feedback is associated with increased connexin37 and <scp>IK</scp>1 channel expression in mesenteric arteries of dietâ€induced hyperhomocysteinemic mice. Microcirculation, 2017, 24, e12398.	1.0	6
18	Pore-lining residues of MEC-4 and MEC-10 channel subunits tune the Caenorhabditis elegans degenerin channel's response to shear stress. Journal of Biological Chemistry, 2018, 293, 10757-10766.	1.6	5

#	Article	IF	Citations
19	Deletion of the Gamma Subunit of ENaC in Endothelial Cells Does Not Protect against Renal Ischemia Reperfusion Injury. International Journal of Molecular Sciences, 2021, 22, 10914.	1.8	4
20	Effects of amiloride on acetylcholineâ€dependent arterial vasodilation evolve over time in mice on a high salt diet. Physiological Reports, 2022, 10, e15255.	0.7	1
21	Loss of CD47 Attenuates Angiotensin II Mediated Hypertension. FASEB Journal, 2015, 29, 1041.7.	0.2	0
22	Epithelial Sodium Channel (ENaC) in Endothelium Modulates Vascular Reactivity with a High Salt Diet. FASEB Journal, 2019, 33, 827.6.	0.2	0
23	Regulation of ENaC Expression by Paraoxonase 3. FASEB Journal, 2019, 33, 862.9.	0.2	0
24	Phenotyping a Mouse with Vascular Smooth Muscle Specific Deletion of the Gamma Subunit of the Epithelial Sodium Channel (Î³ENaC). FASEB Journal, 2019, 33, 748.7.	0.2	0