

# Erika M Boerman

## 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.

21 papers	477 citations	10 h-index	21 g-index
22 ext. papers	600 ext. citations	3.8 avg, IF	4.14 L-index

#	Paper	IF	Citations
21	Smooth Muscle Ion Channels and Regulation of Vascular Tone in Resistance Arteries and Arterioles. <i>Comprehensive Physiology</i> , <b>2017</b> , 7, 485-581	7.7	138
20	Aging impairs electrical conduction along endothelium of resistance arteries through enhanced Ca <sup>2+</sup> -activated K <sup>+</sup> channel activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 1892-901	9.4	58
19	Perivascular innervation: a multiplicity of roles in vasomotor control and myoendothelial signaling. <i>Microcirculation</i> , <b>2013</b> , 20, 217-38	2.9	58
18	Smooth muscle alpha1D-adrenoceptors mediate phenylephrine-induced vasoconstriction and increases in endothelial cell Ca <sup>2+</sup> in hamster cremaster arterioles. <i>British Journal of Pharmacology</i> , <b>2008</b> , 155, 514-24	8.6	52
17	Function and expression of ryanodine receptors and inositol 1,4,5-trisphosphate receptors in smooth muscle cells of murine feed arteries and arterioles. <i>Journal of Physiology</i> , <b>2012</b> , 590, 1849-69	3.9	46
16	Advanced age protects microvascular endothelium from aberrant Ca(2+) influx and cell death induced by hydrogen peroxide. <i>Journal of Physiology</i> , <b>2015</b> , 593, 2155-69	3.9	26
15	Advanced age decreases local calcium signaling in endothelium of mouse mesenteric arteries in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 310, H1091-6	5.2	26
14	Ageing alters perivascular nerve function of mouse mesenteric arteries in vivo. <i>Journal of Physiology</i> , <b>2013</b> , 591, 1251-63	3.9	19
13	Depressed perivascular sensory innervation of mouse mesenteric arteries with advanced age. <i>Journal of Physiology</i> , <b>2016</b> , 594, 2323-38	3.9	18
12	Aging increases capacitance and spontaneous transient outward current amplitude of smooth muscle cells from murine superior epigastric arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 306, H1512-24	5.2	13
11	Regional heterogeneity in the mechanisms of myogenic tone in hamster arterioles. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2017</b> , 313, H667-H675	5.2	8
10	Voltage-gated Ca channel activity modulates smooth muscle cell calcium waves in hamster cremaster arterioles. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 315, H871-H878	5.2	6
9	Gene expression profiles of ion channels and receptors in mouse resistance arteries: Effects of cell type, vascular bed, and age. <i>Microcirculation</i> , <b>2018</b> , 25, e12452	2.9	4
8	Differential hyperpolarization to substance P and calcitonin gene-related peptide in smooth muscle versus endothelium of mouse mesenteric artery. <i>Microcirculation</i> , <b>2021</b> , 28, e12733	2.9	2
7	Role of perivascular nerve and sensory neurotransmitter dysfunction in inflammatory bowel disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2021</b> , 320, H1887-H1902	5.2	2
6	Aging alters spontaneous and neurotransmitter-mediated Ca signaling in smooth muscle cells of mouse mesenteric arteries. <i>Microcirculation</i> , <b>2020</b> , 27, e12607	2.9	1
5	Neuropeptide Y and Pial Artery Vasomotor Control: An Ordered Affair. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	

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| 4 | Smooth muscle $\alpha$ D-adrenoreceptors mediate phenylephrine-induced endothelial $\text{Ca}^{2+}$ transients in hamster cremaster arterioles. <i>FASEB Journal</i> , <b>2008</b> , 22, 1149.4                              | 0.9 |
| 3 | Macrophage Depletion Reverses Impaired Sympathetic Vasoconstriction and Sensory Vasodilation of Mesenteric Arteries from IL-10 $^{-/-}$ Mice with Inflammatory Bowel Disease. <i>FASEB Journal</i> , <b>2019</b> , 33, 523.8 | 0.9 |
| 2 | IP3 receptors, but not ryanodine receptors mediate subsarcolemmal $\text{Ca}^{2+}$ oscillations in arteriolar smooth muscle cells. <i>FASEB Journal</i> , <b>2009</b> , 23, 767.3  | 0.9 |
| 1 | Differences in expression and function of ryanodine receptors between arteries and arterioles in the mouse. <i>FASEB Journal</i> , <b>2010</b> , 24, 777.5   | 0.9 |