

# Judith Brands

## List of Publications by Year in Descending Order

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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.

19  
papers

728  
citations

10  
h-index

24  
g-index

24  
ext. papers

871  
ext. citations

5.1  
avg, IF

3.52  
L-index

#	Paper	IF	Citations
19	Maternal Vascular Lesions in the Placenta Predict Vascular Impairments a Decade After Delivery. <i>Hypertension</i> , <b>2021</b> , HYPERTENSIONAHA12118394	8.5	1
18	l-Citrulline supplementation during pregnancy improves perinatal and postpartum maternal vascular function in a mouse model of preeclampsia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2021</b> , 321, R364-R376	3.2	1
17	Paternal deficiency of complement component C1q leads to a preeclampsia-like pregnancy in wild-type female mice and vascular adaptations postpartum. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2020</b> , 318, R1047-R1057	3.2	8
16	Noninvasive sublingual microvascular imaging reveals sex-specific reduction in glycocalyx barrier properties in patients with coronary artery disease. <i>Physiological Reports</i> , <b>2020</b> , 8, e14351	2.6	9
15	ATF3 represses PINK1 gene transcription in lung epithelial cells to control mitochondrial homeostasis. <i>Aging Cell</i> , <b>2018</b> , 17, e12720	9.9	55
14	Treatment of microvascular micro-embolization using microbubbles and long-tone-burst ultrasound: an in vivo study. <i>Ultrasound in Medicine and Biology</i> , <b>2015</b> , 41, 456-64	3.5	24
13	PINK1 deficiency impairs mitochondrial homeostasis and promotes lung fibrosis. <i>Journal of Clinical Investigation</i> , <b>2015</b> , 125, 521-38	15.9	303
12	Effect of acute hyaluronidase treatment of the glycocalyx on tracer-based whole body vascular volume estimates in mice. <i>Journal of Applied Physiology</i> , <b>2013</b> , 114, 1132-40	3.7	14
11	Whole-body recruitment of glycocalyx volume during intravenous adenosine infusion. <i>Physiological Reports</i> , <b>2013</b> , 1, e00102	2.6	6
10	New insights into the microvascular mechanisms of drag reducing polymers: effect on the cell-free layer. <i>PLoS ONE</i> , <b>2013</b> , 8, e77252	3.7	15
9	Modulation of pre-capillary arteriolar pressure with drag-reducing polymers: a novel method for enhancing microvascular perfusion. <i>Microcirculation</i> , <b>2012</b> , 19, 580-5	2.9	9
8	Comparison of four mathematical models to analyze indicator-dilution curves in the coronary circulation. <i>Medical and Biological Engineering and Computing</i> , <b>2011</b> , 49, 1471-9	3.1	8
7	Agonist-induced impairment of glycocalyx exclusion properties: contribution to coronary effects of adenosine. <i>Cardiovascular Research</i> , <b>2010</b> , 87, 311-9	9.9	33
6	Acute attenuation of glycocalyx barrier properties increases coronary blood volume independently of coronary flow reserve. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2010</b> , 298, H515-23	5.2	14
5	Bradykinin- and sodium nitroprusside-induced increases in capillary tube haematocrit in mouse cremaster muscle are associated with impaired glycocalyx barrier properties. <i>Journal of Physiology</i> , <b>2008</b> , 586, 3207-18	3.9	22
4	Endothelial glycocalyx: sweet shield of blood vessels. <i>Trends in Cardiovascular Medicine</i> , <b>2007</b> , 17, 101-5	6.9	138
3	Heparin impairs glycocalyx barrier properties and attenuates shear dependent vasodilation in mice. <i>Hypertension</i> , <b>2007</b> , 50, 261-7	8.5	60

- 2 Role for glycocalyx perturbation in atherosclerosis development and associated microvascular dysfunction. *Future Lipidology*, **2007**, 2, 527-534 6
- 1 Effects of adenosine on systemic glycocalyx volume in goats. *FASEB Journal*, **2006**, 20, A281 0.9