Limary M Cancel

List of Publications by Year
in descending order

23 papers	903 citations	623574 14 h-index	713332 21 g-index
24 all docs	24 docs citations	24 times ranked	1420 citing authors

#	Article	IF	Citations
1	Glycocalyx mechanotransduction mechanisms are involved in renal cancer metastasis. Matrix Biology Plus, 2022, 13, 100100.	1.9	5
2	The glycocalyx core protein Glypican 1 protects vessel wall endothelial cells from stiffness-mediated dysfunction and disease. Cardiovascular Research, 2021, 117, 1592-1605.	1.8	36
3	The Glycocalyx and Its Role in Vascular Physiology and Vascular Related Diseases. Cardiovascular Engineering and Technology, 2021, 12, 37-71.	0.7	67
4	Heparan sulfate proteoglycan glypican-1 and PECAM-1 cooperate in shear-induced endothelial nitric oxide production. Scientific Reports, 2021, 11, 11386.	1.6	25
5	Matrix Stiffness Affects Glycocalyx Expression in Cultured Endothelial Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 731666.	1.8	12
6	The cancer cell glycocalyx proteoglycan Glypican-1 mediates interstitial flow mechanotransduction to enhance cell migration and metastasis. Biorheology, 2019, 56, 151-161.	1.2	15
7	Heparan sulfate proteoglycan, integrin, and syndecanâ€4 are mechanosensors mediating cyclic strainâ€modulated endothelial gene expression in mouse embryonic stem cellâ€derived endothelial cells. Biotechnology and Bioengineering, 2019, 116, 2730-2741.	1.7	13
8	Direct current stimulation of endothelial monolayers induces a transient and reversible increase in transport due to the electroosmotic effect. Scientific Reports, 2018, 8, 9265.	1.6	47
9	Surface glycocalyx and glypicanâ€1 mediate tumor cell metastasis. FASEB Journal, 2018, 32, 281.5.	0.2	0
10	Fluid shear stress induces upregulation of COX-2 and PGI₂release in endothelial cells via a pathway involving PECAM-1, PI3K, FAK, and p38. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H485-H500.	1.5	76
11	Endothelial glycocalyx, apoptosis and inflammation in an atherosclerotic mouse model. Atherosclerosis, 2016, 252, 136-146.	0.4	99
12	Heparan sulfate proteoglycans mediate renal carcinoma metastasis. International Journal of Cancer, 2016, 139, 2791-2801.	2.3	28
13	Hydraulic Conductivity of Smooth Muscle Cell-Initiated Arterial Cocultures. Annals of Biomedical Engineering, 2016, 44, 1721-1733.	1.3	2
14	Interaction between the Stress Phase Angle (SPA) and the Oscillatory Shear Index (OSI) Affects Endothelial Cell Gene Expression. PLoS ONE, 2016, 11, e0166569.	1.1	17
15	Aquaporin-1 facilitates pressure-driven water flow across the aortic endothelium. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H1051-H1064.	1.5	17
16	Endothelial Glycocalyx and Apoptosis in Atherosclerosis. FASEB Journal, 2015, 29, 631.3.	0.2	1
17	Effect of shear stress on water and LDL transport through cultured endothelial cell monolayers. Atherosclerosis, 2014, 233, 682-690.	0.4	30
18	High Glucose Attenuates Shear-Induced Changes in Endothelial Hydraulic Conductivity by Degrading the Glycocalyx. PLoS ONE, 2013, 8, e78954.	1.1	49

#	Article	IF	Citations
19	The role of mitosis in LDL transport through cultured endothelial cell monolayers. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H769-H776.	1.5	37
20	Permeability of Endothelial and Astrocyte Cocultures: In Vitro Bloodâ€“Brain Barrier Models for Drug Delivery Studies. Annals of Biomedical Engineering, 2010, 38, 2499-2511.	1.3	201
21	The role of apoptosis in LDL transport through cultured endothelial cell monolayers. Atherosclerosis, 2010, 208, 335-341.	0.4	44
22	Hydraulic conductivity and solute permeability of an in vitro bloodâ€brain barrier (BBB) model. FASEB Journal, 2009, 23, 1020.2.	0.2	0
23	In vitro study of LDL transport under pressurized (convective) conditions. American Journal of Physiology - Heart and Circulatory Physiology, 2007, 293, H126-H132.	1.5	82