

Limary M Cancel

List of Publications by Year in descending order

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23
papers

903
citations

623574

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#	ARTICLE	IF	CITATIONS
1	Permeability of Endothelial and Astrocyte Cocultures: In Vitro Bloodâ€ Brain Barrier Models for Drug Delivery Studies. <i>Annals of Biomedical Engineering</i> , 2010, 38, 2499-2511.	1.3	201
2	Endothelial glycocalyx, apoptosis and inflammation in an atherosclerotic mouse model. <i>Atherosclerosis</i> , 2016, 252, 136-146.	0.4	99
3	In vitro study of LDL transport under pressurized (convective) conditions. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H126-H132.	1.5	82
4	Fluid shear stress induces upregulation of COX-2 and PGI ₂ release in endothelial cells via a pathway involving PECAM-1, PI3K, FAK, and p38. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H485-H500.	1.5	76
5	The Glycocalyx and Its Role in Vascular Physiology and Vascular Related Diseases. <i>Cardiovascular Engineering and Technology</i> , 2021, 12, 37-71.	0.7	67
6	High Glucose Attenuates Shear-Induced Changes in Endothelial Hydraulic Conductivity by Degrading the Glycocalyx. <i>PLoS ONE</i> , 2013, 8, e78954.	1.1	49
7	Direct current stimulation of endothelial monolayers induces a transient and reversible increase in transport due to the electroosmotic effect. <i>Scientific Reports</i> , 2018, 8, 9265.	1.6	47
8	The role of apoptosis in LDL transport through cultured endothelial cell monolayers. <i>Atherosclerosis</i> , 2010, 208, 335-341.	0.4	44
9	The role of mitosis in LDL transport through cultured endothelial cell monolayers. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 300, H769-H776.	1.5	37
10	The glycocalyx core protein Glypican 1 protects vessel wall endothelial cells from stiffness-mediated dysfunction and disease. <i>Cardiovascular Research</i> , 2021, 117, 1592-1605.	1.8	36
11	Effect of shear stress on water and LDL transport through cultured endothelial cell monolayers. <i>Atherosclerosis</i> , 2014, 233, 682-690.	0.4	30
12	Heparan sulfate proteoglycans mediate renal carcinoma metastasis. <i>International Journal of Cancer</i> , 2016, 139, 2791-2801.	2.3	28
13	Heparan sulfate proteoglycan glypican-1 and PECAM-1 cooperate in shear-induced endothelial nitric oxide production. <i>Scientific Reports</i> , 2021, 11, 11386.	1.6	25
14	Aquaporin-1 facilitates pressure-driven water flow across the aortic endothelium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H1051-H1064.	1.5	17
15	Interaction between the Stress Phase Angle (SPA) and the Oscillatory Shear Index (OSI) Affects Endothelial Cell Gene Expression. <i>PLoS ONE</i> , 2016, 11, e0166569.	1.1	17
16	The cancer cell glycocalyx proteoglycan Glypican-1 mediates interstitial flow mechanotransduction to enhance cell migration and metastasis. <i>Biorheology</i> , 2019, 56, 151-161.	1.2	15
17	Heparan sulfate proteoglycan, integrin, and syndecanâ€ are mechanosensors mediating cyclic strainâ€modulated endothelial gene expression in mouse embryonic stem cellâ€derived endothelial cells. <i>Biotechnology and Bioengineering</i> , 2019, 116, 2730-2741.	1.7	13
18	Matrix Stiffness Affects Glycocalyx Expression in Cultured Endothelial Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 731666.	1.8	12

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19	Glycocalyx mechanotransduction mechanisms are involved in renal cancer metastasis. Matrix Biology Plus, 2022, 13, 100100.	1.9	5
20	Hydraulic Conductivity of Smooth Muscle Cell-Initiated Arterial Cocultures. Annals of Biomedical Engineering, 2016, 44, 1721-1733.	1.3	2
21	Endothelial Glycocalyx and Apoptosis in Atherosclerosis. FASEB Journal, 2015, 29, 631.3.	0.2	1
22	Hydraulic conductivity and solute permeability of an in vitro blood-brain barrier (BBB) model. FASEB Journal, 2009, 23, 1020.2.	0.2	0
23	Surface glycocalyx and glypican-1 mediate tumor cell metastasis. FASEB Journal, 2018, 32, 281.5.	0.2	0