

CITATION REPORT

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Vascular endothelial growth factor enhances cancer cell adhesion to microvascular endothelium in vivo

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#	Paper	IF	Citations
29	Important role of integrins in the cancer biology. <i>Cancer and Metastasis Reviews</i> , 2010 , 29, 223-37	9.6	184
28	Regulation of adhesion by vascular endothelial growth factor in HaCaT cells. <i>Molecular and Cellular Biochemistry</i> , 2011 , 346, 173-8	4.2	6
27	Integrin β signaling promotes mammary tumor cell adhesion to brain microvascular endothelium by inducing ErbB2-mediated secretion of VEGF. <i>Annals of Biomedical Engineering</i> , 2011 , 39, 2223-2241	4.7	48
26	UNDERSTANDING ELECTRIC INTERACTIONS IN SUSPENSIONS IN GRADIENT AC ELECTRIC FIELDS II: SIMULATIONS AND APPLICATION EXPLORATION. <i>International Journal of Modern Physics B</i> , 2011 , 25, 927-933	1.1	2
25	Alterations in Cell-Extracellular Matrix Interactions during Progression of Cancers. <i>International Journal of Cell Biology</i> , 2012 , 2012, 219196	2.6	53
24	Microvascular transport and tumor cell adhesion in the microcirculation. <i>Annals of Biomedical Engineering</i> , 2012 , 40, 2442-55	4.7	3
23	Quantification of the endothelial surface glycocalyx on rat and mouse blood vessels. <i>Microvascular Research</i> , 2012 , 83, 337-46	3.7	61
22	Adhesion of malignant mammary tumor cells MDA-MB-231 to microvessel wall increases microvascular permeability via degradation of endothelial surface glycocalyx. <i>Journal of Applied Physiology</i> , 2012 , 113, 1141-53	3.7	34
21	Effects of wall shear stress and its gradient on tumor cell adhesion in curved microvessels. <i>Biomechanics and Modeling in Mechanobiology</i> , 2012 , 11, 641-53	3.8	31
20	Transport of Water and Solutes Across Endothelial Barriers and Tumor Cell Adhesion in the Microcirculation. 2013 , 119-180		
19	A review of vascular disrupting agents as a concomitant anti-tumour modality with radiation. <i>Journal of Radiotherapy in Practice</i> , 2013 , 12, 255-262	0.4	4
18	Differential arrest and adhesion of tumor cells and microbeads in the microvasculature. <i>Biomechanics and Modeling in Mechanobiology</i> , 2014 , 13, 537-50	3.8	23
17	Secreted meningeal chemokines, but not VEGFA, modulate the migratory properties of medulloblastoma cells. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 450, 555-60	3.4	4
16	Reinforcing endothelial junctions prevents microvessel permeability increase and tumor cell adhesion in microvessels in vivo. <i>Scientific Reports</i> , 2015 , 5, 15697	4.9	12
15	Endothelial surface glycocalyx can regulate flow-induced nitric oxide production in microvessels in vivo. <i>PLoS ONE</i> , 2015 , 10, e0117133	3.7	76
14	Cell adhesion during bullet motion in capillaries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H395-403	5.2	25
13	Sphingosine-1-phosphate Maintains Normal Vascular Permeability by Preserving Endothelial Surface Glycocalyx in Intact Microvessels. <i>Microcirculation</i> , 2016 , 23, 301-10	2.9	40

12	Inhibition of endothelial nitric oxide synthase decreases breast cancer cell MDA-MB-231 adhesion to intact microvessels under physiological flows. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H1735-47	5.2	26
11	Quantification of Malignant Breast Cancer Cell MDA-MB-231 Transmigration Across Brain and Lung Microvascular Endothelium. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 2189-201	4.7	30
10	The opposing roles of laminin-binding integrins in cancer. <i>Matrix Biology</i> , 2017 , 57-58, 213-243	11.4	81
9	Tumor Metastasis in the Microcirculation. <i>Advances in Experimental Medicine and Biology</i> , 2018 , 1097, 201-218	3.6	8
8	Metastatic niche functions and therapeutic opportunities. <i>Nature Cell Biology</i> , 2018 , 20, 868-877	23.4	84
7	Anti-angiogenesis triggers exosomes release from endothelial cells to promote tumor vasculogenesis. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1629865	16.4	56
6	Tuning Cancer Fate: Tumor Microenvironment's Role in Cancer Stem Cell Quiescence and Reawakening. <i>Frontiers in Immunology</i> , 2020 , 11, 2166	8.4	19
5	The Glycocalyx and Its Role in Vascular Physiology and Vascular Related Diseases. <i>Cardiovascular Engineering and Technology</i> , 2021 , 12, 37-71	2.2	29
4	Microvascular Permeability and Tumor Metastasis. 2013 , 49-68		
3	Selective protein photocleavage by fluorescein derivatives. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020 , 212, 112027	6.7	3
2	Differential effects of vascular endothelial growth factor on glycocalyx of endothelial and tumor cells and potential targets for tumor metastasis.. <i>APL Bioengineering</i> , 2022 , 6, 016101	6.6	2
1	Glycocalyx Acts as a Central Player in the Development of Tumor Microenvironment by Extracellular Vesicles for Angiogenesis and Metastasis. 2022 , 14, 5415		1