Victor Rizzo

List of Publications by Year
in descending order

48 papers	2,786 citations	201674 27 h-index	315739 38 g-index
49 all docs	49 docs citations	49 times ranked	4229 citing authors

#	Article	IF	Citations
1	Angiotensin II Signal Transduction: An Update on Mechanisms of Physiology and Pathophysiology. Physiological Reviews, 2018, 98, 1627-1738.	28.8	673
2	In Situ Flow Activates Endothelial Nitric Oxide Synthase in Luminal Caveolae of Endothelium with Rapid Caveolin Dissociation and Calmodulin Association. Journal of Biological Chemistry, 1998, 273, 34724-34729.	3.4	268
3	Rapid Mechanotransduction in Situ at the Luminal Cell Surface of Vascular Endothelium and Its Caveolae. Journal of Biological Chemistry, 1998, 273, 26323-26329.	3.4	159
4	AT1 receptor signaling pathways in the cardiovascular system. Pharmacological Research, 2017, 125, 4-13.	7.1	157
5	Understanding Angiotensin II Type 1 Receptor Signaling in Vascular Pathophysiology. Hypertension, 2018, 71, 804-810.	2.7	136
6	Lipid rafts mediate H 2 O 2 prosurvival effects in cultured endothelial cells. FASEB Journal, 2006, 20, 1501-1503.	0.5	112
7	A Caveolae-Targeted L-Type Ca ²⁺ Channel Antagonist Inhibits Hypertrophic Signaling Without Reducing Cardiac Contractility. Circulation Research, 2012, 110, 669-674.	4.5	112
8	MicroRNA-155 Deficiency Leads to Decreased Atherosclerosis, Increased White Adipose Tissue Obesity, and Non-alcoholic Fatty Liver Disease. Journal of Biological Chemistry, 2017, 292, 1267-1287.	3.4	107
9	A physiologically realistic in vitro model of microvascular networks. Biomedical Microdevices, 2009, 11, 1051-1057.	2.8	80
10	Vascular ADAM17 as a Novel Therapeutic Target in Mediating Cardiovascular Hypertrophy and Perivascular Fibrosis Induced by Angiotensin II. Hypertension, 2016, 68, 949-955.	2.7	69
11	Participation of caveolae in Î²1 integrin-mediated mechanotransduction. Biochemical and Biophysical Research Communications, 2007, 358, 626-631.	2.1	65
12	Targeting mitochondrial fission as a potential therapeutic for abdominal aortic aneurysm. Cardiovascular Research, 2021, 117, 971-982.	3.8	59
13	Mitochondrial Fission Mediates Endothelial Inflammation. Hypertension, 2020, 76, 267-276.	2.7	59
14	Intracoronary Cytoprotective Gene Therapy. Journal of the American College of Cardiology, 2015, 66, 139-153.	2.8	58
15	p190 RhoGTPase-Activating Protein Links the Î²1 Integrin/Caveolin-1 Mechanosignaling Complex to RhoA and Actin Remodeling. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 376-383.	2.4	57
16	Caveolin-1 Deletion Prevents Hypertensive Vascular Remodeling Induced by Angiotensin II. Hypertension, 2017, 69, 79-86.	2.7	45
17	Endothelial cellâ€derived extracellular vesicles alter vascular smooth muscle cell phenotype through highâ€mobility group box proteins. Journal of Extracellular Vesicles, 2020, 9, 1781427.	12.2	45
18	Interaction of the Joining Region in Junctophilin-2 With the L-Type Ca ²⁺ Channel Is Pivotal for Cardiac Dyad Assembly and Intracellular Ca ²⁺ Dynamics. Circulation Research, 2021, 128, 92-114.	4.5	45

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19	Caveolin-1 negatively regulates a metalloprotease-dependent epidermal growth factor receptor transactivation by angiotensin II. Journal of Molecular and Cellular Cardiology, 2011, 50, 545-551.	1.9	43
20	Shear Stress Activates eNOS at the Endothelial Apical Surface Through Î²1 Containing Integrins and Caveolae. Cellular and Molecular Bioengineering, 2013, 6, 346-354.	2.1	42
21	Vascular ADAM17 (a Disintegrin and Metalloproteinase Domain 17) Is Required for Angiotensin II/Î²-Aminopropionitrileâ€“Induced Abdominal Aortic Aneurysm. Hypertension, 2017, 70, 959-963.	2.7	42
22	Interleukin-19 (IL-19) Induces Heme Oxygenase-1 (HO-1) Expression and Decreases Reactive Oxygen Species in Human Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2012, 287, 2477-2484.	3.4	40
23	Epidermal growth factor receptor inhibitor protects against abdominal aortic aneurysm in a mouse model. Clinical Science, 2015, 128, 559-565.	4.3	38
24	Macromolecular selectivity of chick chorioallantoic membrane microvessels during normal angiogenesis and endothelial differentiation. Tissue and Cell, 1993, 25, 847-856.	2.2	34
25	Racial differences in the responses to shear stress in human umbilical vein endothelial cells. Vascular Health and Risk Management, 2011, 7, 425.	2.3	34
26	Ontogeny of Microvascular Permeability to Macromolecules in the Chick Chorioallantoic Membrane during Normal Angiogenesis. Microvascular Research, 1995, 49, 49-63.	2.5	31
27	Mast Cell Activation Accelerates the Normal Rate of Angiogenesis in the Chick Chorioallantoic Membrane. Microvascular Research, 1996, 52, 245-257.	2.5	28
28	Microparticle-Induced Activation of the Vascular Endothelium Requires Caveolin-1/Caveolae. PLoS ONE, 2016, 11, e0149272.	2.5	26
29	The Microvascular Unit of the 6-Day Chick Chorioallantoic Membrane: A Fluorescent Confocal Microscopic and Ultrastructural Morphometric Analysis of Endothelial Permselectivity. Microvascular Research, 1993, 46, 320-332.	2.5	21
30	Kininostatin Associates With Membrane Rafts and Inhibits Î±vÎ²3 Integrin Activation in Human Umbilical Vein Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1968-1975.	2.4	21
31	Differentiation of the microvascular endothelium during early angiogenesis and respiratory onset in the chick chorioallantoic membrane. Tissue and Cell, 1995, 27, 159-166.	2.2	18
32	Volume overload induces differential spatiotemporal regulation of myocardial soluble guanylyl cyclase in eccentric hypertrophy and heart failure. Journal of Molecular and Cellular Cardiology, 2013, 60, 72-83.	1.9	16
33	Angiotensin II- and Alzheimer-Type Cardiovascular Aging. Circulation Research, 2018, 123, 651-653.	4.5	16
34	Flow-induced endothelial mitochondrial remodeling mitigates mitochondrial reactive oxygen species production and promotes mitochondrial DNA integrity in a p53-dependent manner. Redox Biology, 2022, 50, 102252.	9.0	11
35	Capillary Sprouts Restrict Macromolecular Extravasation during Normal Angiogenesis in the Chick Chorioallantoic Membrane. Microvascular Research, 1996, 52, 47-57.	2.5	9
36	Transduction Efficiency of Adenovirus Vectors in Endothelial Cells and Vascular Smooth Muscle Cells. Journal of Cardiovascular Pharmacology, 2020, 75, 603-607.	1.9	5

#	Article	IF	Citations
37	Lights, camera, actin! The cytoskeleton takes center stage in mechanotransduction. Focus on â€œMapping the dynamics of shear stress-induced structural changes in endothelial cells.â€ American Journal of Physiology - Cell Physiology, 2007, 293, C1771-C1772.	4.6	3
38	Degranulation of Mast Cells in the Chick Chorioallantoic Membrane Does Not Increase Macromolecular Extravasation During Normal Angiogenesis. Microcirculation, 1996, 3, 387-393.	1.8	2
39	Metoprolol Enhances Caveolae-Localized NO-cGMP Signaling in Volume-Overloaded Hearts. Journal of Cardiac Failure, 2012, 18, S1-S2.	1.7	0
40	HIF1Î± in aortic aneurysms and beyond. Clinical Science, 2017, 131, 621-623.	4.3	0
41	TNFÎ± potentiates proteinâ€tyrosine nitration through activation of eNOS and NADPH oxidase localized in caveolae of bovine aortic endothelial cells. FASEB Journal, 2006, 20, A726.	0.5	0
42	Lipid rafts mediate H2O2 prosurvival effects in cultured endothelial cells. FASEB Journal, 2006, 20, A1160.	0.5	0
43	Participation of caveolae in betaâ€1 integrinâ€mediated mechanotransduction. FASEB Journal, 2007, 21, A752.	0.5	0
44	Caveolinâ€1 negatively regulates a metalloproteaseâ€dependent EGF receptor transactivation by angiotensin II. FASEB Journal, 2010, 24, 599.3.	0.5	0
45	Fluid Shear Stress induces the Clustering of Heparan Sulfate via Mobility of Glypicanâ€1 in Lipid Rafts. FASEB Journal, 2013, 27, 469.1.	0.5	0
46	Caveolae regulate nitroxidative signaling via localized nitration of Srcâ€family kinase in endothelial cells. FASEB Journal, 2013, 27, 1143.6.	0.5	0
47	Role of Caveolae in the development of abdominal aortic aneurysms. FASEB Journal, 2013, 27, 379.6.	0.5	0
48	Endothelial cell specific knockout of caveolinâ€1 attenuates AngII/BAPNâ€induced vascular remodeling in mice. FASEB Journal, 2022, 36, .	0.5	0