

# Alain Rivard

## List of Publications by Citations

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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.

28  
papers

2,048  
citations

18  
h-index

28  
g-index

28  
ext. papers

2,194  
ext. citations

5.9  
avg, IF

3.96  
L-index

#	Paper	IF	Citations
28	Age-dependent impairment of angiogenesis. <i>Circulation</i> , <b>1999</b> , 99, 111-20	16.7	628
27	Vascular endothelial growth factor/vascular permeability factor produces nitric oxide-dependent hypotension. Evidence for a maintenance role in quiescent adult endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1997</b> , 17, 2793-800	9.4	228
26	Circulating endothelial progenitor cells from healthy smokers exhibit impaired functional activities. <i>Atherosclerosis</i> , <b>2006</b> , 187, 423-32	3.1	187
25	Tissue inhibition of angiotensin-converting enzyme activity stimulates angiogenesis in vivo. <i>Circulation</i> , <b>1999</b> , 99, 3043-9	16.7	155
24	Hypercholesterolemia attenuates angiogenesis but does not preclude augmentation by angiogenic cytokines. <i>Circulation</i> , <b>1997</b> , 96, 2667-74	16.7	126
23	Inhibition of hypoxia-induced angiogenesis by cigarette smoke exposure: impairment of the HIF-1alpha/VEGF pathway. <i>FASEB Journal</i> , <b>2003</b> , 17, 1150-2	0.9	107
22	Cigarette smoke exposure impairs VEGF-induced endothelial cell migration: role of NO and reactive oxygen species. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2006</b> , 41, 275-84	5.8	93
21	Moderate consumption of red wine (cabernet sauvignon) improves ischemia-induced neovascularization in ApoE-deficient mice: effect on endothelial progenitor cells and nitric oxide. <i>FASEB Journal</i> , <b>2007</b> , 21, 3845-52	0.9	71
20	Age-dependent impairment of reendothelialization after arterial injury: role of vascular endothelial growth factor. <i>Circulation</i> , <b>2003</b> , 107, 230-3	16.7	68
19	Nox2-containing NADPH oxidase deficiency confers protection from hindlimb ischemia in conditions of increased oxidative stress. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2009</b> , 29, 1522-8	9.4	55
18	Nox2-derived reactive oxygen species contribute to hypercholesterolemia-induced inhibition of neovascularization: effects on endothelial progenitor cells and mature endothelial cells. <i>Atherosclerosis</i> , <b>2011</b> , 217, 340-9	3.1	46
17	MicroRNA-150 Modulates Ischemia-Induced Neovascularization in Atherosclerotic Conditions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 900-908	9.4	39
16	Sildenafil increases endothelial progenitor cell function and improves ischemia-induced neovascularization in hypercholesterolemic apolipoprotein E-deficient mice. <i>Hypertension</i> , <b>2009</b> , 54, 1043-9	8.5	39
15	Essential role of copper-zinc superoxide dismutase for ischemia-induced neovascularization via modulation of bone marrow-derived endothelial progenitor cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2010</b> , 30, 2173-81	9.4	36
14	Fish oil-enriched diet protects against ischemia by improving angiogenesis, endothelial progenitor cell function and postnatal neovascularization. <i>Atherosclerosis</i> , <b>2013</b> , 229, 295-303	3.1	30
13	Probucol and antioxidant vitamins rescue ischemia-induced neovascularization in mice exposed to cigarette smoke: potential role of endothelial progenitor cells. <i>Atherosclerosis</i> , <b>2010</b> , 208, 342-9	3.1	23
12	Accelerated vascular aging in CuZnSOD-deficient mice: impact on EPC function and reparative neovascularization. <i>PLoS ONE</i> , <b>2011</b> , 6, e23308	3.7	21

11	Reduced expression of let-7f activates TGF- $\beta$ /ALK5 pathway and leads to impaired ischaemia-induced neovascularization after cigarette smoke exposure. <i>Journal of Cellular and Molecular Medicine</i> , <b>2017</b> , 21, 2211-2222	5.6	20
10	Endothelial Colony-Forming Cells in Young Adults Born Preterm: A Novel Link Between Neonatal Complications and Adult Risks for Cardiovascular Disease. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	15
9	Forced expression of microRNA-146b reduces TRAF6-dependent inflammation and improves ischemia-induced neovascularization in hypercholesterolemic conditions. <i>Atherosclerosis</i> , <b>2019</b> , 289, 73-84	3.1	14
8	Direct renin inhibition with aliskiren improves ischemia-induced neovascularization: blood pressure-independent effect. <i>Atherosclerosis</i> , <b>2015</b> , 242, 450-60	3.1	13
7	Elsibucol inhibits atherosclerosis following arterial injury: multifunctional effects on cholesterol levels, oxidative stress and inflammation. <i>Atherosclerosis</i> , <b>2014</b> , 237, 194-9	3.1	11
6	Psychological stress impairs ischemia-induced neovascularization: Protective effect of fluoxetine. <i>Atherosclerosis</i> , <b>2015</b> , 241, 569-78	3.1	10
5	Reduced expression of microRNA-130a promotes endothelial cell senescence and age-dependent impairment of neovascularization. <i>Aging</i> , <b>2020</b> , 12, 10180-10193	5.6	6
4	Neonatal exposure to high oxygen levels leads to impaired ischemia-induced neovascularization in adulthood. <i>Scientific Reports</i> , <b>2017</b> , 7, 14143	4.9	4
3	Analysis of the COMPARE-AMI trial: First report of long-term safety of CD133+ cells. <i>International Journal of Cardiology</i> , <b>2020</b> , 319, 32-35	3.2	2
2	MicroRNA Expression Profiling of Bone Marrow-Derived Proangiogenic Cells (PACs) in a Mouse Model of Hindlimb Ischemia: Modulation by Classical Cardiovascular Risk Factors. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 947	4.5	1
1	Tyrosine-Protein Phosphatase Non-receptor Type 9 (PTPN9) Negatively Regulates the Paracrine Vasoprotective Activity of Bone-Marrow Derived Pro-angiogenic Cells: Impact on Vascular Degeneration in Oxygen-Induced Retinopathy. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 679906	5.7	