

Keith D Rochfort

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.

30 papers	795 citations	14 h-index	28 g-index
32 ext. papers	965 ext. citations	4.7 avg, IF	4.44 L-index

#	Paper	IF	Citations
30	Downregulation of blood-brain barrier phenotype by proinflammatory cytokines involves NADPH oxidase-dependent ROS generation: consequences for interendothelial adherens and tight junctions. <i>PLoS ONE</i> , 2014 , 9, e101815	3.7	150
29	The blood-brain barrier endothelium: a target for pro-inflammatory cytokines. <i>Biochemical Society Transactions</i> , 2015 , 43, 702-6	5.1	115
28	Vascular calcification in type-2 diabetes and cardiovascular disease: Integrative roles for OPG, RANKL and TRAIL. <i>Vascular Pharmacology</i> , 2016 , 82, 30-40	5.9	82
27	Stabilization of brain microvascular endothelial barrier function by shear stress involves VE-cadherin signaling leading to modulation of pTyr-occludin levels. <i>Journal of Cellular Physiology</i> , 2011 , 226, 3053-63	7	76
26	Cytokine-mediated dysregulation of zonula occludens-1 properties in human brain microvascular endothelium. <i>Microvascular Research</i> , 2015 , 100, 48-53	3.7	60
25	Tumour necrosis factor- α -mediated disruption of cerebrovascular endothelial barrier integrity in vitro involves the production of proinflammatory interleukin-6. <i>Journal of Neurochemistry</i> , 2016 , 136, 564-72	6	59
24	Ion-Exchange Chromatography: Basic Principles and Application. <i>Methods in Molecular Biology</i> , 2017 , 1485, 209-223	1.4	27
23	The beneficial pleiotropic effects of tumour necrosis factor-related apoptosis-inducing ligand (TRAIL) within the vasculature: A review of the evidence. <i>Atherosclerosis</i> , 2016 , 247, 87-96	3.1	26
22	RANKL promotes osteoblastic activity in vascular smooth muscle cells by upregulating endothelial BMP-2 release. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 77, 171-180	5.6	23
21	Staphylococcus aureus-mediated blood-brain barrier injury: an in vitro human brain microvascular endothelial cell model. <i>Cellular Microbiology</i> , 2017 , 19, e12664	3.9	20
20	Shear-dependent attenuation of cellular ROS levels can suppress proinflammatory cytokine injury to human brain microvascular endothelial barrier properties. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 1648-56	7.3	19
19	A role for syntaxin 3 in the secretion of IL-6 from dendritic cells following activation of toll-like receptors. <i>Frontiers in Immunology</i> , 2014 , 5, 691	8.4	15
18	An Emerging Role for SNARE Proteins in Dendritic Cell Function. <i>Frontiers in Immunology</i> , 2015 , 6, 133	8.4	15
17	Thrombomodulin regulation in human brain microvascular endothelial cells in vitro: role of cytokines and shear stress. <i>Microvascular Research</i> , 2015 , 97, 1-5	3.7	14
16	Surface layer proteins isolated from <i>Clostridium difficile</i> induce clearance responses in macrophages. <i>Microbes and Infection</i> , 2014 , 16, 391-400	9.3	14
15	Regulation of thrombomodulin expression and release in human aortic endothelial cells by cyclic strain. <i>PLoS ONE</i> , 2014 , 9, e108254	3.7	14
14	Moesin and merlin regulate urokinase receptor-dependent endothelial cell migration, adhesion and angiogenesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2017 , 88, 14-22	5.6	12

13	Shear stress is a positive regulator of thimet oligopeptidase (EC3.4.24.15) in vascular endothelial cells: consequences for MHC1 levels. <i>Cardiovascular Research</i> , 2013 , 99, 545-54	9.9	11
12	TRAIL attenuates RANKL-mediated osteoblastic signalling in vascular cell mono-culture and co-culture models. <i>PLoS ONE</i> , 2017 , 12, e0188192	3.7	8
11	RANKL Inhibits the Production of Osteoprotegerin from Smooth Muscle Cells under Basal Conditions and following Exposure to Cyclic Strain. <i>Journal of Vascular Research</i> , 2018 , 55, 111-123	1.9	7
10	A Review of Polylactic Acid as a Replacement Material for Single-Use Laboratory Components.. <i>Materials</i> , 2022 , 15,	3.5	5
9	Activation of the non-canonical NF- κ B/p52 pathway in vascular endothelial cells by RANKL elicits pro-calcific signalling in co-cultured smooth muscle cells. <i>Cellular Signalling</i> , 2018 , 47, 142-150	4.9	4
8	COMP-Ang1 Stabilizes Hyperglycemic Disruption of Blood-Retinal Barrier Phenotype in Human Retinal Microvascular Endothelial Cells 2019 , 60, 3547-3555		4
7	Pulmonary endothelial permeability and tissue fluid balance depend on the viscosity of the perfusion solution. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018 , 315, L476-L484	5.8	3
6	TRAIL inhibits oxidative stress in human aortic endothelial cells exposed to pro-inflammatory stimuli. <i>Physiological Reports</i> , 2020 , 8, e14612	2.6	2
5	In Vitro Cell Models of the Human Blood-Brain Barrier: Demonstrating the Beneficial Influence of Shear Stress on Brain Microvascular Endothelial Cell Phenotype. <i>Neuromethods</i> , 2019 , 71-98	0.4	2
4	Data on the regulation of moesin and merlin by the urokinase receptor (uPAR): Model explaining distal activation of integrins by uPAR. <i>Data in Brief</i> , 2017 , 15, 600-605	1.2	1
3	RANKL treatment of vascular endothelial cells leading to paracrine pro-calcific signaling involves ROS production. <i>Molecular and Cellular Biochemistry</i> , 2020 , 464, 111-117	4.2	1
2	COMP-Ang1: Therapeutic potential of an engineered Angiopoietin-1 variant. <i>Vascular Pharmacology</i> , 2021 , 141, 106919	5.9	0
1	Pathophysiology of Circulating Biomarkers and Relationship With Vascular Aging: A Review of the Literature From VascAgeNet Group on Circulating Biomarkers, European Cooperation in Science and Technology Action 18216.. <i>Frontiers in Physiology</i> , 2021 , 12, 789690	4.6	0