

Brian W Wong

List of Publications by Year in descending order

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46
papers

4,473
citations

218677

26
h-index

302126

39
g-index

50
all docs

50
docs citations

50
times ranked

7432
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of PFKFB3-Driven Glycolysis in Vessel Sprouting. <i>Cell</i> , 2013, 154, 651-663.	28.9	1,117
2	Partial and Transient Reduction of Glycolysis by PFKFB3 Blockade Reduces Pathological Angiogenesis. <i>Cell Metabolism</i> , 2014, 19, 37-48.	16.2	429
3	Metabolism of stromal and immune cells in health and disease. <i>Nature</i> , 2014, 511, 167-176.	27.8	377
4	Endothelial Cell Metabolism. <i>Physiological Reviews</i> , 2018, 98, 3-58.	28.8	351
5	The role of fatty acid $\hat{1}^2$ -oxidation in lymphangiogenesis. <i>Nature</i> , 2017, 542, 49-54.	27.8	240
6	Endothelial cell metabolism in health and disease: impact of hypoxia. <i>EMBO Journal</i> , 2017, 36, 2187-2203.	7.8	186
7	Quiescent Endothelial Cells Upregulate Fatty Acid $\hat{1}^2$ -Oxidation for Vasculoprotection via Redox Homeostasis. <i>Cell Metabolism</i> , 2018, 28, 881-894.e13.	16.2	174
8	The Biological Role of Inflammation in Atherosclerosis. <i>Canadian Journal of Cardiology</i> , 2012, 28, 631-641.	1.7	151
9	Glycolytic regulation of cell rearrangement in angiogenesis. <i>Nature Communications</i> , 2016, 7, 12240.	12.8	131
10	Characterization of fractalkine (CX3CL1) and CX3CR1 in human coronary arteries with native atherosclerosis, diabetes mellitus, and transplant vascular disease. <i>Cardiovascular Pathology</i> , 2002, 11, 332-338.	1.6	129
11	Emerging novel functions of the oxygen-sensing prolyl hydroxylase domain enzymes. <i>Trends in Biochemical Sciences</i> , 2013, 38, 3-11.	7.5	123
12	Versican: signaling to transcriptional control pathways This paper is one of a selection of papers published in this Special Issue, entitled Young Investigator's Forum.. <i>Canadian Journal of Physiology and Pharmacology</i> , 2006, 84, 77-92.	1.4	99
13	Despite Antiatherogenic Metabolic Characteristics, SCD1-Deficient Mice Have Increased Inflammation and Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 341-347.	2.4	95
14	ATP-Binding Cassette Transporter A1 Expression and Apolipoprotein A-I Binding Are Impaired in Intima-Type Arterial Smooth Muscle Cells. <i>Circulation</i> , 2009, 119, 3223-3231.	1.6	88
15	Regulation of the Versican Promoter by the $\hat{1}^2$ -Catenin-T-cell Factor Complex in Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 13019-13028.	3.4	77
16	Gamma Interferon-Inducible Protein 10 Induces HeLa Cell Apoptosis through a p53-Dependent Pathway Initiated by Suppression of Human Papillomavirus Type 18 E6 and E7 Expression. <i>Molecular and Cellular Biology</i> , 2005, 25, 6247-6258.	2.3	63
17	Bronchus-associated lymphoid tissue—resident Foxp3+ T lymphocytes prevent antibody-mediated lung rejection. <i>Journal of Clinical Investigation</i> , 2018, 129, 556-568.	8.2	60
18	Protein degradation systems in viral myocarditis leading to dilated cardiomyopathy. <i>Cardiovascular Research</i> , 2010, 85, 347-356.	3.8	59

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19	Inhibition of glycogen synthase kinase 3 β suppresses coxsackievirus-induced cytopathic effect and apoptosis via stabilization of β -catenin. <i>Cell Death and Differentiation</i> , 2005, 12, 1097-1106.	11.2	58
20	Overexpression of Interferon- β -inducible GTPase Inhibits Coxsackievirus B3-induced Apoptosis through the Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway and Inhibition of Viral Replication. <i>Journal of Biological Chemistry</i> , 2003, 278, 33011-33019.	3.4	55
21	Emerging Concepts in Organ-Specific Lymphatic Vessels and Metabolic Regulation of Lymphatic Development. <i>Developmental Cell</i> , 2018, 45, 289-301.	7.0	54
22	Perforin Mediates Endothelial Cell Death and Resultant Transplant Vascular Disease in Cardiac Allografts. <i>American Journal of Pathology</i> , 2004, 165, 127-133.	3.8	53
23	Incomplete and transitory decrease of glycolysis. <i>Cell Cycle</i> , 2014, 13, 16-22.	2.6	52
24	Pairwise network mechanisms in the host signaling response to coxsackievirus B3 infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17053-17058.	7.1	42
25	Metabolic Adaptations in Diabetic Endothelial Cells. <i>Circulation Journal</i> , 2015, 79, 934-941.	1.6	40
26	Identification of kidney injury- α released circulating osteopontin as causal agent of respiratory failure. <i>Science Advances</i> , 2022, 8, eabm5900.	10.3	34
27	Lymphatic vessels in solid organ transplantation and immunobiology. <i>American Journal of Transplantation</i> , 2020, 20, 1992-2000.	4.7	20
28	Apoptosis repressor with caspase recruitment domain (ARC) inhibits myogenic differentiation. <i>FEBS Letters</i> , 2007, 581, 879-884.	2.8	18
29	Progress in heart transplantation. <i>Cardiovascular Pathology</i> , 2005, 14, 176-180.	1.6	17
30	Vascular Endothelial Growth Factor Increases Human Cardiac Microvascular Endothelial Cell Permeability to Low-Density Lipoproteins. <i>Journal of Heart and Lung Transplantation</i> , 2009, 28, 950-957.	0.6	11
31	Treating Diabetes by Blocking a Vascular Growth Factor. <i>Cell Metabolism</i> , 2012, 16, 553-555.	16.2	11
32	A Novel Multidrug Combination Mitigates Rat Liver Steatosis Through Activating AMPK Pathway During Normothermic Machine Perfusion. <i>Transplantation</i> , 2021, 105, e215-e225.	1.0	11
33	Vascular endothelial growth factor-D is overexpressed in human cardiac allograft vasculopathy and diabetic atherosclerosis and induces endothelial permeability to low-density lipoproteins in vitro. <i>Journal of Heart and Lung Transplantation</i> , 2011, 30, 955-62.	0.6	10
34	NRF2 assessment in discarded liver allografts: A role in allograft function and salvage. <i>American Journal of Transplantation</i> , 2022, 22, 58-70.	4.7	10
35	Sialyl Lewis X modification of the epidermal growth factor receptor regulates receptor function during airway epithelial wound repair. <i>Clinical and Experimental Allergy</i> , 2010, 40, 607-618.	2.9	9
36	Targeting fatty acid β -oxidation impairs monocyte differentiation and prolongs heart allograft survival. <i>JCI Insight</i> , 2022, 7, .	5.0	7

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37	Dual Lactate Clearance in the Viability Assessment of Livers Donated After Circulatory Death With Ex Situ Normothermic Machine Perfusion. <i>Transplantation Direct</i> , 2021, 7, e789.	1.6	5
38	Live imaging reveals a conserved role of fatty acid β -oxidation in early lymphatic development in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 26-31.	2.1	3
39	Combined abdominal heterotopic heart and aorta transplant model in mice. <i>PLoS ONE</i> , 2020, 15, e0230649.	2.5	2
40	Antisense DNA and RNA: Potential Therapeutics for Viral Infection. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2006, 5, 367-377.	0.6	0
41	Combined abdominal heterotopic heart and aorta transplant model in mice. , 2020, 15, e0230649.		0
42	Combined abdominal heterotopic heart and aorta transplant model in mice. , 2020, 15, e0230649.		0
43	Combined abdominal heterotopic heart and aorta transplant model in mice. , 2020, 15, e0230649.		0
44	Combined abdominal heterotopic heart and aorta transplant model in mice. , 2020, 15, e0230649.		0
45	Combined abdominal heterotopic heart and aorta transplant model in mice. , 2020, 15, e0230649.		0
46	Combined abdominal heterotopic heart and aorta transplant model in mice. , 2020, 15, e0230649.		0