Steven F Abcouwer

List of Publications by Year
in descending order

68	4,455	186209 28	143943 57
papers	citations	h-index	g-index

71	71	71	6349
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	mTORC1 regulates high levels of protein synthesis in retinal ganglion cells of adult mice. Journal of Biological Chemistry, 2022, 298, 101944.	1.6	2
2	Differential effects of minocycline on microvascular complications in murine models of type 1 and type 2 diabetes. Journal of Translational Science, 2021, 7, .	0.2	4
3	Conditional Knock out of High-Mobility Group Box 1 (HMGB1) in Rods Reduces Autophagy Activation after Retinal Detachment. Cells, 2021, 10, 2010.	1.8	5
4	Diminished retinal complex lipid synthesis and impaired fatty acid Î²-oxidation associated with human diabetic retinopathy. JCI Insight, 2021, 6, .	2.3	20
5	Inflammatory resolution and vascular barrier restoration after retinal ischemia reperfusion injury. Journal of Neuroinflammation, 2021, 18, 186.	3.1	36
6	Differential Effects of Empagliflozin on Microvascular Complications in Murine Models of Type 1 and Type 2 Diabetes. Biology, 2020, 9, 347.	1.3	19
7	Loss of High-Mobility Group Box 1 (HMGB1) Protein in Rods Accelerates Rod Photoreceptor Degeneration After Retinal Detachment. , 2020, 61, 50.		8
8	All-trans-Retinaldehyde Contributes to Retinal Vascular Permeability in Ischemia Reperfusion. , 2020, 61, 8.		5
9	mTORC1 and mTORC2 expression in inner retinal neurons and glial cells. Experimental Eye Research, 2020, 197, 108131.	1.2	13
10	New insights into the mechanisms of diabetic complications: role of lipids and lipid metabolism. Diabetologia, 2019, 62, 1539-1549.	2.9	240
11	Mitochondrial uncoupling has no effect on microvascular complications in type 2 diabetes. Scientific Reports, 2019, 9, 881.	1.6	19
12	Shared and distinct lipid-lipid interactions in plasma and affected tissues in a diabetic mouse model. Journal of Lipid Research, 2018, 59, 173-183.	2.0	38
13	Vitreous Cytokine Expression and a Murine Model Suggest a Key Role of Microglia in the Inflammatory Response to Retinal Detachment. , 2018, 59, 3767.		34
14	Inhibition of Atypical Protein Kinase C Reduces Inflammation-Induced Retinal Vascular Permeability. American Journal of Pathology, 2018, 188, 2392-2405.	1.9	18
15	Developmental and light regulation of tumor suppressor protein PP2A in the retina. Oncotarget, 2018, 9, 1505-1523.	0.8	7
16	MÃ¼ller Cellâ€“Microglia Cross Talk Drives Neuroinflammation in Diabetic Retinopathy. Diabetes, 2017, 66, 261-263.	0.3	46
17	Protective Effect of a GLP-1 Analog on Ischemia-Reperfusion Induced Bloodâ€“Retinal Barrier Breakdown and Inflammation. , 2016, 57, 2584.		41
18	Insulin-like growth factor 1 rescues R28 retinal neurons from apoptotic death through ERK-mediated BimEL phosphorylation independent of Akt. Experimental Eye Research, 2016, 151, 82-95.	1.2	25

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19	CX3CR1 deficiency accelerates the development of retinopathy in a rodent model of type 1 diabetes. Journal of Molecular Medicine, 2016, 94, 1255-1265.	1.7	32
20	Tissue-specific metabolic reprogramming drives nutrient flux in diabetic complications. JCI Insight, 2016, 1, e86976.	2.3	188
21	Phosphatase control of 4E-BP1 phosphorylation state is central for glycolytic regulation of retinal protein synthesis. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E546-E556.	1.8	22
22	Ischemiaâ€“Reperfusion Injury Induces Occludin Phosphorylation/Ubiquitination and Retinal Vascular Permeability in a VEGFR-2-Dependent Manner. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 522-531.	2.4	78
23	Diabetic retinopathy: loss of neuroretinal adaptation to the diabetic metabolic environment. Annals of the New York Academy of Sciences, 2014, 1311, 174-190.	1.8	186
24	mTORC1-Independent Reduction of Retinal Protein Synthesis in Type 1 Diabetes. Diabetes, 2014, 63, 3077-3090.	0.3	24
25	Minocycline prevents retinal inflammation and vascular permeability following ischemia-reperfusion injury. Journal of Neuroinflammation, 2013, 10, 149.	3.1	104
26	Direct Effects of PPARÎ± Agonists on Retinal Inflammation and Angiogenesis May Explain How Fenofibrate Lowers Risk of Severe Proliferative Diabetic Retinopathy. Diabetes, 2013, 62, 36-38.	0.3	17
27	A Role for Systemic Inflammation in Diabetic Retinopathy. , 2013, 54, 2384.		15
28	Journal of Clinical & Cellular Immunology. Journal of Clinical & Cellular Immunology, 2013, Suppl 1, .	1.5	110
29	Neural inflammation and the microglial response in diabetic retinopathy. Journal of Ocular Biology, Diseases, and Informatics, 2011, 4, 25-33.	0.2	20
30	The Significance of Vascular and Neural Apoptosis to the Pathology of Diabetic Retinopathy. , 2011, 52, 1156.		361
31	An Integrated Approach to Diabetic Retinopathy Research. JAMA Ophthalmology, 2011, 129, 230.	2.6	83
32	Differential Roles of Hyperglycemia and Hypoinsulinemia in Diabetes Induced Retinal Cell Death: Evidence for Retinal Insulin Resistance. PLoS ONE, 2011, 6, e26498.	1.1	62
33	Effects of Ischemic Preconditioning and Bevacizumab on Apoptosis and Vascular Permeability Following Retinal Ischemiaâ€“Reperfusion Injury. , 2010, 51, 5920.		70
34	TNF-Î± Signals Through PKCÎ¶/NF-Î²B to Alter the Tight Junction Complex and Increase Retinal Endothelial Cell Permeability. Diabetes, 2010, 59, 2872-2882.	0.3	343
35	Regulation of Vascular Endothelial Growth Factor A by Activating Transcription Factor 4. Circulation Research, 2008, 103, e118; author reply e119.	2.0	0
36	Effect of IL-1Î² on Survival and Energy Metabolism of R28 and RGC-5 Retinal Neurons. , 2008, 49, 5581.		35

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37	Activation of NFÎºB is inhibited by curcumin and related enones. Bioorganic and Medicinal Chemistry, 2006, 14, 2450-2461.	1.4	114
38	Anti-oxidant activities of curcumin and related enones. Bioorganic and Medicinal Chemistry, 2005, 13, 3811-3820.	1.4	256
39	Aberrant Accumulation of Fibulin-3 in the Endoplasmic Reticulum Leads to Activation of the Unfolded Protein Response and VEGF Expression. , 2005, 46, 3973.		70
40	The Oxidative Stressor Arsenite Activates Vascular Endothelial Growth Factor mRNA Transcription by an ATF4-dependent Mechanism. Journal of Biological Chemistry, 2005, 280, 20331-20339.	1.6	112
41	Expression of Angiogenic Factors Vascular Endothelial Growth Factor and Interleukin-8/CXCL8 Is Highly Responsive to Ambient Glutamine Availability. Cancer Research, 2004, 64, 4858-4869.	0.4	105
42	Homocysteine Increases the Expression of Vascular Endothelial Growth Factor by a Mechanism Involving Endoplasmic Reticulum Stress and Transcription Factor ATF4. Journal of Biological Chemistry, 2004, 279, 14844-14852.	1.6	196
43	Expression of the pro-angiogenic factors vascular endothelial growth factor and interleukin-8/CXCL8 by human breast carcinomas is responsive to nutrient deprivation and endoplasmic reticulum stress. Molecular Cancer, 2004, 3, 4.	7.9	73
44	Induction of Grp78/BiP by Translational Block. Journal of Biological Chemistry, 2003, 278, 37375-37385.	1.6	238
45	Molecular and functional analysis of glutamine uptake in human hepatoma and liver-derived cells. American Journal of Physiology - Renal Physiology, 2002, 283, G1062-G1073.	1.6	77
46	Response of VEGF expression to amino acid deprivation and inducers of endoplasmic reticulum stress. Investigative Ophthalmology and Visual Science, 2002, 43, 2791-8.	3.3	91
47	Mechanisms Governing the Expression of the Enzymes of Glutamine Metabolismâ€"Glutaminase and Glutamine Synthetase. Journal of Nutrition, 2001, 131, 2467S-2474S.	1.3	103
48	Glutamine synthetase expression in muscle is regulated by transcriptional and posttranscriptional mechanisms. American Journal of Physiology - Endocrinology and Metabolism, 1999, 276, E1136-E1145.	1.8	20
49	Identification of glucocorticoid-responsive elements that control transcription of rat glutamine synthetase. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1999, 276, L319-L331.	1.3	11
50	Cloning and analysis of unique human glutaminase isoforms generated by tissue-specific alternative splicing. Physiological Genomics, 1999, 1, 51-62.	1.0	169
51	Glutamine Deprivation Induces the Expression ofGADD45 and GADD153 Primarily by mRNA Stabilization. Journal of Biological Chemistry, 1999, 274, 28645-28651.	1.6	66
52	Effect of dietary glutamate on chemotherapy-induced immunosuppression. Nutrition, 1999, 15, 687-696.	1.1	28
53	Determinants of glutamine dependence and utilization by normal and tumor-derived breast cell lines. , 1998, 176, 166-178.		80
54	Sepsis Increases Lung Glutamine Synthetase Expression in the Tumor-Bearing Host. Journal of Surgical Research, 1998, 78, 18-22.	0.8	8

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55	Multiwell ¹⁴CO₂-Capture Assay for Evaluation of Substrate Oxidation Rates of Cells in Culture. BioTechniques, 1998, 24, 803-808.	0.8	25
56	Glutamine synthetase expression in rat lung is regulated by protein stability. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 275, L877-L886.	1.3	11
57	INDUCTION OF MUSCLE GLUTAMINE SYNTHETASE GENE EXPRESSION DURING ENDOTOXEMIA IS ADRENAL GLAND DEPENDENT. Shock, 1997, 7, 332-338.	1.0	12
58	Hepatic Glutaminase Gene Expression in the Tumor-Bearing Rat. Journal of Surgical Research, 1997, 69, 33-39.	0.8	4
59	Regulation of glutamine synthetase in human breast carcinoma cells and experimental tumors. Surgery, 1997, 122, 451-464.	1.0	31
60	Glutamine synthetase gene expression in the lungs of endotoxin-treated and adrenalectomized rats. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1997, 273, L1182-L1190.	1.3	10
61	Is the lung an organ of nutrition and metabolism?. Nutrition, 1997, 13, 492.	1.1	0
62	Induction of Glutamine Synthetase Expression after Major Burn Injury is Tissue Specific and Temporally Variable. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 42, 421-428.	1.1	14
63	Tissue-specific regulation of glutamine synthetase gene expression in acute pancreatitis is confirmed by using interleukin-1 receptor knockout mice. Surgery, 1996, 120, 255-264.	1.0	17
64	Glutamine as a Regulator of DNA and Protein Biosynthesis in Human Solid Tumor Cell Lines. Annals of Surgery, 1996, 224, 189-197.	2.1	64
65	Induction of Cytokine-Induced Neutrophil Chemoattractant (CINC) mRNA in the Lungs of Septic Rats. Arteriosclerosis, Thrombosis, and Vascular Biology, 1996, 41, 222-230.	1.1	24
66	AMINO ACID METABOLISM AND THE VASCULAR ENDOTHELIUM: REGULATION AND DISEASE IMPLICATIONS. Shock, 1995, 4, 79-88.	1.0	5
67	Glucocorticoids Regulate Rat Glutamine Synthetase Expression in a Tissue-Specific Manner. Journal of Surgical Research, 1995, 59, 59-65.	0.8	58
68	Molecular regulation of lung endothelial glutamine synthetase expression*. Surgery, 1995, 118, 325-335.	1.0	22