Alistair Barber

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9209088/publications.pdf

Version: 2024-02-01

36	6,835	236925	454955
papers	citations	25 h-index	30 g-index

36	36	36	5381
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The stress response protein REDD1 promotes diabetes-induced oxidative stress in the retina by Keap1-independent Nrf2 degradation. Journal of Biological Chemistry, 2020, 295, 7350-7361.	3.4	44
2	Short-Term Administration of Astaxanthin Attenuates Retinal Changes in Diet-Induced Diabetic Psammomys obesus. Current Eye Research, 2018, 43, 1177-1189.	1.5	18
3	Neurodegeneration in diabetic retinopathy: Potential for novel therapies. Vision Research, 2017, 139, 82-92.	1.4	73
4	Nrf2 as molecular target for polyphenols: A novel therapeutic strategy in diabetic retinopathy. Critical Reviews in Clinical Laboratory Sciences, 2016, 53, 293-312.	6.1	65
5	NRF2 plays a protective role in diabetic retinopathy in mice. Diabetologia, 2014, 57, 204-213.	6.3	149
6	Synthesis and structureâ€“activity relationships of 2-amino-3-carboxy-4-phenylthiophenes as novel atypical protein kinase C inhibitors. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3034-3038.	2.2	13
7	JOBDI special editionâ€”introduction. Journal of Ocular Biology, Diseases, and Informatics, 2011, 4, 1-2.	0.2	0
8	Differential Roles of Hyperglycemia and Hypoinsulinemia in Diabetes Induced Retinal Cell Death: Evidence for Retinal Insulin Resistance. PLoS ONE, 2011, 6, e26498.	2.5	62
9	Visual Dysfunction Associated with Diabetic Retinopathy. Current Diabetes Reports, 2010, 10, 380-384.	4.2	76
10	A multistep validation process of biomarkers for preclinical drug development. Pharmacogenomics Journal, 2010, 10, 385-395.	2.0	27
11	TRPC3 Activation by Erythropoietin Is Modulated by TRPC6. Journal of Biological Chemistry, 2009, 284, 4567-4581.	3.4	25
12	Retinal ganglion cells in diabetes. Journal of Physiology, 2008, 586, 4401-4408.	2.9	341
13	Diabetes downregulates presynaptic proteins and reduces basal synapsin I phosphorylation in rat retina. European Journal of Neuroscience, 2008, 28, 1-11.	2.6	87
14	Dendrite Remodeling and Other Abnormalities in the Retinal Ganglion Cells of Ins2^{Akita}Diabetic Mice. , 2008, 49, 2635.		151
15	Energy sources for glutamate neurotransmission in the retina: absence of the aspartate/glutamate carrier produces reliance on glycolysis in glia. Journal of Neurochemistry, 2007, 101, 120-131.	3.9	65
16	Loss of Cholinergic and Dopaminergic Amacrine Cells in Streptozotocin-Diabetic Rat and Ins2Akita-Diabetic Mouse Retinas. , 2006, 47, 3143.		212
17	Histamine receptors in mammalian retinas. Journal of Comparative Neurology, 2006, 495, 658-667.	1.6	33
18	Elevated Glucose Changes the Expression of Ionotropic Glutamate Receptor Subunits and Impairs Calcium Homeostasis in Retinal Neural Cells. , 2006, 47, 4130.		52

#	Article	IF	Citations
19	Diabetic Retinopathy. Diabetes, 2006, 55, 2401-2411.	0.6	673
20	The Ins2^{Akita}Mouse as a Model of Early Retinal Complications in Diabetes. , 2005, 46, 2210.		442
21	A new view of diabetic retinopathy: a neurodegenerative disease of the eye. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2003, 27, 283-290.	4.8	535
22	Mapping the Blood Vessels with Paracellular Permeability in the Retinas of Diabetic Rats. , 2003, 44, 5410.		98
23	Platelet-derived growth factor mediates tight junction redistribution and increases permeability in MDCK cells. Journal of Cellular Physiology, 2002, 193, 349-364.	4.1	63
24	Role of specific aminotransferases in de novo glutamate synthesis and redox shuttling in the retina. Journal of Neuroscience Research, 2001, 66, 914-922.	2.9	81
25	Excessive Hexosamines Block the Neuroprotective Effect of Insulin and Induce Apoptosis in Retinal Neurons. Journal of Biological Chemistry, 2001, 276, 43748-43755.	3.4	162
26	Insulin Rescues Retinal Neurons from Apoptosis by a Phosphatidylinositol 3-Kinase/Akt-mediated Mechanism That Reduces the Activation of Caspase-3. Journal of Biological Chemistry, 2001, 276, 32814-32821.	3.4	279
27	Review Paper: New Insights into the Pathophysiology of Diabetic Retinopathy: Potential Cell-Specific Therapeutic Targets. Diabetes Technology and Therapeutics, 2000, 2, 601-608.	4.4	62
28	Vascular Endothelial Growth Factor Induces Rapid Phosphorylation of Tight Junction Proteins Occludin and Zonula Occluden 1. Journal of Biological Chemistry, 1999, 274, 23463-23467.	3.4	575
29	Molecular Mechanisms of Vascular Permeability in Diabetic Retinopathy. Seminars in Ophthalmology, 1999, 14, 240-248.	1.6	202
30	Glial reactivity and impaired glutamate metabolism in short-term experimental diabetic retinopathy. Penn State Retina Research Group.. Diabetes, 1998, 47, 815-820.	0.6	437
31	Vascular permeability in experimental diabetes is associated with reduced endothelial occludin content: vascular endothelial growth factor decreases occludin in retinal endothelial cells. Penn State Retina Research Group.. Diabetes, 1998, 47, 1953-1959.	0.6	547
32	Neural apoptosis in the retina during experimental and human diabetes. Early onset and effect of insulin.. Journal of Clinical Investigation, 1998, 102, 783-791.	8.2	1,090
33	(â˜)Deprenyl Reduces Delayed Neuronal Death of Hippocampal Pyramidal Cells. Neuroscience and Biobehavioral Reviews, 1997, 21, 181-186.	6.1	44
34	Chronic effects of monoamine oxidase-B inhibitors on the behaviour of aged mice. Life Sciences, 1993, 53, 739-747.	4.3	16
35	Amnesia induced by 2-Deoxygalactose in the day-old chick: lateralization of effects in two different one-trial learning tasks. Behavioral and Neural Biology, 1991, 56, 77-88.	2.2	21
36	Glycoprotein Synthesis Is Necessary for Memory of Sickness-Induced Learning in Chicks. European Journal of Neuroscience, 1989, 1, 673-677.	2.6	15