

Ruth B Caldwell

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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.

148
papers

8,050
citations

48
h-index

86
g-index

153
ext. papers

8,951
ext. citations

5.6
avg, IF

5.61
L-index

#	Paper	IF	Citations
148	Corneal avascularity is due to soluble VEGF receptor-1. <i>Nature</i> , 2006 , 443, 993-7	50.4	528
147	Vascular endothelial growth factor signals endothelial cell production of nitric oxide and prostacyclin through flk-1/KDR activation of c-Src. <i>Journal of Biological Chemistry</i> , 1999 , 274, 25130-5	5.4	367
146	Pravastatin sodium activates endothelial nitric oxide synthase independent of its cholesterol-lowering actions. <i>Journal of the American College of Cardiology</i> , 1999 , 33, 234-41	15.1	304
145	Diabetes-induced coronary vascular dysfunction involves increased arginase activity. <i>Circulation Research</i> , 2008 , 102, 95-102	15.7	292
144	Neuroprotective and blood-retinal barrier-preserving effects of cannabidiol in experimental diabetes. <i>American Journal of Pathology</i> , 2006 , 168, 235-44	5.8	196
143	Vascular endothelial growth factor and diabetic retinopathy: pathophysiological mechanisms and treatment perspectives. <i>Diabetes/Metabolism Research and Reviews</i> , 2003 , 19, 442-55	7.5	194
142	Vascular endothelial growth factor and diabetic retinopathy: role of oxidative stress. <i>Current Drug Targets</i> , 2005 , 6, 511-24	3	189
141	VEGF induces nuclear translocation of Flk-1/KDR, endothelial nitric oxide synthase, and caveolin-1 in vascular endothelial cells. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 256, 192-7	3.4	186
140	Arginase: an old enzyme with new tricks. <i>Trends in Pharmacological Sciences</i> , 2015 , 36, 395-405	13.2	176
139	Experimental diabetes causes breakdown of the blood-retina barrier by a mechanism involving tyrosine nitration and increases in expression of vascular endothelial growth factor and urokinase plasminogen activator receptor. <i>American Journal of Pathology</i> , 2003 , 162, 1995-2004	5.8	174
138	Role of NADPH oxidase in retinal vascular inflammation 2008 , 49, 3239-44		170
137	Neuroprotective effect of (-)Delta9-tetrahydrocannabinol and cannabidiol in N-methyl-D-aspartate-induced retinal neurotoxicity: involvement of peroxynitrite. <i>American Journal of Pathology</i> , 2003 , 163, 1997-2008	5.8	167
136	Inhibition of NAD(P)H oxidase activity blocks vascular endothelial growth factor overexpression and neovascularization during ischemic retinopathy. <i>American Journal of Pathology</i> , 2005 , 167, 599-607	5.8	160
135	Therapeutic use of citrulline in cardiovascular disease. <i>Cardiovascular Drug Reviews</i> , 2006 , 24, 275-90		150
134	Endothelial PFKFB3 plays a critical role in angiogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 1231-9	9.4	145
133	Arginase: A Multifaceted Enzyme Important in Health and Disease. <i>Physiological Reviews</i> , 2018 , 98, 641-665	17.9	143
132	Role of NADPH oxidase and Stat3 in statin-mediated protection against diabetic retinopathy 2008 , 49, 3231-8		131

131	Oxidative stress inactivates VEGF survival signaling in retinal endothelial cells via PI 3-kinase tyrosine nitration. <i>Journal of Cell Science</i> , 2005 , 118, 243-52	5.3	126
130	VEGF differentially activates STAT3 in microvascular endothelial cells. <i>FASEB Journal</i> , 2003 , 17, 1562-4	0.9	125
129	Notch3 is critical for proper angiogenesis and mural cell investment. <i>Circulation Research</i> , 2010 , 107, 860-70	15.7	122
128	Inflammation and diabetic retinal microvascular complications. <i>Journal of Cardiovascular Disease Research (discontinued)</i> , 2011 , 2, 96-103	0.5	118
127	High glucose-induced tyrosine nitration in endothelial cells: role of eNOS uncoupling and aldose reductase activation. <i>Investigative Ophthalmology and Visual Science</i> , 2003 , 44, 3135-43		118
126	Angiotensin II-induced vascular endothelial dysfunction through RhoA/Rho kinase/p38 mitogen-activated protein kinase/arginase pathway. <i>American Journal of Physiology - Cell Physiology</i> , 2011 , 300, C1181-92	5.4	108
125	Vascular endothelial growth factor activates STAT proteins in aortic endothelial cells. <i>Journal of Biological Chemistry</i> , 2000 , 275, 33189-92	5.4	103
124	VEGF-induced paracellular permeability in cultured endothelial cells involves urokinase and its receptor. <i>FASEB Journal</i> , 2003 , 17, 752-4	0.9	100
123	Hyperoxia induces retinal vascular endothelial cell apoptosis through formation of peroxynitrite. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 285, C546-54	5.4	88
122	Endothelial nitric oxide synthase interactions with G-protein-coupled receptors. <i>Biochemical Journal</i> , 1999 , 343, 335-340	3.8	87
121	Anti-inflammatory therapy for diabetic retinopathy. <i>Immunotherapy</i> , 2011 , 3, 609-28	3.8	84
120	Effects of hypoxia on glial cell expression of angiogenesis-regulating factors VEGF and TGF- β 1. <i>FASEB Journal</i> , 1998 , 12, 216-225		82
119	Prevention of diabetes-induced arginase activation and vascular dysfunction by Rho kinase (ROCK) knockout. <i>Cardiovascular Research</i> , 2013 , 97, 509-19	9.9	71
118	The role of RhoA/Rho kinase pathway in endothelial dysfunction. <i>Journal of Cardiovascular Disease Research (discontinued)</i> , 2010 , 1, 165-70	0.5	70
117	Toxicity and cellular uptake of gold nanorods in vascular endothelium and smooth muscles of isolated rat blood vessel: importance of surface modification. <i>Small</i> , 2012 , 8, 1270-8	11	69
116	Diabetes-induced vascular dysfunction involves arginase I. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H159-66	5.2	68
115	Peroxynitrite mediates diabetes-induced endothelial dysfunction: possible role of Rho kinase activation. <i>Experimental Diabetes Research</i> , 2010 , 2010, 247861		64
114	Modulation of VEGF production by pH and glucose in retinal Müller cells. <i>Current Eye Research</i> , 1998 , 17, 875-82	2.9	59

113	Effects of sustained hyperoxia on revascularization in experimental retinopathy of prematurity. <i>Investigative Ophthalmology and Visual Science</i> , 2002 , 43, 496-502		58
112	Obesity-induced vascular dysfunction and arterial stiffening requires endothelial cell arginase 1. <i>Cardiovascular Research</i> , 2017 , 113, 1664-1676	9.9	57
111	Simvastatin improves diabetes-induced coronary endothelial dysfunction. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 319, 386-95	4.7	57
110	Astrocytes modulate retinal vasculogenesis: effects on endothelial cell differentiation. <i>Glia</i> , 1995 , 15, 1-10	9	57
109	Role of IL-6 in angiotensin II-induced retinal vascular inflammation 2010 , 51, 1709-18		56
108	Peroxynitrite increases VEGF expression in vascular endothelial cells via STAT3. <i>Free Radical Biology and Medicine</i> , 2005 , 39, 1353-61	7.8	56
107	Superior colliculus neurons which project to the cat lateral posterior nucleus have varying morphologies. <i>Journal of Comparative Neurology</i> , 1981 , 203, 53-66	3.4	56
106	Neuroprotection from retinal ischemia/reperfusion injury by NOX2 NADPH oxidase deletion 2011 , 52, 8123-31		55
105	Role of L-arginine in the vascular actions and development of tolerance to nitroglycerin. <i>British Journal of Pharmacology</i> , 2000 , 130, 211-8	8.6	53
104	Arginase in retinopathy. <i>Progress in Retinal and Eye Research</i> , 2013 , 36, 260-80	20.5	52
103	Arginase activity mediates retinal inflammation in endotoxin-induced uveitis. <i>American Journal of Pathology</i> , 2009 , 175, 891-902	5.8	52
102	Protection against myocardial ischemia/reperfusion injury by short-term diabetes: enhancement of VEGF formation, capillary density, and activation of cell survival signaling. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2006 , 373, 415-27	3.4	51
101	Freeze-fracture quantitative comparison of rabbit corneal epithelial and endothelial membranes. <i>Current Eye Research</i> , 1985 , 4, 951-61	2.9	51
100	Insights into the arginine paradox: evidence against the importance of subcellular location of arginase and eNOS. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H651-66	5.2	48
99	A _{2A} adenosine receptor (A _{2A} AR) as a therapeutic target in diabetic retinopathy. <i>American Journal of Pathology</i> , 2011 , 178, 2136-45	5.8	48
98	Endothelial adenosine A _{2a} receptor-mediated glycolysis is essential for pathological retinal angiogenesis. <i>Nature Communications</i> , 2017 , 8, 584	17.4	47
97	Arginase 2 deletion reduces neuro-glial injury and improves retinal function in a model of retinopathy of prematurity. <i>PLoS ONE</i> , 2011 , 6, e22460	3.7	47
96	Arginase II deletion increases corpora cavernosa relaxation in diabetic mice. <i>Journal of Sexual Medicine</i> , 2011 , 8, 722-33	1.1	46

95	HMG-CoA reductase inhibitors (statin) prevents retinal neovascularization in a model of oxygen-induced retinopathy 2009 , 50, 4934-40		46
94	Protein kinase C- β and arginase I mediate pneumolysin-induced pulmonary endothelial hyperpermeability. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012 , 47, 445-53	5.7	46
93	Amidative peptide processing and vascular function. <i>American Journal of Physiology - Cell Physiology</i> , 1997 , 273, C1908-14	5.4	45
92	Endothelial nitric oxide synthase is a site of superoxide synthesis in endothelial cells treated with glyceryl trinitrate. <i>British Journal of Pharmacology</i> , 2000 , 131, 1019-23	8.6	45
91	Müller cell changes precede vascularization of the pigment epithelium in the dystrophic rat retina. <i>Glia</i> , 1990 , 3, 464-75	9	44
90	Requirement of NOX2 expression in both retina and bone marrow for diabetes-induced retinal vascular injury. <i>PLoS ONE</i> , 2013 , 8, e84357	3.7	43
89	Reactive oxygen species-dependent RhoA activation mediates collagen synthesis in hyperoxic lung fibrosis. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 1689-98	7.8	42
88	Arginase as a mediator of diabetic retinopathy. <i>Frontiers in Immunology</i> , 2013 , 4, 173	8.4	41
87	Antipermeability function of PEDF involves blockade of the MAP kinase/GSK/beta-catenin signaling pathway and uPAR expression 2010 , 51, 3273-80		41
86	p38 Mitogen-activated protein kinase (MAPK) increases arginase activity and contributes to endothelial dysfunction in corpora cavernosa from angiotensin-II-treated mice. <i>Journal of Sexual Medicine</i> , 2010 , 7, 3857-67	1.1	41
85	Neuroprotective and intraocular pressure-lowering effects of (-)-Delta9-tetrahydrocannabinol in a rat model of glaucoma. <i>Ophthalmic Research</i> , 2007 , 39, 69-75	2.9	41
84	Activated Rho kinase mediates diabetes-induced elevation of vascular arginase activation and contributes to impaired corpora cavernosa relaxation: possible involvement of p38 MAPK activation. <i>Journal of Sexual Medicine</i> , 2013 , 10, 1502-15	1.1	40
83	Arginase 2 promotes neurovascular degeneration during ischemia/reperfusion injury. <i>Cell Death and Disease</i> , 2016 , 7, e2483	9.8	39
82	Angiostatic role of astrocytes: suppression of vascular endothelial cell growth by TGF-beta and other inhibitory factor(s). <i>Glia</i> , 1995 , 15, 480-90	9	38
81	Permeability of retinal pigment epithelial cell junctions in the dystrophic rat retina. <i>Experimental Eye Research</i> , 1983 , 36, 415-27	3.7	37
80	Mechanisms of obesity-induced metabolic and vascular dysfunctions. <i>Frontiers in Bioscience - Landmark</i> , 2019 , 24, 890-934	2.8	37
79	Inhibition by the JAK/STAT pathway of IFN γ - and LPS-stimulated nitric oxide synthase induction in vascular smooth muscle cells. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 252, 508-12	3.4	36
78	Arginase 1 mediates increased blood pressure and contributes to vascular endothelial dysfunction in deoxycorticosterone acetate-salt hypertension. <i>Frontiers in Immunology</i> , 2013 , 4, 219	8.4	34

77	Vascular dysfunction in retinopathy-an emerging role for arginase. <i>Brain Research Bulletin</i> , 2010 , 81, 303-9	3.9	34
76	Serum opens tight junctions and reduces ZO-1 protein in retinal epithelial cells. <i>Journal of Neurochemistry</i> , 1997 , 69, 859-67	6	34
75	Normal vascular development in mice deficient in endothelial NO synthase: possible role of neuronal NO synthase. <i>Molecular Vision</i> , 2003 , 9, 549-58	2.3	34
74	Angiotensin II limits NO production by upregulating arginase through a p38 MAPK-ATF-2 pathway. <i>European Journal of Pharmacology</i> , 2015 , 746, 106-14	5.3	33
73	Hyperglycemia and reactive oxygen species mediate apoptosis in aortic endothelial cells through Janus kinase 2. <i>Vascular Pharmacology</i> , 2005 , 43, 320-6	5.9	32
72	Anti-angiogenic actions of the mangosteen polyphenolic xanthone derivative Æmangostin. <i>Microvascular Research</i> , 2014 , 93, 72-9	3.7	31
71	NOX2-Induced Activation of Arginase and Diabetes-Induced Retinal Endothelial Cell Senescence. <i>Antioxidants</i> , 2017 , 6,	7.1	31
70	Neuroprotective effect of water-dispersible hesperetin in retinal ischemia reperfusion injury. <i>Japanese Journal of Ophthalmology</i> , 2016 , 60, 51-61	2.6	30
69	Redistribution of Na-K-ATPase in the dystrophic rat retinal pigment epithelium. <i>Journal of Neurocytology</i> , 1984 , 13, 895-910		30
68	l-Citrulline Protects from Kidney Damage in Type 1 Diabetic Mice. <i>Frontiers in Immunology</i> , 2013 , 4, 480	8.4	29
67	Arginase 2 deficiency prevents oxidative stress and limits hyperoxia-induced retinal vascular degeneration. <i>PLoS ONE</i> , 2014 , 9, e110604	3.7	29
66	Mechanisms of Diabetes-Induced Endothelial Cell Senescence: Role of Arginase 1. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	28
65	NAD(P)H oxidase-dependent regulation of CCL2 production during retinal inflammation 2009 , 50, 3033-40		28
64	Freeze-fracture study of filipin binding in photoreceptor outer segments and pigment epithelium of dystrophic and normal retinas. <i>Journal of Comparative Neurology</i> , 1985 , 236, 523-37	3.4	28
63	Photoreceptor-specific activity of the human interphotoreceptor retinoid-binding protein (IRBP) promoter in transgenic mice. <i>Experimental Eye Research</i> , 1992 , 55, 225-33	3.7	27
62	Lanthanum and freeze-fracture studies of retinal pigment epithelial cell junctions in the streptozotocin diabetic rat. <i>Current Eye Research</i> , 1985 , 4, 215-27	2.9	26
61	Arginase 1 promotes retinal neurovascular protection from ischemia through suppression of macrophage inflammatory responses. <i>Cell Death and Disease</i> , 2018 , 9, 1001	9.8	26
60	Endothelial nitric oxide synthase interactions with G-protein-coupled receptors. <i>Biochemical Journal</i> , 1999 , 343, 335	3.8	25

59	Retinal Neuroprotection From Optic Nerve Trauma by Deletion of Arginase 2. <i>Frontiers in Neuroscience</i> , 2018 , 12, 970	5.1	24
58	Akita spontaneously type 1 diabetic mice exhibit elevated vascular arginase and impaired vascular endothelial and nitergic function. <i>PLoS ONE</i> , 2013 , 8, e72277	3.7	23
57	A quantitative study of intramembrane changes during cell junctional breakdown in the dystrophic rat retinal pigment epithelium. <i>Experimental Cell Research</i> , 1984 , 150, 104-17	4.2	23
56	Hyperoxia therapy of pre-proliferative ischemic retinopathy in a mouse model 2011 , 52, 6384-95		22
55	Hyperoxia causes regression of vitreous neovascularization by downregulating VEGF/VEGFR2 pathway 2013 , 54, 918-31		21
54	Obesity-induced vascular inflammation involves elevated arginase activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 313, R560-R571	3.2	21
53	Extracellular signal-regulated kinase (ERK) inhibition decreases arginase activity and improves corpora cavernosal relaxation in streptozotocin (STZ)-induced diabetic mice. <i>Journal of Sexual Medicine</i> , 2011 , 8, 3335-44	1.1	20
52	Arginase inhibition enhances angiogenesis in endothelial cells exposed to hypoxia. <i>Microvascular Research</i> , 2015 , 98, 1-8	3.7	19
51	Diabetes-induced superoxide anion and breakdown of the blood-retinal barrier: role of the VEGF/uPAR pathway. <i>PLoS ONE</i> , 2013 , 8, e71868	3.7	19
50	Glycolysis links reciprocal activation of myeloid cells and endothelial cells in the retinal angiogenic niche. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	18
49	Deregulation of arginase induces bone complications in high-fat/high-sucrose diet diabetic mouse model. <i>Molecular and Cellular Endocrinology</i> , 2016 , 422, 211-220	4.4	17
48	Pharmacological Inhibition of Spermine Oxidase Reduces Neurodegeneration and Improves Retinal Function in Diabetic Mice. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	16
47	Angiotensin II-induced arterial thickening, fibrosis and stiffening involves elevated arginase function. <i>PLoS ONE</i> , 2015 , 10, e0121727	3.7	16
46	Netrin-1 is a novel regulator of vascular endothelial function in diabetes. <i>PLoS ONE</i> , 2017 , 12, e0186734	3.7	16
45	Activation of the endothelin system mediates pathological angiogenesis during ischemic retinopathy. <i>American Journal of Pathology</i> , 2014 , 184, 3040-51	5.8	15
44	Pigment epithelial cell changes precede vascular transformations in the dystrophic rat retina. <i>Experimental Eye Research</i> , 1991 , 53, 787-98	3.7	15
43	Arginase Pathway in Acute Retina and Brain Injury: Therapeutic Opportunities and Unexplored Avenues. <i>Frontiers in Pharmacology</i> , 2020 , 11, 277	5.6	15
42	Chronic mild stress induced anxiety-like behaviors can Be attenuated by inhibition of NOX2-derived oxidative stress. <i>Journal of Psychiatric Research</i> , 2019 , 114, 55-66	5.2	14

41	Hyperglycemia-impaired aortic vasorelaxation mediated through arginase elevation: Role of stress kinase pathways. <i>European Journal of Pharmacology</i> , 2019 , 844, 26-37	5.3	12
40	Targeting Polyamine Oxidase to Prevent Excitotoxicity-Induced Retinal Neurodegeneration. <i>Frontiers in Neuroscience</i> , 2018 , 12, 956	5.1	12
39	Vasoactive intestinal polypeptide-containing nerve fibers are increased in abundance in the choroid of dystrophic RCS rats. <i>Current Eye Research</i> , 1992 , 11, 501-15	2.9	11
38	The retinal microvasculature of spontaneously diabetic BB rats: structure and luminal surface properties. <i>Microvascular Research</i> , 1990 , 39, 15-27	3.7	11
37	The choriocapillaris in spontaneously diabetic rats. <i>Microvascular Research</i> , 1991 , 42, 229-44	3.7	11
36	Neurofibromin Deficiency Induces Endothelial Cell Proliferation and Retinal Neovascularization 2018 , 59, 2520-2528		9
35	Lectin-ferritin binding on spontaneously diabetic and control rat retinal microvasculature. <i>Current Eye Research</i> , 1989 , 8, 271-83	2.9	8
34	Vascular and endothelial actions of inhibitors of substance P amidation. <i>Journal of Cardiovascular Pharmacology</i> , 2000 , 35, 871-80	3.1	8
33	Is the Arginase Pathway a Novel Therapeutic Avenue for Diabetic Retinopathy?. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	7
32	Blockade of VEGF-induced GSK3 β /Eatenin signaling, uPAR expression and increased permeability by dominant negative p38 α <i>Experimental Eye Research</i> , 2012 , 100, 101-8	3.7	7
31	Role of Arginase 2 in Systemic Metabolic Activity and Adipose Tissue Fatty Acid Metabolism in Diet-Induced Obese Mice. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
30	Role of Arginase 2 in Murine Retinopathy Associated with Western Diet-Induced Obesity. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	6
29	Utility of LysM-cre and Cdh5-cre Driver Mice in Retinal and Brain Research: An Imaging Study Using tdTomato Reporter Mouse 2020 , 61, 51		6
28	Blockade of TREM-1 prevents vitreoretinal neovascularization in mice with oxygen-induced retinopathy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 2761-2768	6.9	5
27	Deletion of Arginase 2 Ameliorates Retinal Neurodegeneration in a Mouse Model of Multiple Sclerosis. <i>Molecular Neurobiology</i> , 2019 , 56, 8589-8602	6.2	5
26	Filipin and digitonin studies of cell membrane changes during junction breakdown in the dystrophic rat retinal pigment epithelium. <i>Current Eye Research</i> , 1987 , 6, 515-26	2.9	5
25	Quantitative freeze-fracture and filipin-binding study of retinal pigment epithelial-cell basal membranes in diabetic rats. <i>Experimental Eye Research</i> , 1987 , 44, 245-59	3.7	5
24	Effects of hypoxia on glial cell expression of angiogenesis-regulating factors VEGF and TGF- β 1998 , 24, 216		4

23	Cysteine oxidation of copper transporter CTR1 drives VEGFR2 signalling and angiogenesis.. <i>Nature Cell Biology</i> , 2022 , 24, 35-50	23.4	3
22	Protection against Doxorubicin-Induced Cardiotoxicity through Modulating iNOS/ARG 2 Balance by Electroacupuncture at PC6. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 6628957	6.7	3
21	Oxidative stress inactivates VEGF survival signaling in retinal endothelial cells via PI 3-kinase tyrosine nitration. <i>Journal of Cell Science</i> , 2016 , 129, 3203	5.3	3
20	Preclinical investigation of Pegylated arginase 1 as a treatment for retina and brain injury. <i>Experimental Neurology</i> , 2021 , 348, 113923	5.7	2
19	Peroxynitrite and Hydrogen Peroxide Increase Arginase Activity through the RhoA/Rho Kinase (RAK) Pathway. <i>FASEB Journal</i> , 2010 , 24, 959.4	0.9	2
18	Deletion of arginase 2 attenuates neuroinflammation in an experimental model of optic neuritis. <i>PLoS ONE</i> , 2021 , 16, e0247901	3.7	2
17	Endothelial arginase 2 mediates retinal ischemia/reperfusion injury by inducing mitochondrial dysfunction. <i>Molecular Metabolism</i> , 2021 , 53, 101273	8.8	2
16	Dual role of peroxynitrite in oxygen-induced retinopathy: oxidation versus nitration. <i>FASEB Journal</i> , 2006 , 20, A1084	0.9	1
15	Diabetes-induced arginase activity contributes to vascular and renal fibrosis and dysfunction. <i>FASEB Journal</i> , 2008 , 22, 643-643	0.9	1
14	Activation of the arginase 1/ornithine pathway suppresses ischemia/reperfusion-induced neuronal injury by suppressing HDAC3. <i>FASEB Journal</i> , 2019 , 33, 500.8	0.9	1
13	Arginase 2 Overexpression Aggravates Ischemic Injury in Retinal Vascular Endothelial Cells. <i>FASEB Journal</i> , 2019 , 33, 677.11	0.9	1
12	Arginase II Deletion Improves Diabetes-Induced Neurogenic and Endothelial Dysfunction in Mice Corpora Cavernosa. <i>FASEB Journal</i> , 2010 , 24, 1b514	0.9	1
11	Novel Therapeutics for Diabetic Retinopathy and Diabetic Macular Edema: A Pathophysiologic Perspective.. <i>Frontiers in Physiology</i> , 2022 , 13, 831616	4.6	0
10	Critical role of arginase 2 in obesity-induced metabolic dysregulation in female mice: Implication of macrophage inflammatory response. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
9	Simvastatin Improves Diabetes-Induced Coronary Endothelial Dysfunction Through Superoxide Reduction. <i>FASEB Journal</i> , 2006 , 20, A1110	0.9	
8	Oxidative Stress in Diabetic Retinopathy 2008 , 217-242		
7	Angiotensin and thrombin-induced endothelial dysfunction involves RhoA activation and elevated arginase activity. <i>FASEB Journal</i> , 2008 , 22, 910.2	0.9	
6	Obesity-induced metabolic and vascular dysregulation: Implication of arginase. <i>FASEB Journal</i> , 2019 , 33, 514.9	0.9	

- 5 Treatment with polyamine oxidase inhibitor reduced neurodegeneration and improved retinal function in diabetic mice. *FASEB Journal*, **2019**, 33, 501.17 0.9
- 4 Angiotensin II elevates endothelial arginase activity via RhoA/MAPK pathways. *FASEB Journal*, **2009**, 23, 935.1 0.9
- 3 Role of diabetes induced arginase in coronary vascular proliferation, enhanced collagen formation and fibrosis. *FASEB Journal*, **2011**, 25, lb372 0.9
- 2 High glucose limits NO production through ATF-2 and c-Jun transcriptional regulation of Arginase. *FASEB Journal*, **2012**, 26, lb524 0.9
- 1 Diabetes/high glucose induced arginase increases arterial smooth muscle cell proliferation and collagen synthesis/fibrosis through ornithine decarboxylase and ornithine aminotransferase pathways. *FASEB Journal*, **2013**, 27, 651.2 0.9