Jennifer Louise A Wilkinson-Berka

List of Publications by Year
in descending order

117	6,128	57758	79698
papers	citations	44 h-index	73 g-index

120	120	120	5971
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mesenchymal Stem Cells Deliver Exogenous MicroRNA-let7c via Exosomes to Attenuate Renal Fibrosis. Molecular Therapy, 2016, 24, 1290-1301.	8.2	286
2	Retinal Neovascularization Is Prevented by Blockade of the Renin-Angiotensin System. Hypertension, 2000, 36, 1099-1104.	2.7	216
3	Neuronal and Glial Cell Abnormality as Predictors of Progression of Diabetic Retinopathy. Current Pharmaceutical Design, 2007, 13, 2699-2712.	1.9	182
4	Angiotensin converting enzyme inhibition reduces retinal overexpression of vascular endothelial growth factor and hyperpermeability in experimental diabetes. Diabetologia, 2000, 43, 1360-1367.	6.3	173
5	Protein Kinase C Î² Inhibition Attenuates the Progression of Experimental Diabetic Nephropathy in the Presence of Continued Hypertension. Diabetes, 2003, 52, 512-518.	0.6	173
6	A new model of diabetic nephropathy with progressive renal impairment in the transgenic (mRen-2)27 rat (TGR). Kidney International, 1998, 54, 343-352.	5.2	153
7	Identification of a Retinal Aldosterone System and the Protective Effects of Mineralocorticoid Receptor Antagonism on Retinal Vascular Pathology. Circulation Research, 2009, 104, 124-133.	4.5	147
8	Podocyte foot process broadening in experimental diabetic nephropathy: amelioration with renin-angiotensin blockade. Diabetologia, 2001, 44, 878-882.	6.3	137
9	Angiotensin and diabetic retinopathy. International Journal of Biochemistry and Cell Biology, 2006, 38, 752-765.	2.8	136
10	Pathological Expression of Renin and Angiotensin II in the Renal Tubule after Subtotal Nephrectomy. American Journal of Pathology, 1999, 155, 429-440.	3.8	132
11	Retinal Angiogenesis Is Mediated by an Interaction between the Angiotensin Type 2 Receptor, VEGF, and Angiopoietin. American Journal of Pathology, 2003, 163, 879-887.	3.8	130
12	Vasoactive Factors and Diabetic Retinopathy: Vascular Endothelial Growth Factor, Cycoloxygenase-2 and Nitric Oxide. Current Pharmaceutical Design, 2004, 10, 3331-3348.	1.9	124
13	The reninâ€“angiotensin system in retinal health and disease: Its influence on neurons, glia and the vasculature. Progress in Retinal and Eye Research, 2010, 29, 284-311.	15.5	123
14	Oxidative stress and reactive oxygen species: a review of their role in ocular disease. Clinical Science, 2017, 131, 2865-2883.	4.3	122
15	Reactive oxygen species, Nox and angiotensin II in angiogenesis: implications for retinopathy. Clinical Science, 2013, 124, 597-615.	4.3	120
16	Inhibition of Platelet-Derived Growth Factor Promotes Pericyte Loss and Angiogenesis in Ischemic Retinopathy. American Journal of Pathology, 2004, 164, 1263-1273.	3.8	108
17	Oxidative Stress, Nox Isoforms and Complications of Diabetesâ€”Potential Targets for Novel Therapies. Journal of Cardiovascular Translational Research, 2012, 5, 509-518.	2.4	104
18	NADPH Oxidase, NOX1, Mediates Vascular Injury in Ischemic Retinopathy. Antioxidants and Redox Signaling, 2014, 20, 2726-2740.	5.4	104

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19	Tranilast attenuates cardiac matrix deposition in experimental diabetes: role of transforming growth factor-?. Cardiovascular Research, 2005, 65, 694-701.	3.8	102
20	The Renin-Angiotensin System Influences Ocular Endothelial Cell Proliferation in Diabetes. American Journal of Pathology, 2003, 162, 151-160.	3.8	100
21	Dysfunction of retinal neurons and glia during diabetes. Australasian journal of optometry, The, 2005, 88, 132-145.	1.3	100
22	Characterization of retinal function and glial cell response in a mouse model of oxygenâ€induced retinopathy. Journal of Comparative Neurology, 2011, 519, 506-527.	1.6	99
23	COX-2 Inhibition and Retinal Angiogenesis in a Mouse Model of Retinopathy of Prematurity. , 2003, 44, 974.		98
24	Effects of endothelin or angiotensin II receptor blockade on diabetes in the transgenic (mRen-2)27 rat. Kidney International, 2000, 57, 1882-1894.	5.2	96
25	Candesartan Attenuates Diabetic Retinal Vascular Pathology by Restoring Glyoxalase-I Function. Diabetes, 2010, 59, 3208-3215.	0.6	95
26	ALT-946 and Aminoguanidine, Inhibitors of Advanced Glycation, Improve Severe Nephropathy in the Diabetic Transgenic (mREN-2)27 Rat. Diabetes, 2002, 51, 3283-3289.	0.6	95
27	AT₁ receptor inhibition prevents astrocyte degeneration and restores vascular growth in oxygenâ€induced retinopathy. Glia, 2008, 56, 1076-1090.	4.9	88
28	The Role of Growth Hormone, Insulin-Like Growth Factor and Somatostatin in Diabetic Retinopathy. Current Medicinal Chemistry, 2006, 13, 3307-3317.	2.4	87
29	Renal expression of transforming growth factor-Î² inducible gene-h3 (Î²ig-h3) in normal and diabetic rats. Kidney International, 1998, 54, 1052-1062.	5.2	79
30	Attenuation of tubular apoptosis by blockade of the renin-angiotensin system in diabetic Ren-2 rats. Kidney International, 2002, 61, 31-39.	5.2	76
31	The reninâ€“angiotensin system and the longâ€term complications of diabetes: pathophysiological and therapeutic considerations. Diabetic Medicine, 2003, 20, 607-621.	2.3	75
32	Are reactive oxygen species still the basis for diabetic complications?. Clinical Science, 2015, 129, 199-216.	4.3	74
33	The retinal reninâ€“angiotensin system: Roles of angiotensin II and aldosterone. Peptides, 2012, 36, 142-150.	2.4	72
34	The Renin-Angiotensin System and the Developing Retinal Vasculature. , 2005, 46, 1069.		65
35	Inhibition of NOX1/4 with GKT137831: a potential novel treatment to attenuate neuroglial cell inflammation in the retina. Journal of Neuroinflammation, 2015, 12, 136.	7.2	65
36	Foxp3+ Tregs are recruited to the retina to repair pathological angiogenesis. Nature Communications, 2017, 8, 748.	12.8	63

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37	RILLKKMPSV Influences the Vasculature, Neurons and Glia, and (Pro)Renin Receptor Expression in the Retina. Hypertension, 2010, 55, 1454-1460.	2.7	61
38	Neovascularization Is Attenuated With Aldosterone Synthase Inhibition in Rats With Retinopathy. Hypertension, 2012, 59, 607-613.	2.7	61
39	Nrf2 Activation Is a Potential Therapeutic Approach to Attenuate Diabetic Retinopathy. , 2018, 59, 815.		58
40	Progression of tubulointerstitial injury by osteopontin-induced macrophage recruitment in advanced diabetic nephropathy of transgenic (mRen-2)27 rats. Nephrology Dialysis Transplantation, 2002, 17, 985-991.	0.7	57
41	Retinal Dysfunction in Diabetic Ren-2 Rats Is Ameliorated by Treatment with Valsartan but Not Atenolol. , 2007, 48, 927.		57
42	Neuronal and glial cell changes are determined by retinal vascularization in retinopathy of prematurity. Journal of Comparative Neurology, 2007, 504, 404-417.	1.6	57
43	Neuronal and glial cell expression of angiotensin II type 1 (AT1) and type 2 (AT2) receptors in the rat retina. Neuroscience, 2009, 161, 195-213.	2.3	56
44	SB-267268, a Nonpeptidic Antagonist of Î±vÎ²3and Î±vÎ²5Integrins, Reduces Angiogenesis and VEGF Expression in a Mouse Model of Retinopathy of Prematurity. , 2006, 47, 1600.		53
45	The significance of neuronal and glial cell changes in the rat retina during oxygen-induced retinopathy. Documenta Ophthalmologica, 2010, 120, 67-86.	2.2	53
46	Increased bradykinin and â€œnormalâ€•angiotensin peptide levels in diabetic Sprague-Dawley and transgenic (mRen-2)27 rats. Kidney International, 1999, 56, 211-221.	5.2	52
47	Intervention with Tranilast Attenuates Renal Pathology and Albuminuria in Advanced Experimental Diabetic Nephropathy. Nephron Physiology, 2003, 95, p83-p91.	1.2	52
48	Valsartan but not Atenolol Improves Vascular Pathology in Diabetic Ren-2 Rat Retina. American Journal of Hypertension, 2007, 20, 423-430.	2.0	52
49	Angiotensin and Bradykinin: Targets for the Treatment of Vascular and Neuro-Glial Pathology in Diabetic Retinopathy. Current Pharmaceutical Design, 2004, 10, 3313-3330.	1.9	44
50	Angiotensin typeâ€1 receptor inhibition is neuroprotective to amacrine cells in a rat model of retinopathy of prematurity. Journal of Comparative Neurology, 2010, 518, 41-63.	1.6	44
51	Nox (NADPH Oxidase) 1, Nox4, and Nox5 Promote Vascular Permeability and Neovascularization in Retinopathy. Hypertension, 2020, 75, 1091-1101.	2.7	42
52	Deleting the BAFF receptor TACI protects against systemic lupus erythematosus without extensive reduction of B cell numbers. Journal of Autoimmunity, 2015, 61, 9-16.	6.5	41
53	Inhibition of the Nuclear Receptor RORÎ³ and Interleukin-17A Suppresses Neovascular Retinopathy. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1186-1196.	2.4	41
54	Renoprotective and antiâ€hypertensive effects of combined valsartan and perindopril in progressive diabetic nephropathy in the transgenic (mRenâ€2)27 rat. Nephrology Dialysis Transplantation, 2001, 16, 1343-1349.	0.7	40

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55	Lack of the Antioxidant Glutathione Peroxidase-1 (GPx1) Exacerbates Retinopathy of Prematurity in Mice. , 2013, 54, 555.		40
56	Ebselen by modulating oxidative stress improves hypoxia-induced macroglial MÃ¼ller cell and vascular injury in the retina. Experimental Eye Research, 2015, 136, 1-8.	2.6	38
57	Localization of Secreted Protein Acidic and Rich in Cysteine (SPARC) Expression in the Rat Eye. Connective Tissue Research, 1999, 40, 295-303.	2.3	37
58	Luteinizing Hormone/Chorionic Gonadotropin Bioactivity in the Common Marmoset (Callithrixjacchus) is Due to a Chorionic Gonadotropin Molecule with a Structure Intermediate between Human Chorionic Gonadotropin and Human Luteinizing Hormone. Biology of Reproduction, 1995, 53, 380-389.	2.7	34
59	Diabetes and retinal vascular disorders: role of the reninâ€“angiotensin system. Expert Reviews in Molecular Medicine, 2004, 6, 1-18.	3.9	34
60	Angiotensin II and aldosterone in retinal vasculopathy and inflammation. Experimental Eye Research, 2019, 187, 107766.	2.6	34
61	Localization of mRNAs for insulin-like growth factor binding proteins 1 to 6 in rat kidney. Kidney International, 1995, 48, 402-411.	5.2	32
62	Update on the Treatment of Diabetic Retinopathy. Scientific World Journal, The, 2008, 8, 98-120.	2.1	32
63	Brain and retinal microglia in health and disease: An unrecognized target of the reninâ€“angiotensin system. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 571-579.	1.9	32
64	Aliskiren reduces vascular pathology in diabetic retinopathy and oxygen-induced retinopathy in the transgenic (mRen-2)27 rat. Diabetologia, 2011, 54, 2724-2735.	6.3	31
65	A potent Nrf2 activator, dh404, bolsters antioxidant capacity in glial cells and attenuates ischaemic retinopathy. Clinical Science, 2016, 130, 1375-1387.	4.3	27
66	The Interaction between the Renin-Angiotensin System and Vascular Endothelial Growth Factor in the Pathogenesis of Retinal Neovascularization in Diabetes. Journal of Vascular Research, 2001, 38, 527-535.	1.4	26
67	Renin processing studied by immunogold localization of prorenin and renin in granular juxtaglomerular cells in mice treated with enalapril. Cell and Tissue Research, 1992, 268, 141-148.	2.9	25
68	Adrenaline cells of the rat adrenal cortex and medulla contain renin and prorenin. Molecular and Cellular Endocrinology, 1996, 119, 175-184.	3.2	25
69	Effect of NADPH oxidase 1 and 4 blockade in activated human retinal endothelial cells. Clinical and Experimental Ophthalmology, 2018, 46, 652-660.	2.6	25
70	Fas-induced apoptosis is a feature of progressive diabetic nephropathy in transgenic (mRen-2)27 rats: Attenuation with renin-angiotensin blockade. Nephrology, 2004, 9, 7-13.	1.6	24
71	Omega-3 polyunsaturated fatty acid supplementation reduces hypertension in TGR(mRen-2)27 rats. Prostaglandins Leukotrienes and Essential Fatty Acids, 2008, 78, 67-72.	2.2	24
72	VEGF-D promotes pulmonary oedema in hyperoxic acute lung injury. Journal of Pathology, 2016, 239, 152-161.	4.5	24

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73	Renin processing and secretion in adrenal and retina of transgenic (mREN-2)27 rats. Kidney International, 1994, 46, 1583-1587.	5.2	23
74	Retinal Vasculopathy Is Reduced by Dietary Salt Restriction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2033-2041.	2.4	22
75	Prorenin stimulates a proâ€angiogenic and proâ€inflammatory response in retinal endothelial cells and an M1 phenotype in retinal microglia. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 537-548.	1.9	22
76	Characterisation of a thymic reninâ€“angiotensin system in the transgenic m(Ren-2)27 rat. Molecular and Cellular Endocrinology, 2002, 194, 201-209.	3.2	20
77	Light-microscopic immunolocalization of fibroblast growth factor-1 and -2 in adult rat kidney. Cell and Tissue Research, 1996, 285, 179-187.	2.9	19
78	Angiotensin II and aldosterone activate retinal microglia. Experimental Eye Research, 2020, 191, 107902.	2.6	19
79	Control of renin secretion from adrenal gland in transgenic Ren-2 and normal rats. Molecular and Cellular Endocrinology, 2001, 173, 203-212.	3.2	18
80	Expression of the IGF System in Normal and Diabetic Transgenic (mRen-2)27 Rat Eye. , 2005, 46, 2708.		18
81	Endothelin-2 Injures the Bloodâ€“Retinal Barrier and Macroglial MÃ¼ller Cells. American Journal of Pathology, 2018, 188, 805-817.	3.8	17
82	Effects of Low-Dose and Early versus Late Perindopril Treatment on the Progression of Severe Diabetic Nephropathy in (mREN-2)27 Rats. Journal of the American Society of Nephrology: JASN, 2002, 13, 684-692.	6.1	17
83	Cell-specific regulation of mRNAs for IGF-I and IGF-binding proteins-4 and -5 in streptozotocin-diabetic rat kidney. Journal of Molecular Endocrinology, 1997, 18, 5-14.	2.5	16
84	Angiotensin II influences ovarian follicle development in the transgenic (mRen-2)27 and Sprague-Dawley rat. Journal of Endocrinology, 2004, 180, 311-324.	2.6	16
85	Limiting Neuronal Nogo Receptor 1 Signaling during Experimental Autoimmune Encephalomyelitis Preserves Axonal Transport and Abrogates Inflammatory Demyelination. Journal of Neuroscience, 2019, 39, 5562-5580.	3.6	16
86	Prorenin and the (Pro)renin Receptor in Ocular Pathology. American Journal of Pathology, 2008, 173, 1591-1594.	3.8	15
87	The Vasoneuronal Effects of AT₁Receptor Blockade in a Rat Model of Retinopathy of Prematurity. , 2014, 55, 3957.		15
88	The Renin-Angiotensin System and Advanced Glycation End-Products in Diabetic Retinopathy: Impacts and Synergies.. Current Clinical Pharmacology, 2013, 8, 285-296.	0.6	15
89	An antisense oligonucleotide targeting the growth hormone receptor inhibits neovascularization in a mouse model of retinopathy. Molecular Vision, 2007, 13, 1529-38.	1.1	15
90	FT011, a Novel Cardiorenal Protective Drug, Reduces Inflammation, Gliosis and Vascular Injury in Rats with Diabetic Retinopathy. PLoS ONE, 2015, 10, e0134392.	2.5	14

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91	Prorenin and the pro renin receptor do they have a pathogenic role in the retina. Frontiers in Bioscience - Elite, 2010, E2, 1054-1064.	1.8	13
92	Prorenin and the (pro)renin receptor: recent advances and implications for retinal development and disease. Current Opinion in Nephrology and Hypertension, 2011, 20, 69-76.	2.0	13
93	Regulation of angiotensin II receptors in the prostate of the transgenic (mRen-2)27 rat: effect of angiotensin-converting enzyme inhibition. International Journal of Biochemistry and Cell Biology, 2003, 35, 973-983.	2.8	12
94	Cardiorenal Protective Effects of Vasopeptidase Inhibition with Omapatrilat in Hypertensive Transgenic (mRENâ€2)27 Rats. Clinical and Experimental Hypertension, 2004, 26, 69-80.	1.3	12
95	Renin processing in cultured juxtaglomerular cells of the hydronephrotic mouse kidney.. Journal of Histochemistry and Cytochemistry, 1993, 41, 365-373.	2.5	11
96	Localization studies of IGFBP-2 and IGFBP-5 in the anterior compartment of the eye. Current Eye Research, 1997, 16, 256-262.	1.5	10
97	(Pro)renin Receptor: A Treatment Target for Diabetic Retinopathy?. Diabetes, 2009, 58, 1485-1487.	0.6	10
98	Intravitreal administration of endothelin type A receptor or endothelin type B receptor antagonists attenuates hypertensive and diabetic retinopathy in rats. Experimental Eye Research, 2018, 176, 1-9.	2.6	9
99	Lung and Eye Disease Develop Concurrently in Supplemental Oxygenâ€“Exposed Neonatal Mice. American Journal of Pathology, 2020, 190, 1801-1812.	3.8	9
100	Renin in thymus, gut, hindlimb, and adrenal of (mRen-2)27 and normal rats: secretion and content studies. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E639-E646.	3.5	8
101	Differential distribution of mRNA for the Î±- and Î²-subunits of chorionic gonadotrophin in the implantation stage blastocyst of the marmoset monkey. Placenta, 1995, 16, 335-346.	1.5	7
102	Angiotensin II and aldosterone: Co-conspirators in ocular physiology and disease. Experimental Eye Research, 2020, 194, 108005.	2.6	7
103	Production of rat renin fusion protein in Escherichia coli and the preparation of renin-specific antisera. Molecular and Cellular Endocrinology, 1990, 73, 83-91.	3.2	5
104	Renin Inhibition. Hypertension, 2005, 46, 471-472.	2.7	5
105	Tetraspanin CD82 restrains phagocyte migration but supports macrophage activation. IScience, 2022, 25, 104520.	4.1	5
106	Progressive diabetic nephropathy in the Ren-2 rat. American Journal of Physiology - Renal Physiology, 2007, 292, F1662-F1662.	2.7	4
107	Angiotensin and Renal Fibrosis. , 2001, 135, 171-186.		3
108	Potassium control of extrarenal renin secretion in transgenic (mRen-2)27 and normal rats. American Journal of Physiology - Endocrinology and Metabolism, 1999, 277, E631-E638.	3.5	2

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109	The potential of anti-VEGF (Vasotide) by eye drops to treat proliferative retinopathies. Annals of Translational Medicine, 2016, 4, S41-S41.	1.7	2
110	Diabetic renal failure and associated pathology are ameliorated by Perindopril treatment in transgenic Ren-2 rats. Experimental and Clinical Endocrinology and Diabetes, 1997, 105, 64-64.	1.2	0
111	Sandford Lloyd Skinner (1933â€“2005). Hypertension, 2005, 46, 452-453.	2.7	0
112	Editorial [Hot Topic: Pathogenesis and Treatment of Diabetic Complications,Retinopathy, Nephropathy and Cardiomyopathy (Executive Editor: J.L. Wilkinson-Berka)]. Current Pharmaceutical Design, 2007, 13, 2698-2698.	1.9	0
113	Prorenin and the (Pro)renin Receptor in Retinal Pathology. Current Hypertension Reviews, 2009, 5, 245-250.	0.9	0
114	1030 ACTIVATION OF RETINAL MICROGLIA IS ATTENUATED WITH ANGIOTENSIN II AND ALDOSTERONE BLOCKADE. Journal of Hypertension, 2012, 30, e300.	0.5	0
115	Protective role for Epidermal Growth Factor in Advanced Diabetic Nephropathy of Transgenic (mRenâ€2)27 rats. Nephrology, 2000, 5, A102-A102.	1.6	0
116	Protective role for Epidermal Growth Factor in Advanced Diabetic Nephropathy of Transgenic (mRenâ€2)27 rats. Nephrology, 2000, 5, A102-A102.	1.6	0
117	Preface [HotTopic: Cytokine Therapies for Diabetic Microvascular Complications (Executive Editor: J.L.) Tj ETQq1 1 0.784314 rgBT /Ov	1.9	0