

Subrata Chakrabarti

List of Publications by Citations

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213
papers

8,712
citations

57
h-index

84
g-index

236
ext. papers

9,583
ext. citations

4.9
avg. IF

6.11
L-index

#	Paper	IF	Citations
213	Long non-coding RNA MALAT1 regulates hyperglycaemia induced inflammatory process in the endothelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1418-25	5.6	274
212	MicroRNA-200b regulates vascular endothelial growth factor-mediated alterations in diabetic retinopathy. <i>Diabetes</i> , 2011 , 60, 1314-23	0.9	260
211	Diabetes-induced activation of nuclear transcriptional factor in the retina, and its inhibition by antioxidants. <i>Free Radical Research</i> , 2003 , 37, 1169-80	4	195
210	miR-146a-Mediated extracellular matrix protein production in chronic diabetes complications. <i>Diabetes</i> , 2011 , 60, 2975-84	0.9	159
209	Genotypic/phenotypic correlations in genetic hemochromatosis: evolution of diagnostic criteria. <i>Gastroenterology</i> , 1998 , 114, 319-23	13.3	158
208	miR133a regulates cardiomyocyte hypertrophy in diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2010 , 26, 40-9	7.5	155
207	Polymorphism in intron 4 of HFE may cause overestimation of C282Y homozygote prevalence in haemochromatosis. <i>Nature Genetics</i> , 1999 , 22, 325-6	36.3	151
206	Apoptotic germ-cell death and testicular damage in experimental diabetes: prevention by endothelin antagonism. <i>Urological Research</i> , 2000 , 28, 342-7		144
205	Curcumin prevents diabetes-associated abnormalities in the kidneys by inhibiting p300 and nuclear factor-kappaB. <i>Nutrition</i> , 2009 , 25, 964-72	4.8	143
204	Cardiac miR-133a overexpression prevents early cardiac fibrosis in diabetes. <i>Journal of Cellular and Molecular Medicine</i> , 2014 , 18, 415-21	5.6	137
203	High glucose induced alteration of SIRT1 in endothelial cells causes rapid aging in a p300 and FOXO regulated pathway. <i>PLoS ONE</i> , 2013 , 8, e54514	3.7	134
202	Transcriptional coactivator p300 regulates glucose-induced gene expression in endothelial cells. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E127-37	6	125
201	Recurrent hepatocellular carcinoma after transplantation: use of a pathological score on explanted livers to predict recurrence. <i>Liver Transplantation</i> , 2007 , 13, 543-51	4.5	125
200	Differential activation of NF-kappa B and AP-1 in increased fibronectin synthesis in target organs of diabetic complications. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 284, E1089-97	6	120
199	Curcumin protects hearts from FFA-induced injury by activating Nrf2 and inactivating NF-B both in vitro and in vivo. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 79, 1-12	5.8	118
198	Diabetes-induced vascular dysfunction in the retina: role of endothelins. <i>Diabetologia</i> , 1999 , 42, 1228-34	10.3	117
197	miR-195 regulates SIRT1-mediated changes in diabetic retinopathy. <i>Diabetologia</i> , 2014 , 57, 1037-46	10.3	113

196	Diabetes-induced myocardial structural changes: role of endothelin-1 and its receptors. <i>Journal of Molecular and Cellular Cardiology</i> , 2000 , 32, 1621-9	5.8	111
195	Localization of the sites of synthesis and action of insulin-like growth factor-I in the rat uterus. <i>Molecular Endocrinology</i> , 1990 , 4, 191-5		107
194	High glucose-induced, endothelin-dependent fibronectin synthesis is mediated via NF-kappa B and AP-1. <i>American Journal of Physiology - Cell Physiology</i> , 2003 , 284, C263-72	5.4	102
193	Population screening for hemochromatosis: a comparison of unbound iron-binding capacity, transferrin saturation, and C282Y genotyping in 5,211 voluntary blood donors. <i>Hepatology</i> , 2000 , 31, 1160-4	11.2	100
192	ANRIL: A Regulator of VEGF in Diabetic Retinopathy 2017 , 58, 470-480		98
191	Aldose reductase in the BB rat: isolation, immunological identification and localization in the retina and peripheral nerve. <i>Diabetologia</i> , 1987 , 30, 244-51	10.3	98
190	Preventive effect of long-term aldose reductase inhibition (ponalrestat) on nerve conduction and sural nerve structure in the spontaneously diabetic Bio-Breeding rat. <i>Journal of Clinical Investigation</i> , 1990 , 85, 1410-20	15.9	96
189	Heme oxygenase in diabetes-induced oxidative stress in the heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2003 , 35, 1439-48	5.8	94
188	Sitagliptin in patients with non-alcoholic steatohepatitis: A randomized, placebo-controlled trial. <i>World Journal of Gastroenterology</i> , 2017 , 23, 141-150	5.6	90
187	Mitotic chromosome condensation mediated by the retinoblastoma protein is tumor-suppressive. <i>Genes and Development</i> , 2010 , 24, 1351-63	12.6	90
186	A rapid ischemia-induced apoptosis in isolated rat hearts and its attenuation by the sodium-hydrogen exchange inhibitor HOE 642 (cariporide). <i>Journal of Molecular and Cellular Cardiology</i> , 1997 , 29, 3169-74	5.8	90
185	Endothelin receptor blockade prevents augmented extracellular matrix component mRNA expression and capillary basement membrane thickening in the retina of diabetic and galactose-fed rats. <i>Diabetes</i> , 2000 , 49, 662-6	0.9	89
184	Noninvasive prediction of cirrhosis in C282Y-linked hemochromatosis. <i>Hepatology</i> , 2002 , 36, 673-8	11.2	85
183	Leptin induces vascular smooth muscle cell hypertrophy through angiotensin II- and endothelin-1-dependent mechanisms and mediates stretch-induced hypertrophy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005 , 315, 1075-84	4.7	85
182	Regulation of cardiomyocyte hypertrophy in diabetes at the transcriptional level. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E1119-26	6	84
181	Diabetes-induced extracellular matrix protein expression is mediated by transcription coactivator p300. <i>Diabetes</i> , 2006 , 55, 3104-11	0.9	84
180	lncRNA H19 prevents endothelial-mesenchymal transition in diabetic retinopathy. <i>Diabetologia</i> , 2019 , 62, 517-530	10.3	82
179	MALAT1: An Epigenetic Regulator of Inflammation in Diabetic Retinopathy. <i>Scientific Reports</i> , 2018 , 8, 6526	4.9	81

178	Mechanisms of endothelial to mesenchymal transition in the retina in diabetes 2014 , 55, 7321-31		81
177	Interaction of endothelin-1 with vasoactive factors in mediating glucose-induced increased permeability in endothelial cells. <i>Laboratory Investigation</i> , 2000 , 80, 1311-21	5.9	81
176	EDB fibronectin and angiogenesis -- a novel mechanistic pathway. <i>Angiogenesis</i> , 2005 , 8, 183-96	10.6	78
175	Differential effects of curcumin on vasoactive factors in the diabetic rat heart. <i>Nutrition and Metabolism</i> , 2006 , 3, 27	4.6	77
174	The role of Akt1 in terminal stages of endochondral bone formation: angiogenesis and ossification. <i>Bone</i> , 2009 , 45, 1133-45	4.7	76
173	miR-200b Mediates Endothelial-to-Mesenchymal Transition in Diabetic Cardiomyopathy. <i>Diabetes</i> , 2016 , 65, 768-79	0.9	76
172	Vascular endothelial dysfunction in diabetic cardiomyopathy: pathogenesis and potential treatment targets 2006 , 111, 384-99		75
171	miR-146a mediates inflammatory changes and fibrosis in the heart in diabetes. <i>Journal of Molecular and Cellular Cardiology</i> , 2017 , 105, 70-76	5.8	73
170	Leptin-induced cardiomyocyte hypertrophy involves selective caveolae and RhoA/ROCK-dependent p38 MAPK translocation to nuclei. <i>Cardiovascular Research</i> , 2008 , 77, 64-72	9.9	72
169	Re-institution of good metabolic control in diabetic rats and activation of caspase-3 and nuclear transcriptional factor (NF-kappaB) in the retina. <i>Acta Diabetologica</i> , 2004 , 41, 194-9	3.9	72
168	Role of vasoactive factors in the pathogenesis of early changes in diabetic retinopathy. <i>Diabetes/Metabolism Research and Reviews</i> , 2000 , 16, 393-407	7.5	72
167	miR-320 Regulates Glucose-Induced Gene Expression in Diabetes. <i>Isrn Endocrinology</i> , 2012 , 2012, 549875		70
166	Empirical calculation of roll damping for ships and barges. <i>Ocean Engineering</i> , 2001 , 28, 915-932	3.9	68
165	Impaired visual evoked potential and primary axonopathy of the optic nerve in the diabetic BB/W-rat. <i>Diabetologia</i> , 1992 , 35, 602-7	10.3	68
164	Oncofetal fibronectin in diabetic retinopathy. <i>Investigative Ophthalmology and Visual Science</i> , 2004 , 45, 287-95		67
163	Neonatal activation of CD28 signaling overcomes T cell anergy and prevents autoimmune diabetes by an IL-4-dependent mechanism. <i>Journal of Clinical Investigation</i> , 1997 , 100, 2243-53	15.9	67
162	The BB-rat--an authentic model of human diabetic retinopathy. <i>Current Eye Research</i> , 1985 , 4, 1087-92	2.9	66
161	Endothelins in chronic diabetic complications. <i>Canadian Journal of Physiology and Pharmacology</i> , 2003 , 81, 622-34	2.4	63

160	Nerve growth factor (NGF), proNGF and NGF receptor-like immunoreactivity in BB rat retina. <i>Brain Research</i> , 1990 , 523, 11-5	3.7	63
159	Cellular signaling and potential new treatment targets in diabetic retinopathy. <i>Experimental Diabetes Research</i> , 2007 , 2007, 31867		61
158	Insulin B-chain reactive CD4+ regulatory T-cells induced by oral insulin treatment protect from type 1 diabetes by blocking the cytokine secretion and pancreatic infiltration of diabetogenic effector T-cells. <i>Diabetes</i> , 1999 , 48, 1720-9	0.9	61
157	Augmented expression of endothelin-1, endothelin-3 and the endothelin-B receptor in breast carcinoma. <i>Histopathology</i> , 2000 , 36, 161-7	7.3	60
156	Endothelin-1 promotes migration and induces elevation of [Ca ²⁺] _i and phosphorylation of MAP kinase of a human extravillous trophoblast cell line. <i>Molecular and Cellular Endocrinology</i> , 2003 , 201, 63-73	4.4	57
155	Augmented retinal endothelin-1, endothelin-3, endothelinA and endothelinB gene expression in chronic diabetes. <i>Current Eye Research</i> , 1998 , 17, 301-7	2.9	56
154	Phase II clinical trial of phlebotomy for non-alcoholic fatty liver disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2013 , 37, 720-9	6.1	55
153	Natural history of C282Y homozygotes for hemochromatosis. <i>Canadian Journal of Gastroenterology & Hepatology</i> , 2002 , 16, 297-302		51
152	PARP mediates structural alterations in diabetic cardiomyopathy. <i>Journal of Molecular and Cellular Cardiology</i> , 2008 , 45, 385-93	5.8	50
151	Growth factors in proliferative diabetic retinopathy. <i>Experimental Diabetes Research</i> , 2003 , 4, 287-301		50
150	Extracellular signal-regulated kinase (ERK) in glucose-induced and endothelin-mediated fibronectin synthesis. <i>Laboratory Investigation</i> , 2004 , 84, 1451-9	5.9	50
149	Liver diseases in the hemochromatosis and iron overload screening study. <i>Clinical Gastroenterology and Hepatology</i> , 2006 , 4, 918-23; quiz 807	6.9	48
148	Role of endothelin-1, sodium hydrogen exchanger-1 and mitogen activated protein kinase (MAPK) activation in glucose-induced cardiomyocyte hypertrophy. <i>Diabetes/Metabolism Research and Reviews</i> , 2007 , 23, 356-67	7.5	47
147	PARP activation and the alteration of vasoactive factors and extracellular matrix protein in retina and kidney in diabetes. <i>Diabetes/Metabolism Research and Reviews</i> , 2008 , 24, 404-12	7.5	46
146	Oxidative-stress-induced epigenetic changes in chronic diabetic complications. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013 , 91, 213-20	2.4	45
145	Glucose-induced up-regulation of CD36 mediates oxidative stress and microvascular endothelial cell dysfunction. <i>Diabetologia</i> , 2005 , 48, 1401-10	10.3	45
144	Polycomb repressive complex 2 regulates MiR-200b in retinal endothelial cells: potential relevance in diabetic retinopathy. <i>PLoS ONE</i> , 2015 , 10, e0123987	3.7	45
143	Improvement in human decay accelerating factor transgenic porcine kidney xenograft rejection with intravenous administration of gas914, a polymeric form of alphaGAL. <i>Transplantation</i> , 2003 , 75, 10-9	1.8	44

142	Towards newer molecular targets for chronic diabetic complications. <i>Current Vascular Pharmacology</i> , 2006 , 4, 45-57	3.3	43
141	Metallothionein and apoptosis in primary human hepatocellular carcinoma and metastatic adenocarcinoma. <i>Histopathology</i> , 1998 , 32, 340-7	7.3	42
140	Oxidative stress-induced, poly(ADP-ribose) polymerase-dependent upregulation of ET-1 expression in chronic diabetic complications. <i>Canadian Journal of Physiology and Pharmacology</i> , 2008 , 86, 365-72	2.4	41
139	Potential contributory role of H-Ras, a small G-protein, in the development of retinopathy in diabetic rats. <i>Diabetes</i> , 2004 , 53, 775-83	0.9	41
138	Contributions of endothelin-1 and sodium hydrogen exchanger-1 in the diabetic myocardium. <i>Diabetes/Metabolism Research and Reviews</i> , 2002 , 18, 386-94	7.5	40
137	SIRT1 reduction causes renal and retinal injury in diabetes through endothelin 1 and transforming growth factor β . <i>Journal of Cellular and Molecular Medicine</i> , 2015 , 19, 1857-67	5.6	39
136	Actin cytoskeleton dynamics promotes leptin-induced vascular smooth muscle hypertrophy via RhoA/ROCK- and phosphatidylinositol 3-kinase/protein kinase B-dependent pathways. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 322, 1110-6	4.7	39
135	Co-localization of stanniocalcin-1 ligand and receptor in human breast carcinomas. <i>Molecular and Cellular Endocrinology</i> , 2004 , 213, 167-72	4.4	39
134	Endothelin-1 and endothelin-3-like immunoreactivity in the eyes of diabetic and non-diabetic BB/W rats. <i>Diabetes Research and Clinical Practice</i> , 1997 , 37, 109-20	7.4	35
133	Pro-oxidant role of heme oxygenase in mediating glucose-induced endothelial cell damage. <i>Free Radical Research</i> , 2004 , 38, 1301-10	4	35
132	Preventive effects of North American ginseng (<i>Panax quinquefolium</i>) on diabetic nephropathy. <i>Phytomedicine</i> , 2012 , 19, 494-505	6.5	33
131	The prevention of diabetic cardiomyopathy by non-mitogenic acidic fibroblast growth factor is probably mediated by the suppression of oxidative stress and damage. <i>PLoS ONE</i> , 2013 , 8, e82287	3.7	33
130	Anionic sites in diabetic basement membranes and their possible role in diffusion barrier abnormalities in the BB-rat. <i>Diabetologia</i> , 1991 , 34, 301-6	10.3	33
129	The reproducibility and sensitivity of sural nerve morphometry in the assessment of diabetic peripheral polyneuropathy. <i>Diabetologia</i> , 1992 , 35, 560-9	10.3	33
128	Cocaine-induced ischemic colitis with small-vessel thrombosis of colon and gallbladder. <i>Journal of Clinical Gastroenterology</i> , 1997 , 24, 49-53	3	33
127	miR-146a regulates glucose induced upregulation of inflammatory cytokines extracellular matrix proteins in the retina and kidney in diabetes. <i>PLoS ONE</i> , 2017 , 12, e0173918	3.7	31
126	Endothelin-mediated remodeling in aortas of diabetic rats. <i>Diabetes/Metabolism Research and Reviews</i> , 2005 , 21, 367-75	7.5	31
125	ANRIL regulates production of extracellular matrix proteins and vasoactive factors in diabetic complications. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 314, E191-E200	6	30

124	miRNA-1 regulates endothelin-1 in diabetes. <i>Life Sciences</i> , 2014 , 98, 18-23	6.8	30
123	Preventive effects of North American ginseng (<i>Panax quinquefolius</i>) on diabetic retinopathy and cardiomyopathy. <i>Phytotherapy Research</i> , 2013 , 27, 290-8	6.7	30
122	Vascular endothelial growth factor in diabetes induced early retinal abnormalities. <i>Diabetes Research and Clinical Practice</i> , 2004 , 65, 197-208	7.4	30
121	Heme oxygenase modulates small intestine leukocyte adhesion following hindlimb ischemia/reperfusion by regulating the expression of intercellular adhesion molecule-1. <i>Critical Care Medicine</i> , 2005 , 33, 2563-70	1.4	29
120	Extracellular matrix proteins in epiretinal membranes and in diabetic retinopathy. <i>Current Eye Research</i> , 2009 , 34, 134-44	2.9	28
119	High-glucose-induced metallothionein expression in endothelial cells: an endothelin-mediated mechanism. <i>American Journal of Physiology - Cell Physiology</i> , 2001 , 281, C899-907	5.4	28
118	Leptin and endothelin-1 mediated increased extracellular matrix protein production and cardiomyocyte hypertrophy in diabetic heart disease. <i>Diabetes/Metabolism Research and Reviews</i> , 2009 , 25, 452-63	7.5	27
117	Endothelin-1-mediated alteration of metallothionein and trace metals in the liver and kidneys of chronically diabetic rats. <i>International Journal of Experimental Diabetes Research</i> , 2002 , 3, 193-8		26
116	Increased radiation-induced apoptosis in mouse thymus in the absence of metallothionein. <i>Toxicology</i> , 1999 , 134, 39-49	4.4	26
115	Reduced number of anionic sites is associated with glomerular basement membrane thickening in the diabetic BB-rat. <i>Diabetologia</i> , 1989 , 32, 826-8	10.3	26
114	Diabetic Retinopathy, lncRNAs, and Inflammation: A Dynamic, Interconnected Network. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	25
113	North American Ginseng (<i>Panax quinquefolius</i>) prevents hyperglycemia and associated pancreatic abnormalities in diabetes. <i>Journal of Medicinal Food</i> , 2013 , 16, 587-92	2.8	24
112	Orally administered NHE1 inhibitor cariporide reduces acute responses to coronary occlusion and reperfusion. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 276, H749-57	5.2	24
111	MALAT1: A regulator of inflammatory cytokines in diabetic complications. <i>Endocrinology, Diabetes and Metabolism</i> , 2018 , 1, e00010	2.7	23
110	Chemokine receptor CXCR4-beta1 integrin axis mediates tumorigenesis of osteosarcoma HOS cells. <i>Biochemistry and Cell Biology</i> , 2005 , 83, 36-48	3.6	23
109	Heme-oxygenase-mediated iron accumulation in the liver. <i>Canadian Journal of Physiology and Pharmacology</i> , 2004 , 82, 448-56	2.4	23
108	Long-term suppression of postprandial hyperglycaemia with acarbose retards the development of neuropathies in the BB/W-rat. <i>Diabetologia</i> , 1992 , 35, 325-30	10.3	23
107	Renal, retinal and cardiac changes in type 2 diabetes are attenuated by macitentan, a dual endothelin receptor antagonist. <i>Life Sciences</i> , 2012 , 91, 658-68	6.8	22

106	Glucose-induced cell signaling in the pathogenesis of diabetic cardiomyopathy. <i>Heart Failure Reviews</i> , 2014 , 19, 75-86	5	21
105	Genotoxic stress and activation of novel DNA repair enzymes in human endothelial cells and in the retinas and kidneys of streptozotocin diabetic rats. <i>Diabetes/Metabolism Research and Reviews</i> , 2012 , 28, 329-37	7.5	21
104	A functional connection between pRB and transforming growth factor beta in growth inhibition and mammary gland development. <i>Molecular and Cellular Biology</i> , 2009 , 29, 4455-66	4.8	21
103	ED-B fibronectin in non-small cell lung carcinoma. <i>Experimental Lung Research</i> , 2005 , 31, 701-11	2.3	21
102	Glucose-induced serum- and glucocorticoid-regulated kinase activation in oncofetal fibronectin expression. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 329, 275-80	3.4	21
101	Glucose-induced Akt1 activation mediates fibronectin synthesis in endothelial cells. <i>Diabetologia</i> , 2005 , 48, 2428-36	10.3	21
100	A new cause of Zollinger-Ellison syndrome: non-small cell lung cancer. <i>Gastroenterology</i> , 2001 , 120, 1271-83	18.3	21
99	Endothelins: regulators of extracellular matrix protein production in diabetes. <i>Experimental Biology and Medicine</i> , 2006 , 231, 1022-9	3.7	21
98	Tuning the Optical Properties of Silicon Quantum Dots via Surface Functionalization with Conjugated Aromatic Fluorophores. <i>Scientific Reports</i> , 2018 , 8, 3050	4.9	20
97	Metallothionein prevents cardiac pathological changes in diabetes by modulating nitration and inactivation of cardiac ATP synthase. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 463-74	6.3	20
96	Inflammation is not the cause of an elevated serum ferritin in non-alcoholic fatty liver disease. <i>Annals of Hepatology</i> , 2014 , 13, 353-356	3.1	20
95	The impact of population-based screening studies on hemochromatosis screening practices. <i>Digestive Diseases and Sciences</i> , 2012 , 57, 1420-2	4	20
94	American ginseng (<i>Panax quinquefolius</i>) prevents glucose-induced oxidative stress and associated endothelial abnormalities. <i>Phytomedicine</i> , 2011 , 18, 1110-7	6.5	20
93	C-peptide and retinal microangiopathy in diabetes. <i>Experimental Diabetes Research</i> , 2004 , 5, 91-6		20
92	Increased endothelin-1 and endothelin receptor expression in myocytes of ischemic and reperfused rat hearts and ventricular myocytes exposed to ischemic conditions and its inhibition by nitric oxide generation. <i>Canadian Journal of Physiology and Pharmacology</i> , 2003 , 81, 105-13	2.4	19
91	Prevalence of the C282Y mutation of the hemochromatosis gene in liver transplant recipients and donors. <i>Hepatology</i> , 1999 , 30, 665-9	11.2	19
90	Pathogenetic heterogeneity in retinal capillary basement membrane thickening in the diabetic BB-rat. <i>Diabetologia</i> , 1987 , 30, 966-8	10.3	19
89	Thymic re-entry of mature activated T cells and increased negative selection in vascularized allograft recipients. <i>Clinical and Experimental Immunology</i> , 2002 , 127, 43-52	6.2	18

88	Modulation of Na ⁺ /H ⁺ exchange isoform 1 mRNA expression in isolated rat hearts. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1999 , 277, H993-8	5.2	18
87	Prevention of diabetic retinal capillary pericyte degeneration and loss by pancreatic islet allograft. <i>Current Eye Research</i> , 1987 , 6, 649-58	2.9	18
86	Reprint of: miRNA-1 regulates endothelin-1 in diabetes. <i>Life Sciences</i> , 2014 , 118, 275-80	6.8	17
85	Akt activation and augmented fibronectin production in hyperhexosemia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E1036-44	6	17
84	Alteration in CD45RBhi/CD45RBlo T-cell ratio following CD45RB monoclonal-antibody therapy occurs by selective deletion of CD45RBhi effector cells. <i>Transplantation</i> , 2003 , 76, 400-9	1.8	17
83	MicroRNAs: the underlying mediators of pathogenetic processes in vascular complications of diabetes. <i>Canadian Journal of Diabetes</i> , 2013 , 37, 339-44	2.1	16
82	Regulation of vascular endothelial growth factor expression by extra domain B segment of fibronectin in endothelial cells 2012 , 53, 8333-43		16
81	Glucose-induced endothelin-1 expression is regulated by ERK5 in the endothelial cells and retina of diabetic rats. <i>Canadian Journal of Physiology and Pharmacology</i> , 2010 , 88, 607-15	2.4	16
80	The effect of acarbose on diabetes- and age-related basement membrane thickening in retinal capillaries of the BB/W-rat. <i>Diabetes Research and Clinical Practice</i> , 1993 , 20, 123-8	7.4	16
79	Modulation of ERK5 is a novel mechanism by which Cdc42 regulates migration of breast cancer cells. <i>Journal of Cellular Biochemistry</i> , 2015 , 116, 124-32	4.7	15
78	Collectivization of Vascular Smooth Muscle Cells via TGF- β Cadherin-11-Dependent Adhesive Switching. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 1254-64	9.4	15
77	Expression of ferroportin in hemochromatosis liver. <i>Blood Cells, Molecules, and Diseases</i> , 2003 , 31, 256-61	1.1	15
76	Peritransplant treatment with cobalt protoporphyrin attenuates chronic renal allograft rejection. <i>Transplant International</i> , 2005 , 18, 341-9	3	15
75	Alternate splicing produces a soluble form of the hereditary hemochromatosis protein HFE. <i>Blood Cells, Molecules, and Diseases</i> , 1999 , 25, 61-7	2.1	15
74	Glucose-induced oxidative stress and accelerated aging in endothelial cells are mediated by the depletion of mitochondrial SIRT6. <i>Physiological Reports</i> , 2020 , 8, e14331	2.6	14
73	CTLA-4Ig blocks the development and progression of citrullinated fibrinogen-induced arthritis in DR4-transgenic mice. <i>Arthritis and Rheumatism</i> , 2010 , 62, 2941-52		14
72	The role of the sodium hydrogen exchanger-1 in mediating diabetes-induced changes in the retina. <i>Diabetes/Metabolism Research and Reviews</i> , 2004 , 20, 61-71	7.5	14
71	LncRNAs: Proverbial Genomic "Junk" or Key Epigenetic Regulators During Cardiac Fibrosis in Diabetes?. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 28	5.4	13

70	ERK5 Regulates glucose-induced increased fibronectin production in the endothelial cells and in the retina in diabetes 2012 , 53, 8405-13		13
69	ERK5 Contributes to VEGF Alteration in Diabetic Retinopathy. <i>Journal of Ophthalmology</i> , 2010 , 2010, 465824	2	13
68	Therapeutic targeting of endothelial dysfunction in chronic diabetic complications. <i>Recent Patents on Cardiovascular Drug Discovery</i> , 2006 , 1, 167-75		13
67	Alteration of endothelins: a common pathogenetic mechanism in chronic diabetic complications. <i>International Journal of Experimental Diabetes Research</i> , 2002 , 3, 217-31		13
66	Curcumin Analogs Reduce Stress and Inflammation Indices in Experimental Models of Diabetes. <i>Frontiers in Endocrinology</i> , 2019 , 10, 887	5-7	13
65	Endothelins, their receptors, and retinal vascular dysfunction in galactose-fed rats. <i>Diabetes Research and Clinical Practice</i> , 2000 , 48, 75-85	7-4	12
64	Pancreatic islet allograft prevents basement membrane thickening in the diabetic rat retina. <i>Diabetologia</i> , 1988 , 31, 175-81	10-3	12
63	Endothelin-1 regulation is entangled in a complex web of epigenetic mechanisms in diabetes. <i>Physiological Research</i> , 2018 , 67, S115-S125	2-1	12
62	Fibroblast Growth Factor 9 Imparts Hierarchy and Vasoreactivity to the Microcirculation of Renal Tumors and Suppresses Metastases. <i>Journal of Biological Chemistry</i> , 2015 , 290, 22127-42	5-4	11
61	A nomogram to predict C282Y hemochromatosis. <i>Translational Research</i> , 2002 , 140, 6-8		11
60	Catastrophic microangiopathy induced by high-titre factor VIII inhibitors after liver transplantation for haemophilia A with cirrhosis. <i>Haemophilia</i> , 2005 , 11, 623-8	3-3	11
59	Cardiac tamponade as a terminal event in the hemolytic uremic syndrome in childhood. <i>Pediatric Nephrology</i> , 1994 , 8, 754-5	3-2	11
58	The Long Non-Coding RNA HOTAIR Is a Critical Epigenetic Mediator of Angiogenesis in Diabetic Retinopathy 2021 , 62, 20		11
57	Increased Extracellular Matrix Protein Production in Chronic Diabetic Complications: Implications of Non-Coding RNAs. <i>Non-coding RNA</i> , 2019 , 5,	7-1	10
56	Changes in the Cardiac GHSR1a-Ghrelin System Correlate With Myocardial Dysfunction in Diabetic Cardiomyopathy in Mice. <i>Journal of the Endocrine Society</i> , 2018 , 2, 178-189	0-4	10
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