

# Garth J S Cooper

## List of Publications by Citations

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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.

232 papers	12,197 citations	54 h-index	104 g-index
241 ext. papers	13,180 ext. citations	5.4 avg, IF	5.87 L-index

#	Paper	IF	Citations
232	Purification and characterization of a peptide from amyloid-rich pancreases of type 2 diabetic patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1987</b> , 84, 8628-32	11.5	1139
231	The fat-derived hormone adiponectin alleviates alcoholic and nonalcoholic fatty liver diseases in mice. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 91-100	15.9	890
230	Pancreatic amylin and calcitonin gene-related peptide cause resistance to insulin in skeletal muscle in vitro. <i>Nature</i> , <b>1988</b> , 335, 632-5	50.4	441
229	The fat-derived hormone adiponectin alleviates alcoholic and nonalcoholic fatty liver diseases in mice. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 112, 91-100	15.9	394
228	Testosterone selectively reduces the high molecular weight form of adiponectin by inhibiting its secretion from adipocytes. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 18073-80	5.4	311
227	Watching amyloid fibrils grow by time-lapse atomic force microscopy. <i>Journal of Molecular Biology</i> , <b>1999</b> , 285, 33-9	6.5	308
226	Adiponectin inhibits cell proliferation by interacting with several growth factors in an oligomerization-dependent manner. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 18341-7	5.4	292
225	Amyloid fibril formation from full-length and fragments of amylin. <i>Journal of Structural Biology</i> , <b>2000</b> , 130, 352-62	3.4	288
224	Amylin compared with calcitonin gene-related peptide: structure, biology, and relevance to metabolic disease. <i>Endocrine Reviews</i> , <b>1994</b> , 15, 163-201	27.2	262
223	Polymorphic fibrillar assembly of human amylin. <i>Journal of Structural Biology</i> , <b>1997</b> , 119, 17-27	3.4	258
222	Hydroxylation and glycosylation of the four conserved lysine residues in the collagenous domain of adiponectin. Potential role in the modulation of its insulin-sensitizing activity. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 19521-9	5.4	244
221	Adiponectin modulates the glycogen synthase kinase-3 $\beta$ /beta-catenin signaling pathway and attenuates mammary tumorigenesis of MDA-MB-231 cells in nude mice. <i>Cancer Research</i> , <b>2006</b> , 66, 11462-70	10.1	227
220	Robust early pregnancy prediction of later preeclampsia using metabolomic biomarkers. <i>Hypertension</i> , <b>2010</b> , 56, 741-9	8.5	215
219	Post-translational modifications of the four conserved lysine residues within the collagenous domain of adiponectin are required for the formation of its high molecular weight oligomeric complex. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 16391-400	5.4	193
218	The aggregation potential of human amylin determines its cytotoxicity towards islet beta-cells. <i>FEBS Journal</i> , <b>2006</b> , 273, 3614-24	5.7	185
217	Proteomic analysis of the brain in Alzheimer's disease: molecular phenotype of a complex disease process. <i>Proteomics</i> , <b>2001</b> , 1, 1519-28	4.8	161
216	Atomic force microscopy reveals defects within mica supported lipid bilayers induced by the amyloidogenic human amylin peptide. <i>Journal of Molecular Biology</i> , <b>2004</b> , 342, 877-87	6.5	134

215	Co-secretion of amylin and insulin from cultured islet beta-cells: modulation by nutrient secretagogues, islet hormones and hypoglycemic agents. <i>Biochemical and Biophysical Research Communications</i> , <b>1991</b> , 179, 1-9	3.4	134
214	Effects of calcitonin, amylin, and calcitonin gene-related peptide on osteoclast development. <i>Bone</i> , <b>2001</b> , 29, 162-8	4.7	133
213	Human amylin oligomer growth and fibril elongation define two distinct phases in amyloid formation. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 12206-12	5.4	127
212	Amylin and the amylin gene: structure, function and relationship to islet amyloid and to diabetes mellitus. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>1989</b> , 1014, 247-58	4.9	123
211	Regeneration of the heart in diabetes by selective copper chelation. <i>Diabetes</i> , <b>2004</b> , 53, 2501-8	0.9	121
210	Full-length rat amylin forms fibrils following substitution of single residues from human amylin. <i>Journal of Molecular Biology</i> , <b>2003</b> , 326, 1147-56	6.5	113
209	Amylin stimulates osteoblast proliferation and increases mineralized bone volume in adult mice. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 207, 133-9	3.4	109
208	Comparison of the effects of calcitonin gene-related peptide and amylin on osteoblasts. <i>Journal of Bone and Mineral Research</i> , <b>1999</b> , 14, 1302-9	6.3	90
207	Adrenomedullin: a hypotensive hormone in man. <i>Clinical Science</i> , <b>1997</b> , 92, 467-72	6.5	89
206	Graded perturbations of metabolism in multiple regions of human brain in Alzheimer's disease: Snapshot of a pervasive metabolic disorder. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2016</b> , 1862, 1084-92	6.9	85
205	Postprandial response of adiponectin, interleukin-6, tumor necrosis factor-alpha, and C-reactive protein to a high-fat dietary load. <i>Nutrition</i> , <b>2008</b> , 24, 322-9	4.8	85
204	Fibrillogenic amylin evokes islet beta-cell apoptosis through linked activation of a caspase cascade and JNK1. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 52810-9	5.4	84
203	Beneficial hemodynamic and renal effects of adrenomedullin in an ovine model of heart failure. <i>Circulation</i> , <b>1997</b> , 96, 1983-90	16.7	84
202	Amyloid-like inclusions in Huntington's disease. <i>Neuroscience</i> , <b>2000</b> , 100, 677-80	3.9	83
201	A proteomic approach identifies early pregnancy biomarkers for preeclampsia: novel linkages between a predisposition to preeclampsia and cardiovascular disease. <i>Proteomics</i> , <b>2009</b> , 9, 2929-45	4.8	80
200	Regional protein expression in human Alzheimer's brain correlates with disease severity. <i>Communications Biology</i> , <b>2019</b> , 2, 43	6.7	79
199	Human colostrum: identification of minor proteins in the aqueous phase by proteomics. <i>Proteomics</i> , <b>2006</b> , 6, 2208-16	4.8	79
198	Demonstration of a hyperglycemia-driven pathogenic abnormality of copper homeostasis in diabetes and its reversibility by selective chelation: quantitative comparisons between the biology of copper and eight other nutritionally essential elements in normal and diabetic individuals. <i>Diabetes</i> , <b>2005</b> , 54, 1468-76	0.9	78

197	Comparative proteome analysis of the hippocampus implicates chromosome 6q in schizophrenia. <i>Molecular Psychiatry</i> , <b>2000</b> , 5, 85-90	15.1	78
196	Crystal structure of a substrate complex of myo-inositol oxygenase, a di-iron oxygenase with a key role in inositol metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 15032-7	11.5	77
195	Preptin derived from proinsulin-like growth factor II (proIGF-II) is secreted from pancreatic islet $\beta$ cells and enhances insulin secretion. <i>Biochemical Journal</i> , <b>2001</b> , 360, 431-439	3.8	77
194	Insulin resistance in the Zucker diabetic fatty rat: a metabolic characterisation of obese and lean phenotypes. <i>Acta Diabetologica</i> , <b>2005</b> , 42, 162-70	3.9	72
193	A comparative proteome analysis of hippocampal tissue from schizophrenic and Alzheimer's disease individuals. <i>Molecular Psychiatry</i> , <b>1999</b> , 4, 173-8	15.1	72
192	Is the failing heart out of fuel or a worn engine running rich? A study of mitochondria in old spontaneously hypertensive rats. <i>Proteomics</i> , <b>2008</b> , 8, 2556-72	4.8	66
191	Proteomic and functional characterization of endogenous adiponectin purified from fetal bovine serum. <i>Proteomics</i> , <b>2004</b> , 4, 3933-42	4.8	66
190	Suppression by polycyclic compounds of the conversion of human amylin into insoluble amyloid. <i>Biochemical Journal</i> , <b>2003</b> , 374, 779-84	3.8	65
189	Therapeutic potential of copper chelation with triethylenetetramine in managing diabetes mellitus and Alzheimer's disease. <i>Drugs</i> , <b>2011</b> , 71, 1281-320	12.1	62
188	Adiponectin haploinsufficiency promotes mammary tumor development in MMTV-PyVT mice by modulation of phosphatase and tensin homolog activities. <i>PLoS ONE</i> , <b>2009</b> , 4, e4968	3.7	62
187	Ultrastructural evidence that apoptosis is the mechanism by which human amylin evokes death in RINm5F pancreatic islet beta-cells. <i>Cell Biology International</i> , <b>2001</b> , 25, 339-50	4.5	62
186	Preptin, another peptide product of the pancreatic beta-cell, is osteogenic in vitro and in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 292, E117-22	6	60
185	Amylin activates glycogen phosphorylase in the isolated soleus muscle of the rat. <i>FEBS Letters</i> , <b>1991</b> , 281, 149-51	3.8	59
184	Amylin injection causes elevated plasma lactate and glucose in the rat. <i>FEBS Letters</i> , <b>1991</b> , 291, 101-4	3.8	59
183	Characterization of bovine seminal plasma by proteomics. <i>Proteomics</i> , <b>2006</b> , 6, 5826-33	4.8	58
182	Metabolic Dysfunction Is Restricted to the Sciatic Nerve in Experimental Diabetic Neuropathy. <i>Diabetes</i> , <b>2016</b> , 65, 228-38	0.9	56
181	Mice lacking the neuropeptide alpha-calcitonin gene-related peptide are protected against diet-induced obesity. <i>Endocrinology</i> , <b>2010</b> , 151, 4257-69	4.8	56
180	Increased expression and activation of c-Jun contributes to human amylin-induced apoptosis in pancreatic islet beta-cells. <i>Journal of Molecular Biology</i> , <b>2002</b> , 324, 271-85	6.5	56

179	A copper(II)-selective chelator ameliorates left-ventricular hypertrophy in type 2 diabetic patients: a randomised placebo-controlled study. <i>Diabetologia</i> , <b>2009</b> , 52, 715-22	10.3	54
178	Three-colour fluorescence immunohistochemistry reveals the diversity of cells staining for macrophage markers in murine spleen and liver. <i>Journal of Immunological Methods</i> , <b>2008</b> , 334, 70-81	2.5	53
177	Fas-associated death receptor signaling evoked by human amylin in islet beta-cells. <i>Diabetes</i> , <b>2008</b> , 57, 348-56	0.9	53
176	Lipid-lowering effects of a modified butter-fat: a controlled intervention trial in healthy men. <i>European Journal of Clinical Nutrition</i> , <b>2002</b> , 56, 64-71	5.2	53
175	Induction of apoptosis by human amylin in RINm5F islet beta-cells is associated with enhanced expression of p53 and p21WAF1/CIP1. <i>FEBS Letters</i> , <b>1999</b> , 455, 315-20	3.8	51
174	Proteomic characterization of human serum proteins associated with the fat-derived hormone adiponectin. <i>Proteomics</i> , <b>2006</b> , 6, 3862-70	4.8	49
173	Evidence for widespread, severe brain copper deficiency in Alzheimer's dementia. <i>Metallomics</i> , <b>2017</b> , 9, 1106-1119	4.5	47
172	Preptin derived from proinsulin-like growth factor II (proIGF-II) is secreted from pancreatic islet beta-cells and enhances insulin secretion. <i>Biochemical Journal</i> , <b>2001</b> , 360, 431-9	3.8	46
171	Systemic administration of amylin increases bone mass, linear growth, and adiposity in adult male mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>1998</b> , 275, E694-9	6	46
170	Elevation of brain glucose and polyol-pathway intermediates with accompanying brain-copper deficiency in patients with Alzheimer's disease: metabolic basis for dementia. <i>Scientific Reports</i> , <b>2016</b> , 6, 27524	4.9	46
169	Identification of novel putative membrane proteins selectively expressed during adipose conversion of 3T3-L1 cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2002</b> , 293, 1161-7	3.4	45
168	Amylin secretion from the perfused pancreas: dissociation from insulin and abnormal elevation in insulin-resistant diabetic rats. <i>Biochemical and Biophysical Research Communications</i> , <b>1991</b> , 180, 782-9	3.4	45
167	Tetracycline treatment retards the onset and slows the progression of diabetes in human amylin/islet amyloid polypeptide transgenic mice. <i>Diabetes</i> , <b>2010</b> , 59, 161-71	0.9	44
166	A copper(II)-selective chelator ameliorates diabetes-evoked renal fibrosis and albuminuria, and suppresses pathogenic TGF-beta activation in the kidneys of rats used as a model of diabetes. <i>Diabetologia</i> , <b>2008</b> , 51, 1741-51	10.3	44
165	Brain urea increase is an early Huntington's disease pathogenic event observed in a prodromal transgenic sheep model and HD cases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E11293-E11302	11.5	43
164	Altered calcium homeostasis does not explain the contractile deficit of diabetic cardiomyopathy. <i>Diabetes</i> , <b>2008</b> , 57, 2158-66	0.9	43
163	Thiol reducing compounds prevent human amylin-evoked cytotoxicity. <i>FEBS Journal</i> , <b>2005</b> , 272, 4949-59	5.7	43
162	Diabetic cardiomyopathy is associated with defective myocellular copper regulation and both defects are rectified by divalent copper chelation. <i>Cardiovascular Diabetology</i> , <b>2014</b> , 13, 100	8.7	42

161	Role of Ca <sup>2+</sup> in apoptosis evoked by human amylin in pancreatic islet $\beta$ cells. <i>Biochemical Journal</i> , <b>1999</b> , 343, 53-61	3.8	42
160	Calcitonin gene-related peptide and somatostatin inhibit insulin release from individual rat B cells. <i>Molecular and Cellular Endocrinology</i> , <b>1988</b> , 57, 41-9	4.4	42
159	Complex formation equilibria of Cu(II) and Zn(II) with triethylenetetramine and its mono- and di-acetyl metabolites. <i>Dalton Transactions</i> , <b>2013</b> , 42, 6161-70	4.3	41
158	Effect of high-fat meals and fatty acid saturation on postprandial levels of the hormones ghrelin and leptin in healthy men. <i>European Journal of Clinical Nutrition</i> , <b>2006</b> , 60, 77-84	5.2	40
157	Combined endopeptidase inhibition and adrenomedullin in sheep with experimental heart failure. <i>Hypertension</i> , <b>2002</b> , 39, 93-8	8.5	40
156	8-37h-CGRP antagonizes actions of amylin on carbohydrate metabolism in vitro and in vivo. <i>FEBS Letters</i> , <b>1991</b> , 291, 195-8	3.8	40
155	Identification of elevated urea as a severe, ubiquitous metabolic defect in the brain of patients with Huntington's disease. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 468, 161-6	3.4	39
154	A label-free selected reaction monitoring workflow identifies a subset of pregnancy specific glycoproteins as potential predictive markers of early-onset pre-eclampsia. <i>Molecular and Cellular Proteomics</i> , <b>2013</b> , 12, 3148-59	7.6	39
153	A new strategy for MS/MS data acquisition applying multiple data dependent experiments on Orbitrap mass spectrometers in non-targeted metabolomic applications. <i>Metabolomics</i> , <b>2015</b> , 11, 1068-1080	10.7	37
152	An altered pattern of circulating apolipoprotein E3 isoforms is implicated in preeclampsia. <i>Journal of Lipid Research</i> , <b>2009</b> , 50, 71-80	6.3	37
151	The chaperone proteins HSP70, HSP40/DnaJ and GRP78/BiP suppress misfolding and formation of $\beta$ -sheet-containing aggregates by human amylin: a potential role for defective chaperone biology in Type2 diabetes. <i>Biochemical Journal</i> , <b>2010</b> , 432, 113-21	3.8	37
150	The role of amylin in the insulin resistance of non-insulin-dependent diabetes mellitus. <i>Trends in Biochemical Sciences</i> , <b>1990</b> , 15, 295-9	10.3	37
149	Calcitonin gene-related peptide-1 (CGRP-1) is a potent regulator of glycogen metabolism in rat skeletal muscle. <i>FEBS Letters</i> , <b>1989</b> , 249, 357-61	3.8	36
148	The pathogenic mechanism of diabetes varies with the degree of overexpression and oligomerization of human amylin in the pancreatic islet $\beta$ cells. <i>FASEB Journal</i> , <b>2014</b> , 28, 5083-96	0.9	35
147	Proteins associated with immunopurified granules from a model pancreatic islet beta-cell system: proteomic snapshot of an endocrine secretory granule. <i>Journal of Proteome Research</i> , <b>2009</b> , 8, 178-86	5.6	35
146	Molecular changes evoked by triethylenetetramine treatment in the extracellular matrix of the heart and aorta in diabetic rats. <i>Molecular Pharmacology</i> , <b>2006</b> , 70, 2045-51	4.3	35
145	Redox status of acute pancreatitis as measured by cyclic voltammetry: initial rodent studies to assess disease severity. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 866-72	1.4	34
144	Characterization of proteomic changes in cardiac mitochondria in streptozotocin-diabetic rats using iTRAQ isobaric tags. <i>Proteomics - Clinical Applications</i> , <b>2007</b> , 1, 565-76	3.1	33

143	Integrin shedding as a mechanism of cellular adaptation during cardiac growth. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2003</b> , 284, H2227-34	5.2	32
142	Activation of activating transcription factor 2 by p38 MAP kinase during apoptosis induced by human amylin in cultured pancreatic beta-cells. <i>FEBS Journal</i> , <b>2006</b> , 273, 3779-91	5.7	31
141	Replacement of the CysA7-CysB7 disulfide bond with a 1,2,3-triazole linker causes unfolding in insulin glargine. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 4059-63	3.9	30
140	Quantitative proteomic profiling identifies new renal targets of copper(II)-selective chelation in the reversal of diabetic nephropathy in rats. <i>Proteomics</i> , <b>2009</b> , 9, 4309-20	4.8	30
139	Copper(II)-selective chelation improves function and antioxidant defences in cardiovascular tissues of rats as a model of diabetes: comparisons between triethylenetetramine and three less copper-selective transition-metal-targeted treatments. <i>Diabetologia</i> , <b>2010</b> , 53, 1217-26	10.3	30
138	Determination of protein for studies of marine herbivory: a comparison of methods. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2000</b> , 244, 45-65	2.1	30
137	Protection of the heart by treatment with a divalent-copper-selective chelator reveals a novel mechanism underlying cardiomyopathy in diabetic rats. <i>Cardiovascular Diabetology</i> , <b>2013</b> , 12, 123	8.7	28
136	The proteome of rodent mesenteric lymph. <i>American Journal of Physiology - Renal Physiology</i> , <b>2008</b> , 295, G895-903	5.1	28
135	Evidence that alpha-calcitonin gene-related peptide is a neurohormone that controls systemic lipid availability and utilization. <i>Endocrinology</i> , <b>2008</b> , 149, 154-60	4.8	28
134	Triethylenetetramine and metabolites: levels in relation to copper and zinc excretion in urine of healthy volunteers and type 2 diabetic patients. <i>Drug Metabolism and Disposition</i> , <b>2007</b> , 35, 221-7	4	28
133	Systemic administration of adrenomedullin(27-52) increases bone volume and strength in male mice. <i>Journal of Endocrinology</i> , <b>2001</b> , 170, 251-7	4.7	28
132	Evidence that multiple defects in lipid regulation occur before hyperglycemia during the prodrome of type-2 diabetes. <i>PLoS ONE</i> , <b>2014</b> , 9, e103217	3.7	28
131	Metabolite mapping reveals severe widespread perturbation of multiple metabolic processes in Huntington's disease human brain. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2016</b> , 1862, 1650-62	6.9	27
130	Changes in the mesenteric lymph proteome induced by hemorrhagic shock. <i>Shock</i> , <b>2010</b> , 34, 140-9	3.4	27
129	Proteomic analysis of adipocyte differentiation: Evidence that alpha2 macroglobulin is involved in the adipose conversion of 3T3 L1 preadipocytes. <i>Proteomics</i> , <b>2004</b> , 4, 1840-8	4.8	27
128	Hemodynamic, hormonal, and renal effects of intracerebroventricular adrenomedullin in conscious sheep. <i>Endocrinology</i> , <b>1998</b> , 139, 1746-51	4.8	27
127	Proteome map of the human hippocampus. <i>Hippocampus</i> , <b>1999</b> , 9, 644-50	3.5	27
126	Integrity of the Human Faecal Microbiota following Long-Term Sample Storage. <i>PLoS ONE</i> , <b>2016</b> , 11, e0163666	3.7	27



125	Cerebral Vitamin B5 (D-Pantothenic Acid) Deficiency as a Potential Cause of Metabolic Perturbation and Neurodegeneration in Huntington's Disease. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	26
124	Alteration in phosphorylation of P20 is associated with insulin resistance. <i>Diabetes</i> , <b>2001</b> , 50, 1821-7	0.9	26
123	Impaired ATP turnover and ADP supply depress cardiac mitochondrial respiration and elevate superoxide in nonfailing spontaneously hypertensive rat hearts. <i>American Journal of Physiology - Cell Physiology</i> , <b>2009</b> , 297, C766-74	5.4	25
122	Chronic treatment with growth hormone stimulates adiponectin gene expression in 3T3-L1 adipocytes. <i>FEBS Letters</i> , <b>2004</b> , 572, 129-34	3.8	25
121	Systemic administration of a novel octapeptide, amylin-(1--8), increases bone volume in male mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2000</b> , 279, E730-5	6	25
120	Adiponectin induces A20 expression in adipose tissue to confer metabolic benefit. <i>Diabetes</i> , <b>2015</b> , 64, 128-36	0.9	24
119	Treatment with a copper-selective chelator causes substantive improvement in cardiac function of diabetic rats with left-ventricular impairment. <i>Cardiovascular Diabetology</i> , <b>2013</b> , 12, 28	8.7	24
118	Spontaneous diabetes in hemizygous human amylin transgenic mice that developed neither islet amyloid nor peripheral insulin resistance. <i>Diabetes</i> , <b>2008</b> , 57, 2737-44	0.9	24
117	Is type 2 diabetes an amyloidosis and does it really matter (to patients)? <i>Diabetologia</i> , <b>2010</b> , 53, 1011-6	10.3	23
116	Insulin and insulin antagonists evoke phosphorylation of P20 at serine 157 and serine 16 respectively in rat skeletal muscle. <i>FEBS Letters</i> , <b>1999</b> , 462, 25-30	3.8	23
115	Synthesis of monolysyl advanced glycation endproducts and their incorporation into collagen model peptides. <i>Organic Letters</i> , <b>2012</b> , 14, 5740-3	6.2	22
114	Transcriptomic analysis of the cardiac left ventricle in a rodent model of diabetic cardiomyopathy: molecular snapshot of a severe myocardial disease. <i>Physiological Genomics</i> , <b>2007</b> , 28, 284-93	3.6	22
113	Amylin gene promoter mutations predispose to Type 2 diabetes in New Zealand Maori. <i>Diabetologia</i> , <b>2003</b> , 46, 574-8	10.3	22
112	The amylin superfamily: a novel grouping of biologically active polypeptides related to the insulin A-chain. <i>Progress in Growth Factor Research</i> , <b>1989</b> , 1, 99-105		22
111	Amylin and insulin co-replacement therapy for insulin-dependent (type I) diabetes mellitus. <i>Medical Hypotheses</i> , <b>1991</b> , 36, 284-8	3.8	22
110	Diabetes-associated peptide. <i>Lancet, The</i> , <b>1987</b> , 2, 966	40	22
109	Deficient copper concentrations in dried-defatted hepatic tissue from ob/ob mice: A potential model for study of defective copper regulation in metabolic liver disease. <i>Biochemical and Biophysical Research Communications</i> , <b>2015</b> , 460, 549-54	3.4	21
108	Vitamin B5 (d-pantothenic acid) localizes in myelinated structures of the rat brain: Potential role for cerebral vitamin B5 stores in local myelin homeostasis. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 522, 220-225	3.4	21



107	Synthesis of glycosylated 5-hydroxylysine, an important amino acid present in collagen-like proteins such as adiponectin. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 1137-44	3.9	20
106	No evidence of an effect of alterations in dietary fatty acids on fasting adiponectin over 3 weeks. <i>Obesity</i> , <b>2008</b> , 16, 592-9	8	20
105	Daily amylin replacement reverses hepatic glycogen depletion in insulin-treated streptozotocin diabetic rats. <i>FEBS Letters</i> , <b>1991</b> , 287, 203-5	3.8	20
104	Rutin suppresses human-amylin/hIAPP misfolding and oligomer formation in-vitro, and ameliorates diabetes and its impacts in human-amylin/hIAPP transgenic mice. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 482, 625-631	3.4	19
103	Pharmacokinetics, pharmacodynamics, and metabolism of triethylenetetramine in healthy human participants: an open-label trial. <i>Journal of Clinical Pharmacology</i> , <b>2010</b> , 50, 647-58	2.9	19
102	Pharmacokinetic and pharmacodynamic modeling of a copper-selective chelator (TETA) in healthy adults. <i>Journal of Clinical Pharmacology</i> , <b>2009</b> , 49, 916-28	2.9	19
101	Determination of triethylenetetramine (TETA) and its metabolites in human plasma and urine by liquid chromatography-mass spectrometry (LC-MS). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2007</b> , 859, 62-8	3.2	19
100	Reversal of diabetes-evoked changes in mitochondrial protein expression of cardiac left ventricle by treatment with a copper(II)-selective chelator. <i>Proteomics - Clinical Applications</i> , <b>2007</b> , 1, 387-99	3.1	18
99	Evidence that amylin stimulates lipolysis in vivo: a possible mediator of induced insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2001</b> , 280, E562-9	6	18
98	Amylin hormone. <i>Nature</i> , <b>1989</b> , 340, 272	50.4	18
97	Role of Ca <sup>2+</sup> in apoptosis evoked by human amylin in pancreatic islet $\beta$ cells. <i>Biochemical Journal</i> , <b>1999</b> , 343, 53	3.8	18
96	Acute application of human amylin, unlike beta-amyloid peptides, kills undifferentiated PC12 cells by apoptosis. <i>NeuroReport</i> , <b>1997</b> , 8, 3945-50	1.7	17
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