

# Garth J S Cooper

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/115447/publications.pdf>

Version: 2024-02-01

236  
papers

14,441  
citations

22153

59  
h-index

22832

112  
g-index

241  
all docs

241  
docs citations

241  
times ranked

13496  
citing authors

#	ARTICLE	IF	CITATIONS
1	Purification and characterization of a peptide from amyloid-rich pancreases of type 2 diabetic patients.. Proceedings of the National Academy of Sciences of the United States of America, 1987, 84, 8628-8632.	7.1	1,270
2	The fat-derived hormone adiponectin alleviates alcoholic and nonalcoholic fatty liver diseases in mice. Journal of Clinical Investigation, 2003, 112, 91-100.	8.2	975
3	The fat-derived hormone adiponectin alleviates alcoholic and nonalcoholic fatty liver diseases in mice. Journal of Clinical Investigation, 2003, 112, 91-100.	8.2	560
4	Pancreatic amylin and calcitonin gene-related peptide cause resistance to insulin in skeletal muscle in vitro. Nature, 1988, 335, 632-635.	27.8	483
5	Testosterone Selectively Reduces the High Molecular Weight Form of Adiponectin by Inhibiting Its Secretion from Adipocytes. Journal of Biological Chemistry, 2005, 280, 18073-18080.	3.4	357
6	Adiponectin Inhibits Cell Proliferation by Interacting with Several Growth Factors in an Oligomerization-dependent Manner. Journal of Biological Chemistry, 2005, 280, 18341-18347.	3.4	342
7	Watching amyloid fibrils grow by time-lapse atomic force microscopy 1 Edited by W. Baumeister. Journal of Molecular Biology, 1999, 285, 33-39.	4.2	331
8	Amyloid Fibril Formation from Full-Length and Fragments of Amylin. Journal of Structural Biology, 2000, 130, 352-362.	2.8	312
9	Hydroxylation and Glycosylation of the Four Conserved Lysine Residues in the Collagenous Domain of Adiponectin. Journal of Biological Chemistry, 2002, 277, 19521-19529.	3.4	298
10	Polymorphic Fibrillar Assembly of Human Amylin. Journal of Structural Biology, 1997, 119, 17-27.	2.8	284
11	Amylin Compared with Calcitonin Gene-Related Peptide: Structure, Biology, and Relevance to Metabolic Disease. Endocrine Reviews, 1994, 15, 163-201.	20.1	280
12	Adiponectin Modulates the Glycogen Synthase Kinase-3 $\beta$ -Catenin Signaling Pathway and Attenuates Mammary Tumorigenesis of MDA-MB-231 Cells in Nude Mice. Cancer Research, 2006, 66, 11462-11470.	0.9	262
13	Robust Early Pregnancy Prediction of Later Preeclampsia Using Metabolomic Biomarkers. Hypertension, 2010, 56, 741-749.	2.7	242
14	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. Journal of Biological Chemistry, 2006, 281, 16391-16400.	3.4	222
15	The aggregation potential of human amylin determines its cytotoxicity towards islet $\beta$ -cells. FEBS Journal, 2006, 273, 3614-3624.	4.7	202
16	Proteomic analysis of the brain in Alzheimer's disease: Molecular phenotype of a complex disease process. Proteomics, 2001, 1, 1519.	2.2	172
17	Atomic Force Microscopy Reveals Defects Within Mica Supported Lipid Bilayers Induced by the Amyloidogenic Human Amylin Peptide. Journal of Molecular Biology, 2004, 342, 877-887.	4.2	151
18	Effects of calcitonin, amylin, and calcitonin gene-related peptide on osteoclast development. Bone, 2001, 29, 162-168.	2.9	149

#	ARTICLE	IF	CITATIONS
19	Regeneration of the Heart in Diabetes by Selective Copper Chelation. <i>Diabetes</i> , 2004, 53, 2501-2508.	0.6	143
20	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> , 1991, 179, 1-9.	2.1	142
21	Human Amylin Oligomer Growth and Fibril Elongation Define Two Distinct Phases in Amyloid Formation. <i>Journal of Biological Chemistry</i> , 2004, 279, 12206-12212.	3.4	141
22	Regional protein expression in human Alzheimer's brain correlates with disease severity. <i>Communications Biology</i> , 2019, 2, 43.	4.4	136
23	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> , 1989, 1014, 247-258.	4.1	134
24	Full-length Rat Amylin Forms Fibrils Following Substitution of Single Residues from Human Amylin. <i>Journal of Molecular Biology</i> , 2003, 326, 1147-1156.	4.2	121
25	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> , 2016, 1862, 1084-1092.	3.8	118
26	Amylin Stimulates Osteoblast Proliferation and Increases Mineralized Bone Volume in Adult Mice. <i>Biochemical and Biophysical Research Communications</i> , 1995, 207, 133-139.	2.1	116
27	Beneficial Hemodynamic and Renal Effects of Adrenomedullin in an Ovine Model of Heart Failure. <i>Circulation</i> , 1997, 96, 1983-1990.	1.6	106
28	Comparison of the Effects of Calcitonin Gene-Related Peptide and Amylin on Osteoblasts. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 1302-1309.	2.8	105
29	Postprandial response of adiponectin, interleukin-6, tumor necrosis factor- $\alpha$ , and C-reactive protein to a high-fat dietary load. <i>Nutrition</i> , 2008, 24, 322-329.	2.4	99
30	A proteomic approach identifies early pregnancy biomarkers for preeclampsia: Novel linkages between a predisposition to preeclampsia and cardiovascular disease. <i>Proteomics</i> , 2009, 9, 2929-2945.	2.2	99
31	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> , 2001, 360, 431-439.	3.7	95
32	Fibrillogenic Amylin Evokes Islet $\beta$ -Cell Apoptosis through Linked Activation of a Caspase Cascade and JNK1. <i>Journal of Biological Chemistry</i> , 2003, 278, 52810-52819.	3.4	94
33	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> , 2005, 54, 1468-1476.	0.6	94
34	Human colostrum: Identification of minor proteins in the aqueous phase by proteomics. <i>Proteomics</i> , 2006, 6, 2208-2216.	2.2	94
35	Adrenomedullin: A Hypotensive Hormone in Man. <i>Clinical Science</i> , 1997, 92, 467-472.	4.3	93
36	Amyloid-like inclusions in Huntington's disease. <i>Neuroscience</i> , 2000, 100, 677-680.	2.3	93

#	ARTICLE	IF	CITATIONS
37	Crystal structure of a substrate complex of myo-inositol oxygenase, a di-iron oxygenase with a key role in inositol metabolism. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15032-15037.	7.1	91
38	A comparative proteome analysis of hippocampal tissue from schizophrenic and Alzheimer's disease individuals. Molecular Psychiatry, 1999, 4, 173-178.	7.9	86
39	Comparative proteome analysis of the hippocampus implicates chromosome 6q in schizophrenia. Molecular Psychiatry, 2000, 5, 85-90.	7.9	84
40	Insulin resistance in the Zucker diabetic fatty rat: a metabolic characterisation of obese and lean phenotypes. Acta Diabetologica, 2005, 42, 162-170.	2.5	84
41	Therapeutic Potential of Copper Chelation with Triethylenetetramine in Managing Diabetes Mellitus and Alzheimer's Disease. Drugs, 2011, 71, 1281-1320.	10.9	81
42	Brain urea increase is an early Huntington's disease pathogenic event observed in a prodromal transgenic sheep model and HD cases. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E11293-E11302.	7.1	78
43	Is the failing heart out of fuel or a worn engine running rich? A study of mitochondria in old spontaneously hypertensive rats. Proteomics, 2008, 8, 2556-2572.	2.2	75
44	Adiponectin Haploinsufficiency Promotes Mammary Tumor Development in MMTV-PyVT Mice by Modulation of Phosphatase and Tensin Homolog Activities. PLoS ONE, 2009, 4, e4968.	2.5	75
45	Preptin, another peptide product of the pancreatic $\beta$ -cell, is osteogenic in vitro and in vivo. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E117-E122.	3.5	74
46	Mice Lacking the Neuropeptide $\beta$ -Calcitonin Gene-Related Peptide Are Protected Against Diet-Induced Obesity. Endocrinology, 2010, 151, 4257-4269.	2.8	74
47	Metabolic Dysfunction Is Restricted to the Sciatic Nerve in Experimental Diabetic Neuropathy. Diabetes, 2016, 65, 228-238.	0.6	74
48	Evidence for widespread, severe brain copper deficiency in Alzheimer's dementia. Metallomics, 2017, 9, 1106-1119.	2.4	74
49	Suppression by polycyclic compounds of the conversion of human amylin into insoluble amyloid. Biochemical Journal, 2003, 374, 779-784.	3.7	70
50	A copper(II)-selective chelator ameliorates left-ventricular hypertrophy in type 2 diabetic patients: a randomised placebo-controlled study. Diabetologia, 2009, 52, 715-722.	6.3	70
51	Proteomic and functional characterization of endogenous adiponectin purified from fetal bovine serum. Proteomics, 2004, 4, 3933-3942.	2.2	69
52	Characterization of bovine seminal plasma by proteomics. Proteomics, 2006, 6, 5826-5833.	2.2	69
53	Elevation of brain glucose and polyol-pathway intermediates with accompanying brain-copper deficiency in patients with Alzheimer's disease: metabolic basis for dementia. Scientific Reports, 2016, 6, 27524.	3.3	68
54	Three-colour fluorescence immunohistochemistry reveals the diversity of cells staining for macrophage markers in murine spleen and liver. Journal of Immunological Methods, 2008, 334, 70-81.	1.4	67

#	ARTICLE	IF	CITATIONS
55	Amylin injection causes elevated plasma lactate and glucose in the rat. <i>FEBS Letters</i> , 1991, 291, 101-104.	2.8	65
56	ULTRASTRUCTURAL EVIDENCE THAT APOPTOSIS IS THE MECHANISM BY WHICH HUMAN AMYLIN EVOKES DEATH IN RINm5F PANCREATIC ISLET $\beta$ -CELLS. <i>Cell Biology International</i> , 2001, 25, 339-350.	3.0	65
57	Amylin activates glycogen phosphorylase in the isolated soleus muscle of the rat. <i>FEBS Letters</i> , 1991, 281, 149-151.	2.8	63
58	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> , 2008, 51, 1741-1751.	6.3	62
59	Lipid-lowering effects of a modified butter-fat: a controlled intervention trial in healthy men. <i>European Journal of Clinical Nutrition</i> , 2002, 56, 64-71.	2.9	61
60	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> , 2015, 468, 161-166.	2.1	61
61	Systemic administration of amylin increases bone mass, linear growth, and adiposity in adult male mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 1998, 275, E694-E699.	3.5	60
62	Increased Expression and Activation of c-Jun Contributes to Human Amylin-induced Apoptosis in Pancreatic Islet $\beta$ -Cells. <i>Journal of Molecular Biology</i> , 2002, 324, 271-285.	4.2	60
63	Fas-Associated Death Receptor Signaling Evoked by Human Amylin in Islet $\beta$ -Cells. <i>Diabetes</i> , 2008, 57, 348-356.	0.6	58
64	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> , 1999, 455, 315-320.	2.8	57
65	Diabetic cardiomyopathy is associated with defective myocellular copper regulation and both defects are rectified by divalent copper chelation. <i>Cardiovascular Diabetology</i> , 2014, 13, 100.	6.8	57
66	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> , 2001, 360, 431.	3.7	56
67	Proteomic characterization of human serum proteins associated with the fat-derived hormone adiponectin. <i>Proteomics</i> , 2006, 6, 3862-3870.	2.2	52
68	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 Type 2 diabetes. <i>Biochemical Journal</i> , 2010, 432, 113-121.	3.7	52
69	Thiol reducing compounds prevent human amylin-evoked cytotoxicity. <i>FEBS Journal</i> , 2005, 272, 4949-4959.	4.7	51
70	Tetracycline Treatment Retards the Onset and Slows the Progression of Diabetes in Human Amylin/Islet Amyloid Polypeptide Transgenic Mice. <i>Diabetes</i> , 2010, 59, 161-171.	0.6	50
71	Amylin secretion from the perfused pancreas: Dissociation from insulin and abnormal elevation in insulin-resistant diabetic rats. <i>Biochemical and Biophysical Research Communications</i> , 1991, 180, 782-789.	2.1	49
72	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> , 2009, 8, 178-186.	3.7	49

#	ARTICLE	IF	CITATIONS
73	Cerebral deficiency of vitamin B5 (d-pantothenic acid; pantothenate) as a potentially-reversible cause of neurodegeneration and dementia in sporadic Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2020, 527, 676-681.	2.1	49
74	Identification of novel putative membrane proteins selectively expressed during adipose conversion of 3T3-L1 cells. <i>Biochemical and Biophysical Research Communications</i> , 2002, 293, 1161-1167.	2.1	48
75	Altered Calcium Homeostasis Does Not Explain the Contractile Deficit of Diabetic Cardiomyopathy. <i>Diabetes</i> , 2008, 57, 2158-2166.	0.6	48
76	Complex formation equilibria of Cu <sup>II</sup> and Zn <sup>II</sup> with triethylenetetramine and its mono- and di-acetyl metabolites. <i>Dalton Transactions</i> , 2013, 42, 6161-6170.	3.3	48
77	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> , 2006, 60, 77-84.	2.9	47
78	Cerebral Vitamin B5 (D-Pantothenic Acid) Deficiency as a Potential Cause of Metabolic Perturbation and Neurodegeneration in Huntington's Disease. <i>Metabolites</i> , 2019, 9, 113.	2.9	47
79	Redox status of acute pancreatitis as measured by cyclic voltammetry: Initial rodent studies to assess disease severity*. <i>Critical Care Medicine</i> , 2008, 36, 866-872.	0.9	46
80	Calcitonin gene-related peptide and somatostatin inhibit insulin release from individual rat B cells. <i>Molecular and Cellular Endocrinology</i> , 1988, 57, 41-49.	3.2	45
81	8-37 h-CGRP antagonizes actions of amylin on carbohydrate metabolism in vitro and in vivo. <i>FEBS Letters</i> , 1991, 291, 195-198.	2.8	44
82	Proteome map of the human hippocampus. , 1999, 9, 644-650.		43
83	Role of Ca <sup>2+</sup> in apoptosis evoked by human amylin in pancreatic islet $\beta$ -cells. <i>Biochemical Journal</i> , 1999, 343, 53-61.	3.7	43
84	Combined Endopeptidase Inhibition and Adrenomedullin in Sheep With Experimental Heart Failure. <i>Hypertension</i> , 2002, 39, 93-98.	2.7	43
85	An altered pattern of circulating apolipoprotein E3 isoforms is implicated in preeclampsia. <i>Journal of Lipid Research</i> , 2009, 50, 71-80.	4.2	43
86	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> , 2015, 11, 1068-1080.	3.0	43
87	The role of amylin in the insulin resistance of non-insulin-dependent diabetes mellitus. <i>Trends in Biochemical Sciences</i> , 1990, 15, 295-299.	7.5	42
88	Molecular Changes Evoked by Triethylenetetramine Treatment in the Extracellular Matrix of the Heart and Aorta in Diabetic Rats. <i>Molecular Pharmacology</i> , 2006, 70, 2045-2051.	2.3	41
89	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> , 2013, 12, 3148-3159.	3.8	41
90	Integrity of the Human Faecal Microbiota following Long-Term Sample Storage. <i>PLoS ONE</i> , 2016, 11, e0163666.	2.5	41

#	ARTICLE	IF	CITATIONS
91	Calcitonin gene-related peptide-1 (CGRP-1) is a potent regulator of glycogen metabolism in rat skeletal muscle. <i>FEBS Letters</i> , 1989, 249, 357-361.	2.8	40
92	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> , 2010, 53, 1217-1226.	6.3	40
93	Evidence That Multiple Defects in Lipid Regulation Occur before Hyperglycemia during the Prodrome of Type-2 Diabetes. <i>PLoS ONE</i> , 2014, 9, e103217.	2.5	40
94	Determination of protein for studies of marine herbivory: a comparison of methods. <i>Journal of Experimental Marine Biology and Ecology</i> , 2000, 244, 45-65.	1.5	38
95	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> , 2013, 12, 123.	6.8	38
96	The pathogenic mechanism of diabetes varies with the degree of overexpression and oligomerization of human amylin in the pancreatic islet $\beta^2$ cells. <i>FASEB Journal</i> , 2014, 28, 5083-5096.	0.5	38
97	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> , 2016, 1862, 1650-1662.	3.8	38
98	Characterization of proteomic changes in cardiac mitochondria in streptozotocin-diabetic rats using iTRAQ $\alpha$ , $\beta$ isobaric tags. <i>Proteomics - Clinical Applications</i> , 2007, 1, 565-576.	1.6	37
99	Evidence that $\beta$ -Calcitonin Gene-Related Peptide Is a Neurohormone that Controls Systemic Lipid Availability and Utilization. <i>Endocrinology</i> , 2008, 149, 154-160.	2.8	37
100	Quantitative proteomic profiling identifies new renal targets of copper(II)-selective chelation in the reversal of diabetic nephropathy in rats. <i>Proteomics</i> , 2009, 9, 4309-4320.	2.2	37
101	Treatment with a copper-selective chelator causes substantive improvement in cardiac function of diabetic rats with left-ventricular impairment. <i>Cardiovascular Diabetology</i> , 2013, 12, 28.	6.8	36
102	Integrin shedding as a mechanism of cellular adaptation during cardiac growth. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H2227-H2234.	3.2	35
103	The proteome of rodent mesenteric lymph. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, G895-G903.	3.4	35
104	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> , 2020, 522, 220-225.	2.1	35
105	Proteomic analysis of adipocyte differentiation: Evidence that $\beta_2$ macroglobulin is involved in the adipose conversion of 3T3 L1 preadipocytes. <i>Proteomics</i> , 2004, 4, 1840-1848.	2.2	32
106	Activation of activating transcription factor 2 by p38 MAP kinase during apoptosis induced by human amylin in cultured pancreatic $\beta^2$ -cells. <i>FEBS Journal</i> , 2006, 273, 3779-3791.	4.7	32
107	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> , 2007, 35, 221-227.	3.3	32
108	Replacement of the CysA7 $\alpha$ -CysB7 disulfide bond with a 1,2,3-triazole linker causes unfolding in insulin glargine. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4059-4063.	2.8	32



#	ARTICLE	IF	CITATIONS
109	Hemodynamic, Hormonal, and Renal Effects of Intracerebroventricular Adrenomedullin in Conscious Sheep*. <i>Endocrinology</i> , 1998, 139, 1746-1751.	2.8	31
110	Adiponectin Induces A20 Expression in Adipose Tissue to Confer Metabolic Benefit. <i>Diabetes</i> , 2015, 64, 128-136.	0.6	31
111	Systemic administration of a novel octapeptide, amylin-(1-8), increases bone volume in male mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 279, E730-E735.	3.5	30
112	Chronic treatment with growth hormone stimulates adiponectin gene expression in 3T3-L1 adipocytes. <i>FEBS Letters</i> , 2004, 572, 129-134.	2.8	30
113	Systemic administration of adrenomedullin(27-52) increases bone volume and strength in male mice. <i>Journal of Endocrinology</i> , 2001, 170, 251-257.	2.6	29
114	Alteration in Phosphorylation of P20 Is Associated With Insulin Resistance. <i>Diabetes</i> , 2001, 50, 1821-1827.	0.6	29
115	Amylin gene promoter mutations predispose to Type 2 diabetes in New Zealand Maori. <i>Diabetologia</i> , 2003, 46, 574-578.	6.3	29
116	Acute pancreatitis severity is exacerbated by intestinal ischemia-reperfusion conditioned mesenteric lymph. <i>Surgery</i> , 2008, 143, 404-413.	1.9	28
117	Aberrant Processing of Plasma Vitronectin and High-Molecular-Weight Kininogen Precedes the Onset of Preeclampsia. <i>Reproductive Sciences</i> , 2009, 16, 1144-1152.	2.5	28
118	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> , 2009, 297, C766-C774.	4.6	28
119	CHANGES IN THE MESENTERIC LYMPH PROTEOME INDUCED BY HEMORRHAGIC SHOCK. <i>Shock</i> , 2010, 34, 140-149.	2.1	28
120	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> , 2017, 482, 625-631.	2.1	28
121	Spontaneous Diabetes in Hemizygous Human Amylin Transgenic Mice That Developed Neither Islet Amyloid nor Peripheral Insulin Resistance. <i>Diabetes</i> , 2008, 57, 2737-2744.	0.6	27
122	DIABETES-ASSOCIATED PEPTIDE. <i>Lancet, The</i> , 1987, 330, 966.	13.7	26
123	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> , 2007, 28, 284-293.	2.3	26
124	Insulin and insulin antagonists evoke phosphorylation of P20 at serine 157 and serine 16 respectively in rat skeletal muscle. <i>FEBS Letters</i> , 1999, 462, 25-30.	2.8	25
125	Pharmacokinetic and Pharmacodynamic Modeling of a Copper-Selective Chelator (TETA) in Healthy Adults. <i>Journal of Clinical Pharmacology</i> , 2009, 49, 916-928.	2.0	25
126	Is type 2 diabetes an amyloidosis and does it really matter (to patients)? <i>Diabetologia</i> , 2010, 53, 1011-1016.	6.3	25



#	ARTICLE	IF	CITATIONS
127	Pharmacokinetics, Pharmacodynamics, and Metabolism of Triethylenetetramine in Healthy Human Participants: An Open-Label Trial. <i>Journal of Clinical Pharmacology</i> , 2010, 50, 647-658.	2.0	25
128	Mechanisms Underlying the Antidiabetic Activities of Polyphenolic Compounds: A Review. <i>Frontiers in Pharmacology</i> , 2021, 12, 798329.	3.5	25
129	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> , 2007, 859, 62-68.	2.3	24
130	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> , 2015, 460, 549-554.	2.1	24
131	Amylin and insulin co-replacement therapy for insulin-dependent (type I) diabetes mellitus. <i>Medical Hypotheses</i> , 1991, 36, 284-288.	1.5	23
132	Daily amylin replacement reverses hepatic glycogen depletion in insulin-treated streptozotocin diabetic rats. <i>FEBS Letters</i> , 1991, 287, 203-205.	2.8	23
133	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> , 2007, 1, 387-399.	1.6	23
134	No Evidence of an Effect of Alterations in Dietary Fatty Acids on Fasting Adiponectin Over 3 Weeks. <i>Obesity</i> , 2008, 16, 592-599.	3.0	23
135	Synthesis of glycosylated 5-hydroxylysine, an important amino acid present in collagen-like proteins such as adiponectin. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1137.	2.8	23
136	Synthesis of Monolysyl Advanced Glycation Endproducts and Their Incorporation into Collagen Model Peptides. <i>Organic Letters</i> , 2012, 14, 5740-5743.	4.6	23
137	The amylin superfamily: A novel grouping of biologically active polypeptides related to the insulin A-chain. <i>Progress in Growth Factor Research</i> , 1989, 1, 99-105.	1.6	22
138	Early organ-specific mitochondrial dysfunction of jejunum and lung found in rats with experimental acute pancreatitis. <i>Hpb</i> , 2011, 13, 332-341.	0.3	22
139	Proteomic Analysis of the Human Brain in Huntington's Disease Indicates Pathogenesis by Molecular Processes Linked to other Neurodegenerative Diseases and to Type-2 Diabetes. <i>Journal of Huntington's Disease</i> , 2013, 2, 89-99.	1.9	22
140	Shared perturbations in the metallome and metabolome of Alzheimer's, Parkinson's, Huntington's, and dementia with Lewy bodies: A systematic review. <i>Ageing Research Reviews</i> , 2020, 63, 101152.	10.9	22
141	Ethnic Disparity of Pancreatic Cancer in New Zealand. <i>International Journal of Gastrointestinal Cancer</i> , 2002, 31, 137-146.	0.4	21
142	Widespread Decreases in Cerebral Copper Are Common to Parkinson's Disease Dementia and Alzheimer's Disease Dementia. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 641222.	3.4	21
143	Evidence that amylin stimulates lipolysis in vivo: a possible mediator of induced insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 280, E562-E569.	3.5	20
144	Effect of moderate changes in dietary fatty acid profile on postprandial lipaemia, haemostatic and related CVD risk factors in healthy men. <i>European Journal of Clinical Nutrition</i> , 2004, 58, 819-827.	2.9	20

#	ARTICLE	IF	CITATIONS
145	Restoration of myocellular copper-trafficking proteins and mitochondrial copper enzymes repairs cardiac function in rats with diabetes-evoked heart failure. <i>Metallomics</i> , 2020, 12, 259-272.	2.4	20
146	Role of Ca <sup>2+</sup> in apoptosis evoked by human amylin in pancreatic islet $\beta$ -cells. <i>Biochemical Journal</i> , 1999, 343, 53.	3.7	20
147	Amylin hormone. <i>Nature</i> , 1989, 340, 272-272.	27.8	19
148	Cognitive dysfunction in diabetic rats is prevented by pyridoxamine treatment. A multidisciplinary investigation. <i>Molecular Metabolism</i> , 2019, 28, 107-119.	6.5	19
149	Direct visualisation of peptide hormones in cultured pancreatic islet $\alpha$ - and $\beta$ -cells by intact-cell mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3452-3458.	1.5	18
150	Diabetes-induced alterations in tissue collagen and carboxymethyllysine in rat kidneys: Association with increased collagen-degrading proteinases and amelioration by Cu(II)-selective chelation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2015, 1852, 1610-1618.	3.8	18
151	Acute application of human amylin, unlike $\beta$ -amyloid peptides, kills undifferentiated PC12 cells by apoptosis. <i>NeuroReport</i> , 1997, 8, 3945-3949.	1.2	17
152	Combined angiotensin-converting enzyme inhibition and adrenomedullin in an ovine model of heart failure. <i>Clinical Science</i> , 2002, 102, 653-660.	4.3	17
153	Harmin Induces Adipocyte Thermogenesis through RAC1-MEK-ERK-CHD4 Axis. <i>Scientific Reports</i> , 2016, 6, 36382.	3.3	17
154	Substantively Lowered Levels of Pantothenic Acid (Vitamin B5) in Several Regions of the Human Brain in Parkinson's Disease Dementia. <i>Metabolites</i> , 2021, 11, 569.	2.9	17
155	Adrenomedullin Attenuates Pressor Response to Angiotensin II in Conscious Sheep. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 36, 526-532.	1.9	17
156	THE REDOX STATUS OF EXPERIMENTAL HEMORRHAGIC SHOCK AS MEASURED BY CYCLIC VOLTAMMETRY. <i>Shock</i> , 2010, 33, 460-466.	2.1	17
157	Phosphorylation of P20 is associated with the actions of insulin in rat skeletal and smooth muscle. <i>Biochemical Journal</i> , 1999, 344, 971-976.	3.7	15
158	Gall bladder cancer, extrahepatic bile duct cancer and ampullary carcinoma in New Zealand: Demographics, pathology and survival. <i>ANZ Journal of Surgery</i> , 2002, 72, 857-861.	0.7	15
159	Characterization of Dicarboxylic Salts of Protonated Triethylenetetramine Useful for the Treatment of Copper-Related Pathologies. <i>Crystal Growth and Design</i> , 2007, 7, 1844-1850.	3.0	15
160	Tissue-Specific Sample Dilution: An Important Parameter to Optimise Prior to Untargeted LC-MS Metabolomics. <i>Metabolites</i> , 2019, 9, 124.	2.9	15
161	A Potential Role for Adrenomedullin as a Local Regulator of Bone Growth. <i>Endocrinology</i> , 2001, 142, 1849-1857.	2.8	15
162	Site-specific cross-linking of collagen peptides by lysyl advanced glycation endproducts. <i>Chemical Communications</i> , 2014, 50, 4944-4946.	4.1	14

#	ARTICLE	IF	CITATIONS
163	On the structure of the copper-amylin complex. <i>International Journal of Mass Spectrometry</i> , 2015, 391, 47-53.	1.5	14
164	Coenzyme A-Dependent Tricarboxylic Acid Cycle Enzymes Are Decreased in Alzheimer's Disease Consistent With Cerebral Pantothenate Deficiency. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	3.4	14
165	Proteomic analysis of whey and casein proteins in early milk from the marsupial <i>Trichosurus vulpecula</i> , the common brushtail possum. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2007, 2, 112-120.	1.0	13
166	$\hat{\pm}$ -Calcitonin gene related peptide ( $\hat{\pm}$ -CGRP) mediated lipid mobilization in 3T3-L1 adipocytes. <i>Peptides</i> , 2014, 58, 14-19.	2.4	13
167	Modelling atherosclerosis by proteomics: Molecular changes in the ascending aortas of cholesterol-fed rabbits. <i>Atherosclerosis</i> , 2015, 242, 268-276.	0.8	13
168	Essential roles of insulin, AMPK signaling and lysyl and prolyl hydroxylases in the biosynthesis and multimerization of adiponectin. <i>Molecular and Cellular Endocrinology</i> , 2015, 399, 164-177.	3.2	13
169	Plasma metals as potential biomarkers in dementia: a case-control study in patients with sporadic Alzheimer's disease. <i>BioMetals</i> , 2018, 31, 267-276.	4.1	13
170	Development and validation of a rapid HPLC method for the simultaneous determination of triethylenetetramine and its two main metabolites in human serum. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 860, 42-48.	2.3	12
171	Glicentin-related pancreatic polypeptide inhibits glucose-stimulated insulin secretion from the isolated pancreas of adult male rats. <i>Physiological Reports</i> , 2015, 3, e12638.	1.7	12
172	Physicochemical studies on the copper binding by glycated collagen telopeptides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3058-3063.	2.8	12
173	Effects of Alterations of Post-Mortem Delay and Other Tissue-Collection Variables on Metabolite Levels in Human and Rat Brain. <i>Metabolites</i> , 2020, 10, 438.	2.9	12
174	Evidence that levels of nine essential metals in post-mortem human-Alzheimer's-brain and <i>ex vivo</i> rat-brain tissues are unaffected by differences in post-mortem delay, age, disease staging, and brain bank location. <i>Metallomics</i> , 2020, 12, 952-962.	2.4	12
175	Mapping of the ATP-binding domain of human fructosamine 3-kinase-related protein by affinity labelling with 5-[(fluorosulfonyl)benzoyl]adenosine. <i>Biochemical Journal</i> , 2008, 416, 281-288.	3.7	11
176	Synthesis of the IGF-II-like hormone vesiculin using regioselective formation of disulfide bonds. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3145.	2.8	11
177	Amylin and Severe Acute Pancreatitis. <i>Pancreas</i> , 2000, 20, 105-106.	1.1	11
178	Amylin compared with calcitonin gene-related peptide: structure, biology, and relevance to metabolic disease. , 1994, 15, 163-201.		11
179	A Method Using Laser Doppler Flowmetry to Study Intestinal and Pancreatic Perfusion during an Acute Intestinal Ischaemic Injury in Rats with Pancreatitis. <i>European Surgical Research</i> , 2001, 33, 361-369.	1.3	10
180	Purification, crystallization and preliminary crystallographic analysis of mouse myo-inositol oxygenase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2006, 62, 811-813.	0.7	10

#	ARTICLE	IF	CITATIONS
181	A simple and rapid method for identifying and semi-quantifying peptide hormones in isolated pancreatic islets by direct-tissue matrix-assisted laser desorption ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3387-3395.	1.5	10
182	Plasma Clusterin Increased Prior to Small for Gestational Age (SGA) Associated With Preeclampsia and Decreased Prior to SGA in Normotensive Pregnancies. <i>Reproductive Sciences</i> , 2012, 19, 650-657.	2.5	10
183	Thalamic amplification of sensory input in experimental diabetes. <i>European Journal of Neuroscience</i> , 2016, 44, 1779-1786.	2.6	10
184	Untargeted metabolomics reveals plasma metabolites predictive of ectopic fat in pancreas and liver as assessed by magnetic resonance imaging: the TOFI_Asia study. <i>International Journal of Obesity</i> , 2021, 45, 1844-1854.	3.4	10
185	Copper chelation in patients with hypertrophic cardiomyopathy. <i>Open Heart</i> , 2022, 9, e001803.	2.3	10
186	A novel two-chain IGF-II-derived peptide from purified Î²-cell granules. <i>Growth Hormone and IGF Research</i> , 2010, 20, 360-366.	1.1	9
187	Severe and Regionally Widespread Increases in Tissue Urea in the Human Brain Represent a Novel Finding of Pathogenic Potential in Parkinson's Disease Dementia. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 711396.	2.9	9
188	Biochemical evidence that high concentrations of the antidepressant amoxapine may cause inhibition of mitochondrial electron transport. <i>Toxicology and Applied Pharmacology</i> , 1988, 93, 118-126.	2.8	8
189	Phosphorylation of P20 is associated with the actions of insulin in rat skeletal and smooth muscle. <i>Biochemical Journal</i> , 1999, 344, 971.	3.7	8
190	Plasma amylin concentration is related to the severity of intestinal ischemic injury in rats. <i>Surgery</i> , 2001, 129, 730-735.	1.9	8
191	Illuminating the molecular basis of diabetic arteriopathy: A proteomic comparison of aortic tissue from diabetic and healthy rats. <i>Proteomics</i> , 2010, 10, 3367-3378.	2.2	8
192	Combined angiotensin-converting enzyme inhibition and adrenomedullin in an ovine model of heart failure. <i>Clinical Science</i> , 2002, 102, 653.	4.3	7
193	Low-dose copper infusion into the coronary circulation induces acute heart failure in diabetic rats: New mechanism of heart disease. <i>Biochemical Pharmacology</i> , 2015, 97, 62-76.	4.4	7
194	Metabolomic signatures for visceral adiposity and dysglycaemia in Asian Chinese and Caucasian European adults: the cross-sectional TOFI_Asia study. <i>Nutrition and Metabolism</i> , 2020, 17, 95.	3.0	7
195	Widespread severe cerebral elevations of haptoglobin and haemopexin in sporadic Alzheimer's disease: Evidence for a pervasive microvasculopathy. <i>Biochemical and Biophysical Research Communications</i> , 2021, 555, 89-94.	2.1	7
196	Pancreas Fat, an Early Marker of Metabolic Risk? A Magnetic Resonance Study of Chinese and Caucasian Women: TOFI_Asia Study. <i>Frontiers in Physiology</i> , 2022, 13, 819606.	2.8	7
197	Amylin, Amyloid and Age-Related Disease. <i>Drugs and Aging</i> , 1996, 9, 202-212.	2.7	6
198	A unique case of neural amyloidoma diagnosed by mass spectrometry of formalin-fixed tissue using a novel preparative technique. <i>Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis</i> , 2011, 18, 147-155.	3.0	6

#	ARTICLE	IF	CITATIONS
199	Synthesis of stable isotope-labelled monolysyl advanced glycation endproducts. <i>Amino Acids</i> , 2013, 45, 319-325.	2.7	6
200	Complex formation equilibria of Cu <sup>2+</sup> and Zn <sup>2+</sup> with Irbesartan and Losartan. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 97, 158-169.	4.0	6
201	A Multi-Omic Huntington's Disease Transgenic Sheep-Model Database for Investigating Disease Pathogenesis. <i>Journal of Huntington's Disease</i> , 2021, 10, 423-434.	1.9	6
202	A Reappraisal of Current Hypotheses concerning the Possible Roles of Amylin in Physiology, Pathology and Therapeutics. <i>Clinical Science</i> , 1995, 88, 7-12.	4.3	5
203	Identification and characterization of a bovine myosin light chain-1 fast polymorphism. <i>Proteomics</i> , 2001, 1, 1495.	2.2	5
204	Abnormalities of selenium but not of copper homeostasis may drive tissue fibrosis in patients with systemic sclerosis. <i>Rheumatology</i> , 2015, 54, 747-748.	1.9	5
205	Conversion of non-adipogenic fibroblasts into adipocytes by a defined hormone mixture. <i>Biochemical Journal</i> , 2015, 467, 487-494.	3.7	5
206	Amylin evokes phosphorylation of P20 in rat skeletal muscle. <i>FEBS Letters</i> , 1999, 457, 149-152.	2.8	4
207	Coordination of mammary metabolism and blood flow after refeeding in rats. <i>Journal of Dairy Science</i> , 2009, 92, 1543-1553.	3.4	4
208	Using Mass Spectrometry to Detect, Differentiate, and Semiquantitate Closely Related Peptide Hormones in Complex Milieu: Measurement of IGF-II and Vesiculin. <i>Endocrinology</i> , 2015, 156, 1194-1199.	2.8	4
209	Incorporation of <i>click</i> ™ chemistry glycomimetics dramatically alters triple-helix stability in an adiponectin model peptide. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 5602-5608.	2.8	4
210	Altered metabolic gene expression in the brain of a triprolyl-human amylin transgenic mouse model of type 2 diabetes. <i>Scientific Reports</i> , 2019, 9, 14588.	3.3	4
211	A possible mechanism of toxicity by the antidepressant amoxapine based on its effects in three in vitro models. <i>Toxicology in Vitro</i> , 1989, 3, 285-291.	2.4	3
212	Intestinal Ischaemia-Reperfusion Increases Plasma Amylin Concentration in Rats. <i>European Surgical Research</i> , 1999, 31, 457-464.	1.3	3
213	GSK3 involvement in amylin signaling in isolated rat soleus muscle. <i>Peptides</i> , 2004, 25, 2119-2125.	2.4	3
214	Contrasting Sodium and Potassium Perturbations in the Hippocampus Indicate Potential Na <sup>+</sup> /K <sup>+</sup> -ATPase Dysfunction in Vascular Dementia. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 822787.	3.4	3
215	Nucleotide sequence of a cDNA for canine amylin. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992, 1130, 97-99.	2.4	2
216	Synthesis of Biologically Active Tritiated Amylin and Salmon Calcitonin Analogues. <i>Analytical Biochemistry</i> , 2000, 285, 100-104.	2.4	2

#	ARTICLE	IF	CITATIONS
217	Hepatocyte nuclear factor 1 negatively regulates amylin gene expression. <i>Biochemical and Biophysical Research Communications</i> , 2003, 310, 464-469.	2.1	2
218	Peripherally administered desacetyl $\hat{I}\pm$ -MSH and $\hat{I}\pm$ -MSH both influence postnatal rat growth and associated rat hypothalamic protein expression. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 291, E1372-E1380.	3.5	2
219	Synthesis, crystal structure, and protonation behaviour in solution of the recently-discovered drug metabolite, N1,N10-diacetyltriethylenetetramine. <i>Journal of Molecular Structure</i> , 2012, 1012, 37-42.	3.6	2
220	Expedient Synthesis of Peptides Containing N $\hat{I}\mu$ -Carboxymethyllysine. <i>Synlett</i> , 2014, 25, 1835-1838.	1.8	2
221	Misrepresentation of the National Women's Hospital in Auckland, New Zealand. <i>American Journal of Public Health</i> , 2016, 106, 1208-1209.	2.7	2
222	Quantitative data describing the impact of the flavonol rutin on in-vivo blood-glucose and fluid-intake profiles, and survival of human-amylin transgenic mice. <i>Data in Brief</i> , 2017, 10, 298-303.	1.0	2
223	Glucoregulatory activity of vesiculin in insulin sensitive and resistant mice. <i>Peptides</i> , 2019, 116, 1-7.	2.4	2
224	Synthesis and activity of human amylin and analogs. , 1992, , 441-442.		2
225	Dissecting the relationship between plasma and tissue metabolome in a cohort of women with obesity: Analysis of subcutaneous and visceral adipose, muscle, and liver. <i>FASEB Journal</i> , 2022, 36, .	0.5	2
226	Effects of rat calcitonin-gene-related peptide-1 on cyclic AMP levels in skeletal muscle of the rat. <i>Biochemical Society Transactions</i> , 1989, 17, 511-512.	3.4	1
227	Therapeutic Potential of Human Amylin Analogues in Diabetes Mellitus. <i>BioDrugs</i> , 1998, 10, 1-9.	4.6	1
228	Amylin evokes protein p20 phosphorylation and insulin resistance in rat skeletal muscle extensor digitorum longus. <i>Science in China Series C: Life Sciences</i> , 2002, 45, 159.	1.3	1
229	Fates intertwined. <i>Nature Biotechnology</i> , 2006, 24, 252-254.	17.5	1
230	of the : Current Understanding and Future Opportunities. , 2011, , 327-362.		1
231	Intravitreal Pharmacokinetic Study of the Antiangiogenic Glycoprotein Opticin. <i>Molecular Pharmaceutics</i> , 2020, 17, 2390-2397.	4.6	1
232	Pan-cerebral sodium elevations in vascular dementia: Evidence for disturbed brain-sodium homeostasis. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	3.4	1
233	Effects of STZ-induced diabetes on contraction and Ca <sup>2+</sup> transient in rat left ventricular trabeculae. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S169.	1.9	0
234	BS4-A Applications of proteomics in diabetes: route to new and improved understanding of disease mechanisms and the generation of new therapeutic approaches. <i>Diabetes Research and Clinical Practice</i> , 2008, 79, S5.	2.8	0

#	ARTICLE	IF	CITATIONS
235	3,12-Diaza-6,9-diazonia-2,13-dioxotetradecane bis(perchlorate). Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o333-o334.	0.2	0
236	Vesiculin derived from IGF-II drives increased islet cell mass in a mouse model of pre-diabetes. Islets, 2022, 14, 1-9.	1.8	0