

Garth J S Cooper

List of Publications by Year in descending order

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236
papers

14,441
citations

22153

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22832

112
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all docs

241
docs citations

241
times ranked

13496
citing authors

#	ARTICLE	IF	CITATIONS
1	Vesiculin derived from IGF-II drives increased islet cell mass in a mouse model of pre-diabetes. <i>Islets</i> , 2022, 14, 1-9.	1.8	0
2	Contrasting Sodium and Potassium Perturbations in the Hippocampus Indicate Potential Na ⁺ /K ⁺ -ATPase Dysfunction in Vascular Dementia. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 822787.	3.4	3
3	Copper chelation in patients with hypertrophic cardiomyopathy. <i>Open Heart</i> , 2022, 9, e001803.	2.3	10
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Mechanisms Underlying the Antidiabetic Activities of Polyphenolic Compounds: A Review. <i>Frontiers in Pharmacology</i> , 2021, 12, 798329.	3.5	25
13	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
14	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
15	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
16	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
17	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
18	Evidence that levels of nine essential metals in post-mortem human-Alzheimer's-brain and ex vivo 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

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19	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
20	Intravitreal Pharmacokinetic Study of the Antiangiogenic Glycoprotein Opticin. <i>Molecular Pharmaceutics</i> , 2020, 17, 2390-2397.	4.6	1
21	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
22	Tissue-Specific Sample Dilution: An Important Parameter to Optimise Prior to Untargeted LC-MS Metabolomics. <i>Metabolites</i> , 2019, 9, 124.	2.9	15
23	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
24	Cognitive dysfunction in diabetic rats is prevented by pyridoxamine treatment. A multidisciplinary investigation. <i>Molecular Metabolism</i> , 2019, 28, 107-119.	6.5	19
25	Regional protein expression in human Alzheimer's brain correlates with disease severity. <i>Communications Biology</i> , 2019, 2, 43.	4.4	136
26	Glucoregulatory activity of vesiculin in insulin sensitive and resistant mice. <i>Peptides</i> , 2019, 116, 1-7.	2.4	2
27	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
28	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
29	Incorporation of click 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
30	Evidence for widespread, severe brain copper deficiency in Alzheimer's dementia. <i>Metallomics</i> , 2017, 9, 1106-1119.	2.4	74
31	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> , 2017, 114, E11293-E11302.	7.1	78
32	Complex formation equilibria of Cu ²⁺ and Zn ²⁺ with Irbesartan and Losartan. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 97, 158-169.	4.0	6
33	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
34	Metabolic Dysfunction Is Restricted to the Sciatic Nerve in Experimental Diabetic Neuropathy. <i>Diabetes</i> , 2016, 65, 228-238.	0.6	74
35	Integrity of the Human Faecal Microbiota following Long-Term Sample Storage. <i>PLoS ONE</i> , 2016, 11, e0163666.	2.5	41
36	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> , 2016, 6, 27524.	3.3	68

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37	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
38	Thalamic amplification of sensory input in experimental diabetes. <i>European Journal of Neuroscience</i> , 2016, 44, 1779-1786.	2.6	10
39	Harmine Induces Adipocyte Thermogenesis through RAC1-MEK-ERK-CHD4 Axis. <i>Scientific Reports</i> , 2016, 6, 36382.	3.3	17
40	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
41	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
42	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
43	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> , 2015, 13, 4059-4063.	2.8	32
44	On the structure of the copper-amylin complex. <i>International Journal of Mass Spectrometry</i> , 2015, 391, 47-53.	1.5	14
45	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
46	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
47	Physicochemical studies on the copper binding by glycosylated collagen telopeptides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3058-3063.	2.8	12
48	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
49	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
50	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
51	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
52	Modelling atherosclerosis by proteomics: Molecular changes in the ascending aortas of cholesterol-fed rabbits. <i>Atherosclerosis</i> , 2015, 242, 268-276.	0.8	13
53	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
54	Conversion of non-adipogenic fibroblasts into adipocytes by a defined hormone mixture. <i>Biochemical Journal</i> , 2015, 467, 487-494.	3.7	5

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55	Adiponectin Induces A20 Expression in Adipose Tissue to Confer Metabolic Benefit. <i>Diabetes</i> , 2015, 64, 128-136.	0.6	31
56	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
57	Expedient Synthesis of Peptides Containing N Îµ-Carboxymethyllysine. <i>Synlett</i> , 2014, 25, 1835-1838.	1.8	2
58	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
59	Site-specific cross-linking of collagen peptides by lysyl advanced glycation endproducts. <i>Chemical Communications</i> , 2014, 50, 4944-4946.	4.1	14
60	The pathogenic mechanism of diabetes varies with the degree of overexpression and oligomerization of human amylin in the pancreatic islet Î² cells. <i>FASEB Journal</i> , 2014, 28, 5083-5096.	0.5	38
61	Î±-Calcitonin gene related peptide (Î±-CGRP) mediated lipid mobilization in 3T3-L1 adipocytes. <i>Peptides</i> , 2014, 58, 14-19.	2.4	13
62	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
63	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
64	Synthesis of stable isotope-labelled monolysyl advanced glycation endproducts. <i>Amino Acids</i> , 2013, 45, 319-325.	2.7	6
65	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
66	Complex formation equilibria of Cu ^{II} and Zn ^{II} with triethylenetetramine and its mono- and di-acetyl metabolites. <i>Dalton Transactions</i> , 2013, 42, 6161-6170.	3.3	48
67	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
68	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
69	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
70	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
71	3,12-Diaza-6,9-diazonia-2,13-dioxotetradecane bis(perchlorate). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o333-o334.	0.2	0
72	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

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73	Synthesis of Monolysyl Advanced Glycation Endproducts and Their Incorporation into Collagen Model Peptides. <i>Organic Letters</i> , 2012, 14, 5740-5743.	4.6	23
74	Synthesis, crystal structure, and protonation behaviour in solution of the recently-discovered drug metabolite, N1,N10-diacetyltrithylenetetramine. <i>Journal of Molecular Structure</i> , 2012, 1012, 37-42.	3.6	2
75	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
76	Therapeutic Potential of Copper Chelation with Triethylenetetramine in Managing Diabetes Mellitus and Alzheimer's Disease. <i>Drugs</i> , 2011, 71, 1281-1320.	10.9	81
77	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
78	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
79	of the : Current Understanding and Future Opportunities. , 2011, , 327-362.		1
80	The chaperone proteins HSP70, HSP40/DnaJ and GRP78/BiP suppress misfolding and formation of β -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
81	CHANGES IN THE MESENTERIC LYMPH PROTEOME INDUCED BY HEMORRHAGIC SHOCK. <i>Shock</i> , 2010, 34, 140-149.	2.1	28
82	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
83	Is type 2 diabetes an amyloidosis and does it really matter (to patients)?. <i>Diabetologia</i> , 2010, 53, 1011-1016.	6.3	25
84	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
85	Robust Early Pregnancy Prediction of Later Preeclampsia Using Metabolomic Biomarkers. <i>Hypertension</i> , 2010, 56, 741-749.	2.7	242
86	Mice Lacking the Neuropeptide β -Calcitonin Gene-Related Peptide Are Protected Against Diet-Induced Obesity. <i>Endocrinology</i> , 2010, 151, 4257-4269.	2.8	74
87	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
88	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
89	A novel two-chain IGF-II-derived peptide from purified β -cell granules. <i>Growth Hormone and IGF Research</i> , 2010, 20, 360-366.	1.1	9
90	THE REDOX STATUS OF EXPERIMENTAL HEMORRHAGIC SHOCK AS MEASURED BY CYCLIC VOLTAMMETRY. <i>Shock</i> , 2010, 33, 460-466.	2.1	17

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91	Adiponectin Haploinsufficiency Promotes Mammary Tumor Development in MMTV-PyVT Mice by Modulation of Phosphatase and Tensin Homolog Activities. <i>PLoS ONE</i> , 2009, 4, e4968.	2.5	75
92	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
93	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
94	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
95	A copper(II)-selective chelator ameliorates left-ventricular hypertrophy in type 2 diabetic patients: a randomised placebo-controlled study. <i>Diabetologia</i> , 2009, 52, 715-722.	6.3	70
96	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
97	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
98	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
99	Proteins Associated with Immunopurified Granules from a Model Pancreatic Islet β -Cell System: Proteomic Snapshot of an Endocrine Secretory Granule. <i>Journal of Proteome Research</i> , 2009, 8, 178-186.	3.7	49
100	Coordination of mammary metabolism and blood flow after refeeding in rats. <i>Journal of Dairy Science</i> , 2009, 92, 1543-1553.	3.4	4
101	A copper(II)-selective chelator ameliorates diabetes-evoked renal fibrosis and albuminuria, and suppresses pathogenic TGF- β 2 activation in the kidneys of rats used as a model of diabetes. <i>Diabetologia</i> , 2008, 51, 1741-1751.	6.3	62
102	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> , 2008, 8, 2556-2572.	2.2	75
103	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
104	Three-colour fluorescence immunohistochemistry reveals the diversity of cells staining for macrophage markers in murine spleen and liver. <i>Journal of Immunological Methods</i> , 2008, 334, 70-81.	1.4	67
105	Acute pancreatitis severity is exacerbated by intestinal ischemia-reperfusion conditioned mesenteric lymph. <i>Surgery</i> , 2008, 143, 404-413.	1.9	28
106	Postprandial response of adiponectin, interleukin-6, tumor necrosis factor- α , and C-reactive protein to a high-fat dietary load. <i>Nutrition</i> , 2008, 24, 322-329.	2.4	99
107	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
108	Fas-Associated Death Receptor Signaling Evoked by Human Amylin in Islet β -Cells. <i>Diabetes</i> , 2008, 57, 348-356.	0.6	58

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109	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
110	The proteome of rodent mesenteric lymph. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, G895-G903.	3.4	35
111	Evidence that $\hat{1}\pm$ -Calcitonin Gene-Related Peptide Is a Neurohormone that Controls Systemic Lipid Availability and Utilization. <i>Endocrinology</i> , 2008, 149, 154-160.	2.8	37
112	Altered Calcium Homeostasis Does Not Explain the Contractile Deficit of Diabetic Cardiomyopathy. <i>Diabetes</i> , 2008, 57, 2158-2166.	0.6	48
113	Mapping of the ATP-binding domain of human fructosamine 3-kinase-related protein by affinity labelling with 5 \hat{a} E^2 -[(fluorosulfonyl)benzoyl]adenosine. <i>Biochemical Journal</i> , 2008, 416, 281-288.	3.7	11
114	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
115	Preptin, another peptide product of the pancreatic $\hat{1}^2$ -cell, is osteogenic in vitro and in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E117-E122.	3.5	74
116	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
117	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
118	Effects of STZ-induced diabetes on contraction and Ca $^{2+}$ transient in rat left ventricular trabeculae. <i>Journal of Molecular and Cellular Cardiology</i> , 2007, 42, S169.	1.9	0
119	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
120	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
121	Determination of triethylenetetramine (TETA) and its metabolites in human plasma and urine by liquid chromatography \hat{a} €“mass spectrometry (LC \hat{a} €“MS). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 859, 62-68.	2.3	24
122	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
123	Direct visualisation of peptide hormones in cultured pancreatic islet alpha \hat{a} €“and beta \hat{a} €“cells by intact \hat{a} €“cell mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 3452-3458.	1.5	18
124	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
125	Characterization of proteomic changes in cardiac mitochondria in streptozotocin-diabetic rats using iTRAQ \hat{a} „ c isobaric tags. <i>Proteomics - Clinical Applications</i> , 2007, 1, 565-576.	1.6	37
126	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> , 2006, 281, 16391-16400.	3.4	222

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127	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
128	Human colostrum: Identification of minor proteins in the aqueous phase by proteomics. <i>Proteomics</i> , 2006, 6, 2208-2216.	2.2	94
129	Characterization of bovine seminal plasma by proteomics. <i>Proteomics</i> , 2006, 6, 5826-5833.	2.2	69
130	Proteomic characterization of human serum proteins associated with the fat-derived hormone adiponectin. <i>Proteomics</i> , 2006, 6, 3862-3870.	2.2	52
131	The aggregation potential of human amylin determines its cytotoxicity towards islet β -cells. <i>FEBS Journal</i> , 2006, 273, 3614-3624.	4.7	202
132	Activation of activating transcription factor 2 by p38 MAP kinase during apoptosis induced by human amylin in cultured pancreatic β -cells. <i>FEBS Journal</i> , 2006, 273, 3779-3791.	4.7	32
133	Fates intertwined. <i>Nature Biotechnology</i> , 2006, 24, 252-254.	17.5	1
134	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
135	Adiponectin Modulates the Glycogen Synthase Kinase-3/ β -Catenin Signaling Pathway and Attenuates Mammary Tumorigenesis of MDA-MB-231 Cells in Nude Mice. <i>Cancer Research</i> , 2006, 66, 11462-11470.	0.9	262
136	Peripherally administered desacetyl α -MSH and β -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
137	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
138	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> , 2006, 103, 15032-15037.	7.1	91
139	Thiol reducing compounds prevent human amylin-evoked cytotoxicity. <i>FEBS Journal</i> , 2005, 272, 4949-4959.	4.7	51
140	Insulin resistance in the Zucker diabetic fatty rat: a metabolic characterisation of obese and lean phenotypes. <i>Acta Diabetologica</i> , 2005, 42, 162-170.	2.5	84
141	Adiponectin Inhibits Cell Proliferation by Interacting with Several Growth Factors in an Oligomerization-dependent Manner. <i>Journal of Biological Chemistry</i> , 2005, 280, 18341-18347.	3.4	342
142	Testosterone Selectively Reduces the High Molecular Weight Form of Adiponectin by Inhibiting Its Secretion from Adipocytes. <i>Journal of Biological Chemistry</i> , 2005, 280, 18073-18080.	3.4	357
143	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
144	Regeneration of the Heart in Diabetes by Selective Copper Chelation. <i>Diabetes</i> , 2004, 53, 2501-2508.	0.6	143

#	ARTICLE	IF	CITATIONS
145	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
146	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
147	Proteomic analysis of adipocyte differentiation: Evidence that β_2 macroglobulin is involved in the adipose conversion of 3T3 L1 preadipocytes. <i>Proteomics</i> , 2004, 4, 1840-1848.	2.2	32
148	Proteomic and functional characterization of endogenous adiponectin purified from fetal bovine serum. <i>Proteomics</i> , 2004, 4, 3933-3942.	2.2	69
149	Chronic treatment with growth hormone stimulates adiponectin gene expression in 3T3-L1 adipocytes. <i>FEBS Letters</i> , 2004, 572, 129-134.	2.8	30
150	GSK3 involvement in amylin signaling in isolated rat soleus muscle. <i>Peptides</i> , 2004, 25, 2119-2125.	2.4	3
151	Atomic Force Microscopy Reveals Defects Within Mica Supported Lipid Bilayers Induced by the Amyloidogenic Human Amylin Peptide. <i>Journal of Molecular Biology</i> , 2004, 342, 877-887.	4.2	151
152	Amylin gene promoter mutations predispose to Type 2 diabetes in New Zealand Maori. <i>Diabetologia</i> , 2003, 46, 574-578.	6.3	29
153	Hepatocyte nuclear factor 1 negatively regulates amylin gene expression. <i>Biochemical and Biophysical Research Communications</i> , 2003, 310, 464-469.	2.1	2
154	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
155	Fibrillogenic Amylin Evokes Islet β -Cell Apoptosis through Linked Activation of a Caspase Cascade and JNK1. <i>Journal of Biological Chemistry</i> , 2003, 278, 52810-52819.	3.4	94
156	The fat-derived hormone adiponectin alleviates alcoholic and nonalcoholic fatty liver diseases in mice. <i>Journal of Clinical Investigation</i> , 2003, 112, 91-100.	8.2	975
157	Suppression by polycyclic compounds of the conversion of human amylin into insoluble amyloid. <i>Biochemical Journal</i> , 2003, 374, 779-784.	3.7	70
158	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
159	The fat-derived hormone adiponectin alleviates alcoholic and nonalcoholic fatty liver diseases in mice. <i>Journal of Clinical Investigation</i> , 2003, 112, 91-100.	8.2	560
160	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
161	Hydroxylation and Glycosylation of the Four Conserved Lysine Residues in the Collagenous Domain of Adiponectin. <i>Journal of Biological Chemistry</i> , 2002, 277, 19521-19529.	3.4	298
162	Combined Endopeptidase Inhibition and Adrenomedullin in Sheep With Experimental Heart Failure. <i>Hypertension</i> , 2002, 39, 93-98.	2.7	43

#	ARTICLE	IF	CITATIONS
163	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
164	Combined angiotensin-converting enzyme inhibition and adrenomedullin in an ovine model of heart failure. <i>Clinical Science</i> , 2002, 102, 653.	4.3	7
165	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
166	Increased Expression and Activation of c-Jun Contributes to Human Amylin-induced Apoptosis in Pancreatic Islet β -Cells. <i>Journal of Molecular Biology</i> , 2002, 324, 271-285.	4.2	60
167	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
168	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
169	Ethnic Disparity of Pancreatic Cancer in New Zealand. <i>International Journal of Gastrointestinal Cancer</i> , 2002, 31, 137-146.	0.4	21
170	Plasma amylin concentration is related to the severity of intestinal ischemic injury in rats. <i>Surgery</i> , 2001, 129, 730-735.	1.9	8
171	Effects of calcitonin, amylin, and calcitonin gene-related peptide on osteoclast development. <i>Bone</i> , 2001, 29, 162-168.	2.9	149
172	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
173	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
174	Preptin derived from proinsulin-like growth factor II (proIGF-II) is secreted from pancreatic islet β -cells and enhances insulin secretion. <i>Biochemical Journal</i> , 2001, 360, 431.	3.7	56
175	Preptin derived from proinsulin-like growth factor II (proIGF-II) is secreted from pancreatic islet β -cells and enhances insulin secretion. <i>Biochemical Journal</i> , 2001, 360, 431-439.	3.7	95
176	ULTRASTRUCTURAL EVIDENCE THAT APOPTOSIS IS THE MECHANISM BY WHICH HUMAN AMYLIN EVOKES DEATH IN RINm5F PANCREATIC ISLET β -CELLS. <i>Cell Biology International</i> , 2001, 25, 339-350.	3.0	65
177	Identification and characterization of a bovine myosin light chain-1 fast polymorphism. <i>Proteomics</i> , 2001, 1, 1495.	2.2	5
178	Proteomic analysis of the brain in Alzheimer's disease: Molecular phenotype of a complex disease process. <i>Proteomics</i> , 2001, 1, 1519.	2.2	172
179	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
180	Alteration in Phosphorylation of P20 Is Associated With Insulin Resistance. <i>Diabetes</i> , 2001, 50, 1821-1827.	0.6	29

#	ARTICLE	IF	CITATIONS
181	A Potential Role for Adrenomedullin as a Local Regulator of Bone Growth. <i>Endocrinology</i> , 2001, 142, 1849-1857.	2.8	15
182	Synthesis of Biologically Active Tritiated Amylin and Salmon Calcitonin Analogues. <i>Analytical Biochemistry</i> , 2000, 285, 100-104.	2.4	2
183	Comparative proteome analysis of the hippocampus implicates chromosome 6q in schizophrenia. <i>Molecular Psychiatry</i> , 2000, 5, 85-90.	7.9	84
184	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
185	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
186	Amyloid Fibril Formation from Full-Length and Fragments of Amylin. <i>Journal of Structural Biology</i> , 2000, 130, 352-362.	2.8	312
187	Amyloid-like inclusions in Huntington's disease. <i>Neuroscience</i> , 2000, 100, 677-680.	2.3	93
188	Adrenomedullin Attenuates Pressor Response to Angiotensin II in Conscious Sheep. <i>Journal of Cardiovascular Pharmacology</i> , 2000, 36, 526-532.	1.9	17
189	Amylin and Severe Acute Pancreatitis. <i>Pancreas</i> , 2000, 20, 105-106.	1.1	11
190	Intestinal Ischaemia-Reperfusion Increases Plasma Amylin Concentration in Rats. <i>European Surgical Research</i> , 1999, 31, 457-464.	1.3	3
191	A comparative proteome analysis of hippocampal tissue from schizophrenic and Alzheimer's disease individuals. <i>Molecular Psychiatry</i> , 1999, 4, 173-178.	7.9	86
192	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
193	Proteome map of the human hippocampus. , 1999, 9, 644-650.		43
194	Induction of apoptosis by human amylin in RINm5F islet β -cells is associated with enhanced expression of p53 and p21WAF1/CIP1. <i>FEBS Letters</i> , 1999, 455, 315-320.	2.8	57
195	Amylin evokes phosphorylation of P20 in rat skeletal muscle. <i>FEBS Letters</i> , 1999, 457, 149-152.	2.8	4
196	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
197	Watching amyloid fibrils grow by time-lapse atomic force microscopy 1 Edited by W. Baumeister. <i>Journal of Molecular Biology</i> , 1999, 285, 33-39.	4.2	331
198	Role of Ca ²⁺ in apoptosis evoked by human amylin in pancreatic islet β -cells. <i>Biochemical Journal</i> , 1999, 343, 53-61.	3.7	43

#	ARTICLE	IF	CITATIONS
199	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
200	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
201	Role of Ca ²⁺ in apoptosis evoked by human amylin in pancreatic islet β -cells. <i>Biochemical Journal</i> , 1999, 343, 53.	3.7	20
202	Therapeutic Potential of Human Amylin Analogues in Diabetes Mellitus. <i>BioDrugs</i> , 1998, 10, 1-9.	4.6	1
203	Hemodynamic, Hormonal, and Renal Effects of Intracerebroventricular Adrenomedullin in Conscious Sheep*. <i>Endocrinology</i> , 1998, 139, 1746-1751.	2.8	31
204	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
205	Acute application of human amylin, unlike β -amyloid peptides, kills undifferentiated PC12 cells by apoptosis. <i>NeuroReport</i> , 1997, 8, 3945-3949.	1.2	17
206	Adrenomedullin: A Hypotensive Hormone in Man. <i>Clinical Science</i> , 1997, 92, 467-472.	4.3	93
207	Polymorphic Fibrillar Assembly of Human Amylin. <i>Journal of Structural Biology</i> , 1997, 119, 17-27.	2.8	284
208	Beneficial Hemodynamic and Renal Effects of Adrenomedullin in an Ovine Model of Heart Failure. <i>Circulation</i> , 1997, 96, 1983-1990.	1.6	106
209	Amylin, Amyloid and Age-Related Disease. <i>Drugs and Aging</i> , 1996, 9, 202-212.	2.7	6
210	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
211	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
212	Amylin Compared with Calcitonin Gene-Related Peptide: Structure, Biology, and Relevance to Metabolic Disease. <i>Endocrine Reviews</i> , 1994, 15, 163-201.	20.1	280
213	Amylin compared with calcitonin gene-related peptide: structure, biology, and relevance to metabolic disease. , 1994, 15, 163-201.		11
214	Nucleotide sequence of a cDNA for canine amylin. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992, 1130, 97-99.	2.4	2
215	Synthesis and activity of human amylin and analogs. , 1992, , 441-442.		2
216	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

#	ARTICLE	IF	CITATIONS
217	Amylin and insulin co-replacement therapy for insulin-dependent (type I) diabetes mellitus. <i>Medical Hypotheses</i> , 1991, 36, 284-288.	1.5	23
218	Co-secretion of amylin and insulin from cultured islet β -cells: Modulation by nutrient secretagogues, islet hormones and hypoglycemic agents. <i>Biochemical and Biophysical Research Communications</i> , 1991, 179, 1-9.	2.1	142
219	Daily amylin replacement reverses hepatic glycogen depletion in insulin-treated streptozotocin diabetic rats. <i>FEBS Letters</i> , 1991, 287, 203-205.	2.8	23
220	Amylin activates glycogen phosphorylase in the isolated soleus muscle of the rat. <i>FEBS Letters</i> , 1991, 281, 149-151.	2.8	63
221	Amylin injection causes elevated plasma lactate and glucose in the rat. <i>FEBS Letters</i> , 1991, 291, 101-104.	2.8	65
222	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
223	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
224	Amylin hormone. <i>Nature</i> , 1989, 340, 272-272.	27.8	19
225	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
226	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
227	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
228	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
229	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
230	Pancreatic amylin and calcitonin gene-related peptide cause resistance to insulin in skeletal muscle in vitro. <i>Nature</i> , 1988, 335, 632-635.	27.8	483
231	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
232	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
233	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> , 1987, 84, 8628-8632.	7.1	1,270
234	DIABETES-ASSOCIATED PEPTIDE. <i>Lancet, The</i> , 1987, 330, 966.	13.7	26

#	ARTICLE	IF	CITATIONS
235	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
236	Pan-cerebral sodium elevations in vascular dementia: Evidence for disturbed brain-sodium homeostasis. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	3.4	1