

# Philip Newsholme

## List of Publications by Year in descending order

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Version: 2024-02-01

191  
papers

12,045  
citations

26610

56  
h-index

29127

104  
g-index

194  
all docs

194  
docs citations

194  
times ranked

17779  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic Adaptions/Reprogramming in Islet Beta-Cells in Response to Physiological Stimulatorsâ€™What Are the Consequences. <i>Antioxidants</i> , 2022, 11, 108.	2.2	3
2	Insulin resistance, cognition and Alzheimer's disease biomarkers: Evidence that CSF AÎ²42 moderates the association between insulin resistance and increased CSF tau levels. <i>Neurobiology of Aging</i> , 2022, 114, 38-48.	1.5	5
3	Host cell glutamine metabolism as a potential antiviral target. <i>Clinical Science</i> , 2021, 135, 305-325.	1.8	31
4	Vitamin D Supplementation and Impact on Skeletal Muscle Function in Cell and Animal Models and an Aging Population: What Do We Know So Far?. <i>Nutrients</i> , 2021, 13, 1110.	1.7	8
5	Cellular and metabolic mechanisms of nutrient actions in immune function. <i>Nutrition and Diabetes</i> , 2021, 11, 22.	1.5	10
6	Cellular and metabolic mechanisms of nutrient actions in immune function. <i>European Journal of Clinical Nutrition</i> , 2021, 75, 1328-1331.	1.3	6
7	The Immunometabolic Roles of Various Fatty Acids in Macrophages and Lymphocytes. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8460.	1.8	19
8	Antidiabetic effects and mechanisms of action of Î³-conglutin from lupin seeds. <i>Journal of Functional Foods</i> , 2021, 87, 104786.	1.6	6
9	Bcl2 Deficiency Does Not Directly Impair the Innate Immune Response in a Murine Model of Generalized Lipodystrophy. <i>Journal of Clinical Medicine</i> , 2021, 10, 441.	1.0	3
10	The HDAC Inhibitor Butyrate Impairs Î² Cell Function and Activates the Disallowed Gene Hexokinase I. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13330.	1.8	10
11	Serum Vitamin D status is associated with increased blastocyst development rate in women undergoing IVF. <i>Reproductive BioMedicine Online</i> , 2020, 41, 1101-1111.	1.1	3
12	Butyrate generated by gut microbiota and its therapeutic role in metabolic syndrome. <i>Pharmacological Research</i> , 2020, 160, 105174.	3.1	57
13	Vitamin D Supplementation Does Not Impact Resting Metabolic Rate, Body Composition and Strength in Vitamin D Sufficient Physically Active Adults. <i>Nutrients</i> , 2020, 12, 3111.	1.7	7
14	Are Heat Shock Proteins an Important Link between Type 2 Diabetes and Alzheimer Disease?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8204.	1.8	11
15	Amylin and beta amyloid proteins interact to form amorphous heterocomplexes with enhanced toxicity in neuronal cells. <i>Scientific Reports</i> , 2020, 10, 10356.	1.6	44
16	The Critical Role of Cell Metabolism for Essential Neutrophil Functions. <i>Cellular Physiology and Biochemistry</i> , 2020, 54, 629-647.	1.1	54
17	Nitric Oxide and Redox State Measurements in Pancreatic Beta Cells. <i>Methods in Molecular Biology</i> , 2020, 2076, 241-253.	0.4	0
18	Effects of vitamin D on primary human skeletal muscle cell proliferation, differentiation, protein synthesis and bioenergetics. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 193, 105423.	1.2	35

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19	Epigenetic demethylation of sFRPs, with emphasis on sFRP4 activation, leading to Wnt signalling suppression and histone modifications in breast, prostate, and ovary cancer stem cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2019, 109, 23-32.	1.2	23
20	Mechanisms of vitamin D action in skeletal muscle. <i>Nutrition Research Reviews</i> , 2019, 32, 192-204.	2.1	64
21	Oxidative stress pathways in pancreatic $\beta$ -cells and insulin-sensitive cells and tissues: importance to cell metabolism, function, and dysfunction. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C420-C433.	2.1	120
22	Glutamine deprivation induces metabolic adaptations associated with beta cell dysfunction and exacerbate lipotoxicity. <i>Molecular and Cellular Endocrinology</i> , 2019, 491, 110433.	1.6	12
23	Statins Do Not Directly Inhibit the Activity of Major Epigenetic Modifying Enzymes. <i>Cancers</i> , 2019, 11, 516.	1.7	12
24	Use of virus-like particles as a native membrane model to study the interaction of insulin with the insulin receptor. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2019, 1861, 1204-1212.	1.4	3
25	Angiotensin-Converting Enzyme Related-Polymorphisms on Inflammation, Muscle and Myocardial Damage After a Marathon Race. <i>Frontiers in Genetics</i> , 2019, 10, 984.	1.1	18
26	Method Protocols for Metabolic and Functional Analysis of the BRIN-BD11 $\beta$ -Cell Line: A Preclinical Model for Type 2 Diabetes. <i>Methods in Molecular Biology</i> , 2019, 1916, 329-340.	0.4	1
27	The effects of a combined bodyweight-based and elastic bands resistance training, with or without protein supplementation, on muscle mass, signaling and heat shock response in healthy older people. <i>Experimental Gerontology</i> , 2019, 115, 104-113.	1.2	36
28	Lupin seed hydrolysate promotes G-protein-coupled receptor, intracellular Ca <sup>2+</sup> and enhanced glycolytic metabolism-mediated insulin secretion from BRIN-BD11 pancreatic beta cells. <i>Molecular and Cellular Endocrinology</i> , 2019, 480, 83-96.	1.6	14
29	The Influence of Breast Tumour-Derived Factors and Wnt Antagonism on the Transformation of Adipose-Derived Mesenchymal Stem Cells into Tumour-Associated Fibroblasts. <i>Cancer Microenvironment</i> , 2018, 11, 71-84.	3.1	11
30	Casein Hydrolysate with Glycemic Control Properties: Evidence from Cells, Animal Models, and Humans. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4352-4363.	2.4	28
31	Epigenetic effects of metformin: From molecular mechanisms to clinical implications. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1553-1562.	2.2	138
32	Insulin and IGF-1 receptor autocrine loops are not required for Exendin-4 induced changes to pancreatic $\beta$ -cell bioenergetic parameters and metabolism in BRIN-BD11 cells. <i>Peptides</i> , 2018, 100, 140-149.	1.2	9
33	The inhibitory influence of adipose tissue-derived mesenchymal stem cell environment and Wnt antagonism on breast tumour cell lines. <i>International Journal of Biochemistry and Cell Biology</i> , 2018, 95, 63-72.	1.2	12
34	Role of the cell membrane interface in modulating production and uptake of Alzheimer's beta amyloid protein. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2018, 1860, 1639-1651.	1.4	47
35	Reticulon-1 and Reduced Migration toward Chemoattractants by Macrophages Differentiated from the Bone Marrow of Ultraviolet-Irradiated and Ultraviolet-Chimeric Mice. <i>Journal of Immunology</i> , 2018, 200, 260-270.	0.4	6
36	Attenuation of obesity and insulin resistance by fish oil supplementation is associated with improved skeletal muscle mitochondrial function in mice fed a high-fat diet. <i>Journal of Nutritional Biochemistry</i> , 2018, 55, 76-88.	1.9	61

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37	The Role of Cystinosin in the Intermediary Thiol Metabolism and Redox Homeostasis in Kidney Proximal Tubular Cells. <i>Antioxidants</i> , 2018, 7, 179.	2.2	14
38	Inducible nitric oxide synthase-derived nitric oxide promotes mitochondrial dysfunction, altered nutrient metabolism, and apoptosis in Ctns null kidney proximal tubular epithelial cells. <i>Free Radical Biology and Medicine</i> , 2018, 128, S94.	1.3	0
39	Pleiotropic Effects of GLP-1 and Analogs on Cell Signaling, Metabolism, and Function. <i>Frontiers in Endocrinology</i> , 2018, 9, 672.	1.5	170
40	Glutamine: Metabolism and Immune Function, Supplementation and Clinical Translation. <i>Nutrients</i> , 2018, 10, 1564.	1.7	616
41	Inducible nitric oxide synthase inhibitor 1400W increases Na <sup>+</sup> ,K <sup>+</sup> -ATPase levels and activity and ameliorates mitochondrial dysfunction in Ctns null kidney proximal tubular epithelial cells. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 1149-1160.	0.9	6
42	Regulation of Cancer Stem Cell Metabolism by Secreted Frizzled-Related Protein 4 (sFRP4). <i>Cancers</i> , 2018, 10, 40.	1.7	29
43	Oleoyl-lysophosphatidylinositol enhances glucagon-like peptide-1 secretion from enteroendocrine L-cells through GPR119. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1132-1141.	1.2	16
44	Specific ranges of anti-Mullerian hormone and antral follicle count correlate to provide a prognostic indicator for IVF outcome. <i>Reproductive Biology</i> , 2017, 17, 51-59.	0.9	37
45	The Link between Type 2 Diabetes and Neurodegeneration: Roles for Amyloid- $\beta$ , Amylin, and Tau Proteins. <i>Journal of Alzheimer's Disease</i> , 2017, 59, 421-432.	1.2	154
46	Winter to summer change in vitamin D status reduces systemic inflammation and bioenergetic activity of human peripheral blood mononuclear cells. <i>Redox Biology</i> , 2017, 12, 814-820.	3.9	28
47	A past and present overview of macrophage metabolism and functional outcomes. <i>Clinical Science</i> , 2017, 131, 1329-1342.	1.8	87
48	Postprandial changes in glucose oxidation and insulin sensitivity in metabolic syndrome: Influence of fibroblast growth factor 21 and vitamin D status. <i>Nutrition</i> , 2017, 37, 37-42.	1.1	10
49	PGE2 pulsing of murine bone marrow cells reduces migration of daughter monocytes/macrophages in vitro and in vivo. <i>Experimental Hematology</i> , 2017, 56, 64-68.	0.2	5
50	Insulin resistance is associated with reductions in specific cognitive domains and increases in CSF tau in cognitively normal adults. <i>Scientific Reports</i> , 2017, 7, 9766.	1.6	59
51	UV Irradiation of Skin Enhances Glycolytic Flux and Reduces Migration Capabilities in Bone Marrow-Differentiated Dendritic Cells. <i>American Journal of Pathology</i> , 2017, 187, 2046-2059.	1.9	12
52	Role of epigenetic modulation in cancer stem cell fate. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 90, 9-16.	1.2	17
53	GLP-1 receptor signalling promotes $\beta$ -cell glucose metabolism via mTOR-dependent HIF-1 $\alpha$ activation. <i>Scientific Reports</i> , 2017, 7, 2661.	1.6	72
54	l-Arginine, Pancreatic Beta Cell Function, and Diabetes: Mechanisms of Stimulated Insulin Release and Pathways of Metabolism. , 2017, , 85-94.		1

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55	Molecular actions of vitamin D in reproductive cell biology. <i>Reproduction</i> , 2017, 153, R29-R42.	1.1	30
56	Statin therapy causes gut dysbiosis in mice through a PXR-dependent mechanism. <i>Microbiome</i> , 2017, 5, 95.	4.9	124
57	Overview: metabolomics and lipidomics in nutrition and metabolism research. <i>Essays in Biochemistry</i> , 2016, 60, 407-407.	2.1	5
58	$\beta$ -Cell Metabolism, Insulin Production and Secretion. , 2016, , 29-40.		3
59	Gut associated bacteria are critical to metabolism, inflammation and health. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 245-249.	1.3	13
60	Lysosomal cystine accumulation promotes mitochondrial depolarization and induction of redox-sensitive genes in human kidney proximal tubular cells. <i>Journal of Physiology</i> , 2016, 594, 3353-3370.	1.3	21
61	Molecular mechanisms of ROS production and oxidative stress in diabetes. <i>Biochemical Journal</i> , 2016, 473, 4527-4550.	1.7	617
62	Prevailing vitamin D status influences mitochondrial and glycolytic bioenergetics in peripheral blood mononuclear cells obtained from adults. <i>Redox Biology</i> , 2016, 10, 243-250.	3.9	34
63	Determination of the anti-inflammatory and cytoprotective effects of L-glutamine and L-alanine, or dipeptide, supplementation in rats submitted to resistance exercise. <i>British Journal of Nutrition</i> , 2016, 116, 470-479.	1.2	63
64	Housekeeping proteins: How useful are they in skeletal muscle diabetes studies and muscle hypertrophy models?. <i>Analytical Biochemistry</i> , 2016, 504, 38-40.	1.1	53
65	Cancer stem cell metabolism: a potential target for cancer therapy. <i>Molecular Cancer</i> , 2016, 15, 69.	7.9	154
66	Mesenchymal stem cell-conditioned media ameliorate diabetic endothelial dysfunction by improving mitochondrial bioenergetics via the Sirt1/AMPK/PGC-1 $\alpha$ pathway. <i>Clinical Science</i> , 2016, 130, 2181-2198.	1.8	59
67	Effects of high EPA and high DHA fish oils on changes in signaling associated with protein metabolism induced by hindlimb suspension in rats. <i>Physiological Reports</i> , 2016, 4, e12958.	0.7	24
68	Regulatory principles in metabolism—then and now. <i>Biochemical Journal</i> , 2016, 473, 1845-1857.	1.7	66
69	Pigment epithelium-derived factor stimulates skeletal muscle glycolytic activity through NADPH oxidase-dependent reactive oxygen species production. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 78, 229-236.	1.2	13
70	Pigment epithelium-derived factor (PEDF) regulates metabolism and insulin secretion from a clonal rat pancreatic beta cell line BRIN-BD11 and mouse islets. <i>Molecular and Cellular Endocrinology</i> , 2016, 426, 50-60.	1.6	12
71	Therapeutic approach to target mesothelioma cancer cells using the Wnt antagonist, secreted frizzled-related protein 4: Metabolic state of cancer cells. <i>Experimental Cell Research</i> , 2016, 341, 218-224.	1.2	12
72	Regulation of SIRT1 in aging: Roles in mitochondrial function and biogenesis. <i>Mechanisms of Ageing and Development</i> , 2016, 155, 10-21.	2.2	212

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73	Abstract 4629: The influence of adipose tissue-derived mesenchymal stem cell environment and WNT antagonism on breast tumour cells. , 2016, , .		0
74	The impact of cryopreservation on human peripheral blood leucocyte bioenergetics. <i>Clinical Science</i> , 2015, 128, 723-733.	1.8	40
75	Cystine accumulation attenuates insulin release from the pancreatic $\beta$ -cell due to elevated oxidative stress and decreased ATP levels. <i>Journal of Physiology</i> , 2015, 593, 5167-5182.	1.3	11
76	The effect of cigarette smoking, alcohol consumption and fruit and vegetable consumption on IVF outcomes: a review and presentation of original data. <i>Reproductive Biology and Endocrinology</i> , 2015, 13, 134.	1.4	61
77	You, your children, your grandchildren, and their inflammatory responses are what you eat. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015, 18, 325-327.	1.3	4
78	The Impact of Vitamin D Levels on Inflammatory Status: A Systematic Review of Immune Cell Studies. <i>PLoS ONE</i> , 2015, 10, e0141770.	1.1	279
79	Novel dehydroepiandrosterone troche supplementation improves the serum androgen profile of women undergoing in vitro fertilization. <i>Drug Design, Development and Therapy</i> , 2015, 9, 5569.	2.0	8
80	Wnt Antagonist Secreted Frizzled-Related Protein 4 Upregulates Adipogenic Differentiation in Human Adipose Tissue-Derived Mesenchymal Stem Cells. <i>PLoS ONE</i> , 2015, 10, e0118005.	1.1	25
81	Molecular Events Linking Oxidative Stress and Inflammation to Insulin Resistance and $\beta$ -Cell Dysfunction. <i>Oxidative Medicine and Cellular Longevity</i> , 2015, 2015, 1-15.	1.9	261
82	Inflammation and Oxidative Stress: The Molecular Connectivity between Insulin Resistance, Obesity, and Alzheimer's Disease. <i>Mediators of Inflammation</i> , 2015, 2015, 1-17.	1.4	360
83	The Chaperone Balance Hypothesis: The Importance of the Extracellular to Intracellular HSP70 Ratio to Inflammation-Driven Type 2 Diabetes, the Effect of Exercise, and the Implications for Clinical Management. <i>Mediators of Inflammation</i> , 2015, 2015, 1-12.	1.4	124
84	The regulatory roles of NADPH oxidase, intra- and extra-cellular HSP70 in pancreatic islet function, dysfunction and diabetes. <i>Clinical Science</i> , 2015, 128, 789-803.	1.8	53
85	Phagocyte-like NADPH oxidase (Nox2) promotes activation of p38MAPK in pancreatic $\beta$ -cells under glucotoxic conditions: Evidence for a requisite role of Ras-related C3 botulinum toxin substrate 1 (Rac1). <i>Biochemical Pharmacology</i> , 2015, 95, 301-310.	2.0	36
86	(Dys)Regulation of Insulin Secretion by Macronutrients. , 2015, , 129-156.		1
87	Alanyl-glutamine improves pancreatic $\beta$ -cell function following ex vivo inflammatory challenge. <i>Journal of Endocrinology</i> , 2015, 224, 261-271.	1.2	44
88	Multi-lineage differentiation of mesenchymal stem cells "To Wnt, or not Wnt. <i>International Journal of Biochemistry and Cell Biology</i> , 2015, 68, 139-147.	1.2	85
89	Nutrient regulation of insulin secretion and action. <i>Journal of Endocrinology</i> , 2014, 221, R105-R120.	1.2	170
90	Elevated levels of extracellular heat-shock protein 72 (eHSP72) are positively correlated with insulin resistance in vivo and cause pancreatic $\beta$ -cell dysfunction and death in vitro. <i>Clinical Science</i> , 2014, 126, 739-752.	1.8	66

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91	The fat cell senescence hypothesis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2014, 17, 295-305.	1.3	75
92	Mechanisms of PEDF-mediated protection against reactive oxygen species damage in diabetic retinopathy and neuropathy. <i>Journal of Endocrinology</i> , 2014, 222, R129-R139.	1.2	43
93	Amino acid supplementation and impact on immune function in the context of exercise. <i>Journal of the International Society of Sports Nutrition</i> , 2014, 11, 61.	1.7	106
94	The effects of aerobic exercise training at two different intensities in obesity and type 2 diabetes: implications for oxidative stress, low-grade inflammation and nitric oxide production. <i>European Journal of Applied Physiology</i> , 2014, 114, 251-260.	1.2	87
95	Elevated levels of branched-chain amino acids have little effect on pancreatic islet cells, but L-arginine impairs function through activation of the endoplasmic reticulum stress response. <i>Experimental Physiology</i> , 2014, 99, 538-551.	0.9	14
96	Metabolic Regulation of Insulin Secretion. <i>Vitamins and Hormones</i> , 2014, 95, 1-33.	0.7	33
97	Diet, Obesity, and Reactive Oxygen Species – Implications for Diabetes and Aging. , 2014, , 3361-3374.		6
98	(Dys)Regulation of Insulin Secretion by Macronutrients. , 2014, , 1-25.		0
99	Ion-Transfer Electrochemistry of Rat Amylin at the Water-Organogel Microinterface Array and Its Selective Detection in a Protein Mixture. <i>Chemistry - an Asian Journal</i> , 2013, 8, 2096-2101.	1.7	8
100	Insulinotropic properties of whey protein hydrolysates and impact of peptide fractionation on insulinotropic response. <i>International Dairy Journal</i> , 2013, 32, 163-168.	1.5	34
101	A Whey Protein Hydrolysate Promotes Insulinotropic Activity in a Clonal Pancreatic $\beta^2$ -Cell Line and Enhances Glycemic Function in ob/ob Mice <sup>1&amp;#x2013;3</sup> . <i>Journal of Nutrition</i> , 2013, 143, 1109-1114.	1.3	72
102	Editorial. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013, 16, 375.	1.3	0
103	Cystine dimethylester loading promotes oxidative stress and a reduction in ATP independent of lysosomal cystine accumulation in a human proximal tubular epithelial cell line. <i>Experimental Physiology</i> , 2013, 98, 1505-1517.	0.9	8
104	The Impact of Inflammation on Pancreatic $\beta^2$ -Cell Metabolism, Function and Failure in T1DM and T2DM: Commonalities and Differences. , 2013, , .		1
105	Mathematical Model of Metabolism and Electrophysiology of Amino Acid and Glucose Stimulated Insulin Secretion: In Vitro Validation Using a $\beta^2$ -Cell Line. <i>PLoS ONE</i> , 2013, 8, e52611.	1.1	27
106	Oleic, Linoleic and Linolenic Acids Increase ROS Production by Fibroblasts via NADPH Oxidase Activation. <i>PLoS ONE</i> , 2013, 8, e58626.	1.1	41
107	Persistence of Inflammatory Response to Intense Exercise in Diabetic Rats. <i>Experimental Diabetes Research</i> , 2012, 2012, 1-8.	3.8	16
108	Physiological concentrations of interleukin-6 directly promote insulin secretion, signal transduction, nitric oxide release, and redox status in a clonal pancreatic $\beta^2$ -cell line and mouse islets. <i>Journal of Endocrinology</i> , 2012, 214, 301-311.	1.2	44

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109	Differential nitric oxide levels in the blood and skeletal muscle of type 2 diabetic subjects may be consequence of adiposity: a preliminary study. <i>Metabolism: Clinical and Experimental</i> , 2012, 61, 1528-1537.	1.5	49
110	Reactive oxygen and nitrogen species generation, antioxidant defenses, and $\beta$ -cell function: a critical role for amino acids. <i>Journal of Endocrinology</i> , 2012, 214, 11-20.	1.2	129
111	Mitochondria and Diabetes. An Intriguing Pathogenetic Role. <i>Advances in Experimental Medicine and Biology</i> , 2012, 942, 235-247.	0.8	81
112	Divergence of intracellular and extracellular HSP72 in type 2 diabetes: does fat matter?. <i>Cell Stress and Chaperones</i> , 2012, 17, 293-302.	1.2	94
113	Activation of survival and apoptotic signaling pathways in lymphocytes exposed to palmitic acid. <i>Journal of Cellular Physiology</i> , 2012, 227, 339-350.	2.0	31
114	Nutritional regulation of insulin secretion: implications for diabetes. <i>Clinical Biochemist Reviews</i> , 2012, 33, 35-47.	3.3	67
115	L-Arginine is essential for pancreatic $\beta$ -cell functional integrity, metabolism and defense from inflammatory challenge. <i>Journal of Endocrinology</i> , 2011, 211, 87-97.	1.2	77
116	A Novel L-Arginine/L-Glutamine Coupling Hypothesis: Implications for Type 1 Diabetes. , 2011, , .		3
117	Amino acids and diabetes: implications for endocrine, metabolic and immune function. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 315.	3.0	41
118	Metabolomic analyses reveal profound differences in glycolytic and tricarboxylic acid cycle metabolism in glucose-responsive and -unresponsive clonal $\beta$ -cell lines. <i>Biochemical Journal</i> , 2011, 435, 277-284.	1.7	41
119	A proteomic analysis of the functional effects of fatty acids in NIH 3T3 fibroblasts. <i>Lipids in Health and Disease</i> , 2011, 10, 218.	1.2	10
120	Arachidonic acid actions on functional integrity and attenuation of the negative effects of palmitic acid in a clonal pancreatic $\beta$ -cell line. <i>Clinical Science</i> , 2011, 120, 195-206.	1.8	52
121	Nutrient Regulation of Insulin Secretion and $\beta$ -Cell Functional Integrity. <i>Advances in Experimental Medicine and Biology</i> , 2010, 654, 91-114.	0.8	64
122	Activation of the NLRP3 inflammasome by islet amyloid polypeptide provides a mechanism for enhanced IL- $1\beta$ in type 2 diabetes. <i>Nature Immunology</i> , 2010, 11, 897-904.	7.0	1,149
123	Peroxiredoxin III protects pancreatic $\beta$ cells from apoptosis. <i>Journal of Endocrinology</i> , 2010, 207, 163-175.	1.2	55
124	Effects of pharmacological inhibition of NADPH oxidase or iNOS on pro-inflammatory cytokine, palmitic acid or H <sub>2</sub> O <sub>2</sub> -induced mouse islet or clonal pancreatic $\beta$ -cell dysfunction. <i>Bioscience Reports</i> , 2010, 30, 445-453.	1.1	53
125	Exercise and possible molecular mechanisms of protection from vascular disease and diabetes: the central role of ROS and nitric oxide. <i>Clinical Science</i> , 2010, 118, 341-349.	1.8	88
126	Toll-like receptor agonist induced changes in clonal rat BRIN-BD11 $\beta$ -cell insulin secretion and signal transduction. <i>Journal of Endocrinology</i> , 2009, 202, 365-373.	1.2	18

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127	Effects of short chain fatty acids on effector mechanisms of neutrophils. <i>Cell Biochemistry and Function</i> , 2009, 27, 48-55.	1.4	95
128	Prolonged L-alanine exposure induces changes in metabolism, Ca <sup>2+</sup> handling and desensitization of insulin secretion in clonal pancreatic $\beta$ -cells. <i>Clinical Science</i> , 2009, 116, 341-351.	1.8	20
129	Overexpression of the malate-aspartate NADH shuttle member Aralar1 in the clonal $\beta$ -cell line BRIN-BD11 enhances amino-acid-stimulated insulin secretion and cell metabolism. <i>Clinical Science</i> , 2009, 117, 321-330.	1.8	22
130	In vivo and in vitro studies of GAD-antibody positive subjects with Type 2 diabetes: A distinct sub-phenotype. <i>Diabetes Research and Clinical Practice</i> , 2008, 80, 365-370.	1.1	6
131	Saturated and unsaturated (including arachidonic acid) non-esterified fatty acid modulation of insulin secretion from pancreatic $\beta$ -cells. <i>Biochemical Society Transactions</i> , 2008, 36, 955-958.	1.6	38
132	Pro-inflammatory cytokines increase glucose, alanine and triacylglycerol utilization but inhibit insulin secretion in a clonal pancreatic $\beta$ -cell line. <i>Journal of Endocrinology</i> , 2007, 195, 113-123.	1.2	65
133	Life and death decisions of the pancreatic $\beta$ -cell: the role of fatty acids. <i>Clinical Science</i> , 2007, 112, 27-42.	1.8	136
134	Glucose metabolism in lymphoid and inflammatory cells and tissues. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2007, 10, 531-540.	1.3	123
135	Oleic, linoleic and $\beta$ -linolenic acids increase ROS production by fibroblasts via NADPH oxidase activation. <i>Chemistry and Physics of Lipids</i> , 2007, 149, S62.	1.5	0
136	Glutamine, gene expression, and cell function. <i>Frontiers in Bioscience - Landmark</i> , 2007, 12, 344.	3.0	112
137	Comparative toxicity of oleic and linoleic acid on human lymphocytes. <i>Life Sciences</i> , 2006, 78, 1448-1456.	2.0	118
138	Investigation of the effects of sulfonylurea exposure on pancreatic beta cell metabolism. <i>FEBS Journal</i> , 2006, 273, 5160-5168.	2.2	8
139	Effect of docosahexaenoic acid-rich fish oil supplementation on human leukocyte function. <i>Clinical Nutrition</i> , 2006, 25, 923-938.	2.3	74
140	Tribute to Dr. L. F. B. P. Costa Rosa, 1964-2005. <i>Nutrition</i> , 2006, 22, 89.	1.1	0
141	Glutamine regulates expression of key transcription factor, signal transduction, metabolic gene, and protein expression in a clonal pancreatic $\beta$ -cell line. <i>Journal of Endocrinology</i> , 2006, 190, 719-727.	1.2	52
142	New Insights into Fatty Acid Modulation of Pancreatic $\beta$ -Cell Function. <i>International Review of Cytology</i> , 2006, 248, 1-41.	6.2	89
143	Past times: Reflections of a metabolic biochemist: Eric Arthur Newsholme. <i>Biochemist</i> , 2006, 28, 40-42.	0.2	1
144	New insights into amino acid metabolism, $\beta$ -cell function and diabetes. <i>Clinical Science</i> , 2005, 108, 185-194.	1.8	198

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145	L-Alanine induces changes in metabolic and signal transduction gene expression in a clonal rat pancreatic $\beta$ -cell line and protects from pro-inflammatory cytokine-induced apoptosis. <i>Clinical Science</i> , 2005, 109, 447-455.	1.8	60
146	Inhibition of formyl-methionyl-leucyl-phenylalanine-stimulated respiratory burst in human neutrophils by adrenaline: inhibition of Phospholipase A2 activity but not p47phox phosphorylation and translocation. <i>Biochemical Pharmacology</i> , 2004, 67, 183-190.	2.0	47
147	Effects of EPA and DHA on proliferation, cytokine production, and gene expression in Raji cells. <i>Lipids</i> , 2004, 39, 857-864.	0.7	58
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