Philip Newsholme

List of Publications by Year
in descending order

191 papers	12,045 citations	26630 56 h-index	29157 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. Antioxidants, 2022, 11, 108.	5.1	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. Neurobiology of Aging, 2022, 114, 38-48.	3.1	5
3	Host cell glutamine metabolism as a potential antiviral target. Clinical Science, 2021, 135, 305-325.	4.3	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?. Nutrients, 2021, 13, 1110.	4.1	8
5	Cellular and metabolic mechanisms of nutrient actions in immune function. Nutrition and Diabetes, 2021, 11, 22.	3.2	10
6	Cellular and metabolic mechanisms of nutrient actions in immune function. European Journal of Clinical Nutrition, 2021, 75, 1328-1331.	2.9	6
7	The Immunometabolic Roles of Various Fatty Acids in Macrophages and Lymphocytes. International Journal of Molecular Sciences, 2021, 22, 8460.	4.1	19
8	Antidiabetic effects and mechanisms of action of Î³-conglutin from lupin seeds. Journal of Functional Foods, 2021, 87, 104786.	3.4	6
9	Bscl2 Deficiency Does Not Directly Impair the Innate Immune Response in a Murine Model of Generalized Lipodystrophy. Journal of Clinical Medicine, 2021, 10, 441.	2.4	3
10	The HDAC Inhibitor Butyrate Impairs Î² Cell Function and Activates the Disallowed Gene Hexokinase I. International Journal of Molecular Sciences, 2021, 22, 13330.	4.1	10
11	Serum Vitamin D status is associated with increased blastocyst development rate in women undergoing IVF. Reproductive BioMedicine Online, 2020, 41, 1101-1111.	2.4	3
12	Butyrate generated by gut microbiota and its therapeutic role in metabolic syndrome. Pharmacological Research, 2020, 160, 105174.	7.1	57
13	Vitamin D Supplementation Does Not Impact Resting Metabolic Rate, Body Composition and Strength in Vitamin D Sufficient Physically Active Adults. Nutrients, 2020, 12, 3111.	4.1	7
14	Are Heat Shock Proteins an Important Link between Type 2 Diabetes and Alzheimer Disease?. International Journal of Molecular Sciences, 2020, 21, 8204.	4.1	11
15	Amylin and beta amyloid proteins interact to form amorphous heterocomplexes with enhanced toxicity in neuronal cells. Scientific Reports, 2020, 10, 10356.	3.3	44
16	The Critical Role of Cell Metabolism for Essential Neutrophil Functions. Cellular Physiology and Biochemistry, 2020, 54, 629-647.	1.6	54
17	Nitric Oxide and Redox State Measurements in Pancreatic Beta Cells. Methods in Molecular Biology, 2020, 2076, 241-253.	0.9	0
18	Effects of vitamin D on primary human skeletal muscle cell proliferation, differentiation, protein synthesis and bioenergetics. Journal of Steroid Biochemistry and Molecular Biology, 2019, 193, 105423.	2.5	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. International Journal of Biochemistry and Cell Biology, 2019, 109, 23-32.	2.8	23
20	Mechanisms of vitamin D action in skeletal muscle. Nutrition Research Reviews, 2019, 32, 192-204.	4.1	64
21	Oxidative stress pathways in pancreatic Î²-cells and insulin-sensitive cells and tissues: importance to cell metabolism, function, and dysfunction. American Journal of Physiology - Cell Physiology, 2019, 317, C420-C433.	4.6	120
22	Glutamine deprivation induces metabolic adaptations associated with beta cell dysfunction and exacerbate lipotoxicity. Molecular and Cellular Endocrinology, 2019, 491, 110433.	3.2	12
23	Statins Do Not Directly Inhibit the Activity of Major Epigenetic Modifying Enzymes. Cancers, 2019, 11, 516.	3.7	12
24	Use of virus-like particles as a native membrane model to study the interaction of insulin with the insulin receptor. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 1204-1212.	2.6	3
25	Angiotensin-Converting Enzyme Related-Polymorphisms on Inflammation, Muscle and Myocardial Damage After a Marathon Race. Frontiers in Genetics, 2019, 10, 984.	2.3	18
26	Method Protocols for Metabolic and Functional Analysis of the BRIN-BD11 Î²-Cell Line: A Preclinical Model for Type 2 Diabetes. Methods in Molecular Biology, 2019, 1916, 329-340.	0.9	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. Experimental Gerontology, 2019, 115, 104-113.	2.8	36
28	Lupin seed hydrolysate promotes G-protein-coupled receptor, intracellular Ca2+ and enhanced glycolytic metabolism-mediated insulin secretion from BRIN-BD11 pancreatic beta cells. Molecular and Cellular Endocrinology, 2019, 480, 83-96.	3.2	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. Cancer Microenvironment, 2018, 11, 71-84.	3.1	11
30	Casein Hydrolysate with Glycemic Control Properties: Evidence from Cells, Animal Models, and Humans. Journal of Agricultural and Food Chemistry, 2018, 66, 4352-4363.	5.2	28
31	Epigenetic effects of metformin: From molecular mechanisms to clinical implications. Diabetes, Obesity and Metabolism, 2018, 20, 1553-1562.	4.4	138
32	Insulin and IGF-1 receptor autocrine loops are not required for Exendin-4 induced changes to pancreatic Î²-cell bioenergetic parameters and metabolism in BRIN-BD11 cells. Peptides, 2018, 100, 140-149.	2.4	9
33	The inhibitory influence of adipose tissue-derived mesenchymal stem cell environment and Wnt antagonism on breast tumour cell lines. International Journal of Biochemistry and Cell Biology, 2018, 95, 63-72.	2.8	12
34	Role of the cell membrane interface in modulating production and uptake of Alzheimer's beta amyloid protein. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1639-1651.	2.6	47
35	Reticulon-1 and Reduced Migration toward Chemoattractants by Macrophages Differentiated from the Bone Marrow of Ultraviolet-Irradiated and Ultraviolet-Chimeric Mice. Journal of Immunology, 2018, 200, 260-270.	0.8	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. Journal of Nutritional Biochemistry, 2018, 55, 76-88.	4.2	61

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37	The Role of Cystinosin in the Intermediary Thiol Metabolism and Redox Homeostasis in Kidney Proximal Tubular Cells. Antioxidants, 2018, 7, 179.	5.1	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. Free Radical Biology and Medicine, 2018, 128, S94.	2.9	0
39	Pleiotropic Effects of GLP-1 and Analogs on Cell Signaling, Metabolism, and Function. Frontiers in Endocrinology, 2018, 9, 672.	3.5	170
40	Glutamine: Metabolism and Immune Function, Supplementation and Clinical Translation. Nutrients, 2018, 10, 1564.	4.1	616
41	Inducible nitric oxide synthase inhibitor 1400W increases Na⁺,K⁺â€<scp>ATP</scp>ase levels and activity and ameliorates mitochondrial dysfunction in Ctns null kidney proximal tubular epithelial cells. Clinical and Experimental Pharmacology and Physiology, 2018, 45, 1149-1160.	1.9	6
42	Regulation of Cancer Stem Cell Metabolism by Secreted Frizzled-Related Protein 4 (sFRP4). Cancers, 2018, 10, 40.	3.7	29
43	Oleoyl-lysophosphatidylinositol enhances glucagon-like peptide-1 secretion from enteroendocrine L-cells through GPR119. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 1132-1141.	2.4	16
44	Specific ranges of anti-Mullerian hormone and antral follicle count correlate to provide a prognostic indicator for IVF outcome. Reproductive Biology, 2017, 17, 51-59.	1.9	37
45	The Link between Type 2 Diabetes and Neurodegeneration: Roles for Amyloid-Î², Amylin, and Tau Proteins. Journal of Alzheimer's Disease, 2017, 59, 421-432.	2.6	154
46	Winter to summer change in vitamin D status reduces systemic inflammation and bioenergetic activity of human peripheral blood mononuclear cells. Redox Biology, 2017, 12, 814-820.	9.0	28
47	A past and present overview of macrophage metabolism and functional outcomes. Clinical Science, 2017, 131, 1329-1342.	4.3	87
48	Postprandial changes in glucose oxidation and insulin sensitivity in metabolic syndrome: Influence of fibroblast growth factor 21 and vitamin D status. Nutrition, 2017, 37, 37-42.	2.4	10
49	PGE2 pulsing of murine bone marrow cells reduces migration of daughter monocytes/macrophages in vitro and in vivo. Experimental Hematology, 2017, 56, 64-68.	0.4	5
50	Insulin resistance is associated with reductions in specific cognitive domains and increases in CSF tau in cognitively normal adults. Scientific Reports, 2017, 7, 9766.	3.3	59
51	UV Irradiation of Skin Enhances Glycolytic Flux and Reduces Migration Capabilities in Bone Marrowâ€"Differentiated Dendritic Cells. American Journal of Pathology, 2017, 187, 2046-2059.	3.8	12
52	Role of epigenetic modulation in cancer stem cell fate. International Journal of Biochemistry and Cell Biology, 2017, 90, 9-16.	2.8	17
53	GLP-1 receptor signalling promotes Î²-cell glucose metabolism via mTOR-dependent HIF-1Î± activation. Scientific Reports, 2017, 7, 2661.	3.3	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. Reproduction, 2017, 153, R29-R42.	2.6	30
56	Statin therapy causes gut dysbiosis in mice through a PXR-dependent mechanism. Microbiome, 2017, 5, 95.	11.1	124
57	Overview: metabolomics and lipidomics in nutrition and metabolism research. Essays in Biochemistry, 2016, 60, 407-407.	4.7	5
58	Î²-Cell Metabolism, Insulin Production and Secretion. , 2016, , 29-40.		3
59	Gut associated bacteria are critical to metabolism, inflammation and health. Current Opinion in Clinical Nutrition and Metabolic Care, 2016, 19, 245-249.	2.5	13
60	Lysosomal cystine accumulation promotes mitochondrial depolarization and induction of redoxâ€sensitive genes in human kidney proximal tubular cells. Journal of Physiology, 2016, 594, 3353-3370.	2.9	21
61	Molecular mechanisms of ROS production and oxidative stress in diabetes. Biochemical Journal, 2016, 473, 4527-4550.	3.7	617
62	Prevailing vitamin D status influences mitochondrial and glycolytic bioenergetics in peripheral blood mononuclear cells obtained from adults. Redox Biology, 2016, 10, 243-250.	9.0	34
63	Determination of the anti-inflammatory and cytoprotective effects of <scp>l</scp>-glutamine and <scp>l</scp>-alanine, or dipeptide, supplementation in rats submitted to resistance exercise. British Journal of Nutrition, 2016, 116, 470-479.	2.3	63
64	Housekeeping proteins: How useful are they in skeletal muscle diabetes studies and muscle hypertrophy models?. Analytical Biochemistry, 2016, 504, 38-40.	2.4	53
65	Cancer stem cell metabolism: a potential target for cancer therapy. Molecular Cancer, 2016, 15, 69.	19.2	154
66	Mesenchymal stem cell-conditioned media ameliorate diabetic endothelial dysfunction by improving mitochondrial bioenergetics via the Sirt1/AMPK/PGC-1Î± pathway. Clinical Science, 2016, 130, 2181-2198.	4.3	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. Physiological Reports, 2016, 4, e12958.	1.7	24
68	Regulatory principles in metabolismâ€“then and now. Biochemical Journal, 2016, 473, 1845-1857.	3.7	66
69	Pigment epithelium-derived factor stimulates skeletal muscle glycolytic activity through NADPH oxidase-dependent reactive oxygen species production. International Journal of Biochemistry and Cell Biology, 2016, 78, 229-236.	2.8	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. Molecular and Cellular Endocrinology, 2016, 426, 50-60.	3.2	12
71	Therapeutic approach to target mesothelioma cancer cells using the Wnt antagonist, secreted frizzled-related protein 4: Metabolic state of cancer cells. Experimental Cell Research, 2016, 341, 218-224.	2.6	12
72	Regulation of SIRT1 in aging: Roles in mitochondrial function and biogenesis. Mechanisms of Ageing and Development, 2016, 155, 10-21.	4.6	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. Clinical Science, 2015, 128, 723-733.	4.3	40
75	Cystine accumulation attenuates insulin release from the pancreatic Î²â€cell due to elevated oxidative stress and decreased ATP levels. Journal of Physiology, 2015, 593, 5167-5182.	2.9	11
76	The effect of cigarette smoking, alcohol consumption and fruit and vegetable consumption on IVF outcomes: a review and presentation of original data. Reproductive Biology and Endocrinology, 2015, 13, 134.	3.3	61
77	You, your children, your grandchildren, and their inflammatory responses are what you eat. Current Opinion in Clinical Nutrition and Metabolic Care, 2015, 18, 325-327.	2.5	4
78	The Impact of Vitamin D Levels on Inflammatory Status: A Systematic Review of Immune Cell Studies. PLoS ONE, 2015, 10, e0141770.	2.5	279
79	Novel dehydroepiandrosterone troche supplementation improves the serum androgen profile of women undergoing in vitro fertilization. Drug Design, Development and Therapy, 2015, 9, 5569.	4.3	8
80	Wnt Antagonist Secreted Frizzled-Related Protein 4 Upregulates Adipogenic Differentiation in Human Adipose Tissue-Derived Mesenchymal Stem Cells. PLoS ONE, 2015, 10, e0118005.	2.5	25
81	Molecular Events Linking Oxidative Stress and Inflammation to Insulin Resistance andÎ²-Cell Dysfunction. Oxidative Medicine and Cellular Longevity, 2015, 2015, 1-15.	4.0	261
82	Inflammation and Oxidative Stress: The Molecular Connectivity between Insulin Resistance, Obesity, and Alzheimerâ€™s Disease. Mediators of Inflammation, 2015, 2015, 1-17.	3.0	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. Mediators of Inflammation, 2015, 2015, 1-12.	3.0	124
84	The regulatory roles of NADPH oxidase, intra- and extra-cellular HSP70Âin pancreatic islet function, dysfunction and diabetes. Clinical Science, 2015, 128, 789-803.	4.3	53
85	Phagocyte-like NADPH oxidase (Nox2) promotes activation of p38MAPK in pancreatic Î²-cells under glucotoxic conditions: Evidence for a requisite role of Ras-related C3 botulinum toxin substrate 1 (Rac1). Biochemical Pharmacology, 2015, 95, 301-310.	4.4	36
86	(Dys)Regulation of Insulin Secretion by Macronutrients. , 2015, , 129-156.		1
87	Alanyl-glutamine improves pancreatic Î²-cell function following ex vivo inflammatory challenge. Journal of Endocrinology, 2015, 224, 261-271.	2.6	44
88	Multi-lineage differentiation of mesenchymal stem cells â€“ To Wnt, or not Wnt. International Journal of Biochemistry and Cell Biology, 2015, 68, 139-147.	2.8	85
89	Nutrient regulation of insulin secretion and action. Journal of Endocrinology, 2014, 221, R105-R120.	2.6	170
90	Elevated levels of extracellular heat-shock protein 72 (eHSP72) are positively correlated with insulin resistancein vivoand cause pancreatic Î²-cell dysfunction and deathin vitro. Clinical Science, 2014, 126, 739-752.	4.3	66

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91	The fat cell senescence hypothesis. Current Opinion in Clinical Nutrition and Metabolic Care, 2014, 17, 295-305.	2.5	75
92	Mechanisms of PEDF-mediated protection against reactive oxygen species damage in diabetic retinopathy and neuropathy. Journal of Endocrinology, 2014, 222, R129-R139.	2.6	43
93	Amino acid supplementation and impact on immune function in the context of exercise. Journal of the International Society of Sports Nutrition, 2014, 11, 61.	3.9	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. European Journal of Applied Physiology, 2014, 114, 251-260.	2.5	87
95	Elevated levels of branchedâ€chain amino acids have little effect on pancreatic islet cells, but <scp>l</scp>â€arginine impairs function through activation of the endoplasmic reticulum stress response. Experimental Physiology, 2014, 99, 538-551.	2.0	14
96	Metabolic Regulation of Insulin Secretion. Vitamins and Hormones, 2014, 95, 1-33.	1.7	33
97	Diet, Obesity, and Reactive Oxygen Species â€“ Implications for Diabetes and Aging. , 2014, , 3361-3374.		6
98	(Dys)Regulation of Insulin Secretion by Macronutrients. , 2014, , 1-25.		0
99	Ionâ€Transfer Electrochemistry of Rat Amylin at the Waterâ€“Organogel Microinterface Array and Its Selective Detection in a Protein Mixture. Chemistry - an Asian Journal, 2013, 8, 2096-2101.	3.3	8
100	Insulinotropic properties of whey protein hydrolysates and impact of peptide fractionation on insulinotropic response. International Dairy Journal, 2013, 32, 163-168.	3.0	34
101	A Whey Protein Hydrolysate Promotes Insulinotropic Activity in a Clonal Pancreatic Î²-Cell Line and Enhances Glycemic Function in ob/ob Mice1â€“3. Journal of Nutrition, 2013, 143, 1109-1114.	2.9	72
102	Editorial. Current Opinion in Clinical Nutrition and Metabolic Care, 2013, 16, 375.	2.5	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. Experimental Physiology, 2013, 98, 1505-1517.	2.0	8
104	The Impact of Inflammation on Pancreatic Î²-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 Î²-Cell Line. PLoS ONE, 2013, 8, e52611.	2.5	27
106	Oleic, Linoleic and Linolenic Acids Increase ROS Production by Fibroblasts via NADPH Oxidase Activation. PLoS ONE, 2013, 8, e58626.	2.5	41
107	Persistence of Inflammatory Response to Intense Exercise in Diabetic Rats. Experimental Diabetes Research, 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 Î²-cell line and mouse islets. Journal of Endocrinology, 2012, 214, 301-311.	2.6	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. Metabolism: Clinical and Experimental, 2012, 61, 1528-1537.	3.4	49
110	Reactive oxygen and nitrogen species generation, antioxidant defenses, and Î²-cell function: a critical role for amino acids. Journal of Endocrinology, 2012, 214, 11-20.	2.6	129
111	Mitochondria and Diabetes. An Intriguing Pathogenetic Role. Advances in Experimental Medicine and Biology, 2012, 942, 235-247.	1.6	81
112	Divergence of intracellular and extracellular HSP72 in type 2 diabetes: does fat matter?. Cell Stress and Chaperones, 2012, 17, 293-302.	2.9	94
113	Activation of survival and apoptotic signaling pathways in lymphocytes exposed to palmitic acid. Journal of Cellular Physiology, 2012, 227, 339-350.	4.1	31
114	Nutritional regulation of insulin secretion: implications for diabetes. Clinical Biochemist Reviews, 2012, 33, 35-47.	3.3	67
115	l-Arginine is essential for pancreatic Î²-cell functional integrity, metabolism and defense from inflammatory challenge. Journal of Endocrinology, 2011, 211, 87-97.	2.6	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. Frontiers in Bioscience - Landmark, 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 Î²-cell lines. Biochemical Journal, 2011, 435, 277-284.	3.7	41
119	A proteomic analysis of the functional effects of fatty acids in NIH 3T3 fibroblasts. Lipids in Health and Disease, 2011, 10, 218.	3.0	10
120	Arachidonic acid actions on functional integrity and attenuation of the negative effects of palmitic acid in a clonal pancreatic Î²-cell line. Clinical Science, 2011, 120, 195-206.	4.3	52
121	Nutrient Regulation of Insulin Secretion and Î²-Cell Functional Integrity. Advances in Experimental Medicine and Biology, 2010, 654, 91-114.	1.6	64
122	Activation of the NLRP3 inflammasome by islet amyloid polypeptide provides a mechanism for enhanced IL-1Î² in type 2 diabetes. Nature Immunology, 2010, 11, 897-904.	14.5	1,149
123	Peroxiredoxin III protects pancreatic Î² cells from apoptosis. Journal of Endocrinology, 2010, 207, 163-175.	2.6	55
124	Effects of pharmacological inhibition of NADPH oxidase or iNOS on pro-inflammatory cytokine, palmitic acid or H2O2-induced mouse islet or clonal pancreatic Î²-cell dysfunction. Bioscience Reports, 2010, 30, 445-453.	2.4	53
125	Exercise and possible molecular mechanisms of protection from vascular disease and diabetes: the central role of ROS and nitric oxide. Clinical Science, 2010, 118, 341-349.	4.3	88
126	Toll-like receptor agonist induced changes in clonal rat BRIN-BD11 Î²-cell insulin secretion and signal transduction. Journal of Endocrinology, 2009, 202, 365-373.	2.6	18

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127	Effects of short chain fatty acids on effector mechanisms of neutrophils. Cell Biochemistry and Function, 2009, 27, 48-55.	2.9	95
128	Prolonged L-alanine exposure induces changes in metabolism, Ca2+ handling and desensitization of insulin secretion in clonal pancreatic Î²-cells. Clinical Science, 2009, 116, 341-351.	4.3	20
129	Overexpression of the malateâ€“aspartate NADH shuttle member Aralar1 in the clonal Î²-cell line BRIN-BD11 enhances amino-acid-stimulated insulin secretion and cell metabolism. Clinical Science, 2009, 117, 321-330.	4.3	22
130	In vivo and in vitro studies of GAD-antibody positive subjects with Type 2 diabetes: A distinct sub-phenotype. Diabetes Research and Clinical Practice, 2008, 80, 365-370.	2.8	6
131	Saturated and unsaturated (including arachidonic acid) non-esterified fatty acid modulation of insulin secretion from pancreatic Î²-cells. Biochemical Society Transactions, 2008, 36, 955-958.	3.4	38
132	Pro-inflammatory cytokines increase glucose, alanine and triacylglycerol utilization but inhibit insulin secretion in a clonal pancreatic Î²-cell line. Journal of Endocrinology, 2007, 195, 113-123.	2.6	65
133	Life and death decisions of the pancreatic Î²-cell: the role of fatty acids. Clinical Science, 2007, 112, 27-42.	4.3	136
134	Glucose metabolism in lymphoid and inflammatory cells and tissues. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 531-540.	2.5	123
135	Oleic, linoleic and Î³-linolenic acids increase ROS production by fibroblasts via NADPH oxidase activation. Chemistry and Physics of Lipids, 2007, 149, S62.	3.2	0
136	Glutamine, gene expression, and cell function. Frontiers in Bioscience - Landmark, 2007, 12, 344.	3.0	112
137	Comparative toxicity of oleic and linoleic acid on human lymphocytes. Life Sciences, 2006, 78, 1448-1456.	4.3	118
138	Investigation of the effects of sulfonylurea exposure on pancreatic beta cell metabolism. FEBS Journal, 2006, 273, 5160-5168.	4.7	8
139	Effect of docosahexaenoic acid-rich fish oil supplementation on human leukocyte function. Clinical Nutrition, 2006, 25, 923-938.	5.0	74
140	Tribute to Dr. L. F. B. P. Costa Rosa, 1964â€“2005. Nutrition, 2006, 22, 89.	2.4	0
141	Glutamine regulates expression of key transcription factor, signal transduction, metabolic gene, and protein expression in a clonal pancreatic Î²-cell line. Journal of Endocrinology, 2006, 190, 719-727.	2.6	52
142	New Insights into Fatty Acid Modulation of Pancreatic Î²â€€cell Function. International Review of Cytology, 2006, 248, 1-41.	6.2	89
143	Past times: Reflections of a metabolic biochemist: Eric Arthur Newsholme. Biochemist, 2006, 28, 40-42.	0.5	1
144	New insights into amino acid metabolism, Î²-cell function and diabetes. Clinical Science, 2005, 108, 185-194.	4.3	198

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145	L-Alanine induces changes in metabolic and signal transduction gene expression in a clonal rat pancreatic Î²-cell line and protects from pro-inflammatory cytokine-induced apoptosis. Clinical Science, 2005, 109, 447-455.	4.3	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. Biochemical Pharmacology, 2004, 67, 183-190.	4.4	47
147	Effects of EPA and DHA on proliferation, cytokine production, and gene expression in Raji cells. Lipids, 2004, 39, 857-864.	1.7	58
148	Arachidonic acid, palmitic acid and glucose are important for the modulation of clonal pancreatic Î²-cell insulin secretion, growth and functional integrity. Clinical Science, 2004, 106, 191-199.	4.3	64
149	Genes regulated by arachidonic and oleic acids in Raji cells. Lipids, 2003, 38, 1157-1165.	1.7	17
150	Glutamine and glutamateâ€"their central role in cell metabolism and function. Cell Biochemistry and Function, 2003, 21, 1-9.	2.9	478
151	Mitochondria-derived glutamate at the interplay between branched-chain amino acid and glucose-induced insulin secretion. FEBS Letters, 2003, 545, 167-172.	2.8	49
152	Polyunsaturated and monounsaturated fatty acids increase neutral lipid accumulation, caspase activation and apoptosis in a neutrophil-like, differentiated HL-60 cell line. Clinical Science, 2003, 104, 171-179.	4.3	23
153	Polyunsaturated and monounsaturated fatty acids increase neutral lipid accumulation, caspase activation and apoptosis in a neutrophil-like, differentiated HL-60 cell line. Clinical Science, 2003, 104, 171.	4.3	37
154	Glutamine delays spontaneous apoptosis in neutrophils. American Journal of Physiology - Cell Physiology, 2003, 284, C1355-C1361.	4.6	148
155	A Nuclear Magnetic Resonance-Based Demonstration of Substantial Oxidative L-Alanine Metabolism and L-Alanine-Enhanced Glucose Metabolism in a Clonal Pancreatic Â-Cell Line : Metabolism of L-Alanine Is Important to the Regulation of Insulin Secretion. Diabetes, 2002, 51, 1714-1721.	0.6	124
156	Glucose, but not glutamine, protects against spontaneous and anti-Fas antibody-induced apoptosis in human neutrophils. Clinical Science, 2002, 103, 179-189.	4.3	44
157	Glucose, but not glutamine, protects against spontaneous and anti-Fas antibody-induced apoptosis in human neutrophils. Clinical Science, 2002, 103, 179.	4.3	14
158	The effects of protein kinase inhibitors on Type I diabetic serum-induced BRIN BD11 pancreatic beta-cell cytotoxicity. Biochemical Society Transactions, 2001, 29, A116-A116.	3.4	0
159	Why Is L-Glutamine Metabolism Important to Cells of the Immune System in Health, Postinjury, Surgery or Infection?. Journal of Nutrition, 2001, 131, 2515S-2522S.	2.9	457
160	Potential role of extracellular L-glutamine in the host immune response to yeast infection. Biochemical Society Transactions, 2000, 28, A255-A255.	3.4	0
161	Identification of a novel complement-dependent serum-elicited inward current in the Xenopus oocyte provoking Ca2+ influx and subsequent activation of Clâ^' channels. Biochemical Pharmacology, 1999, 57, 491-501.	4.4	7
162	Macrophage-mediated lysis of a Î²-cell line, tumour necrosis factor-Î± release from bacillus Calmetteâ€"GueÂ´rin (BCG)-activated murine macrophages and interleukin-8 release from human monocytes are dependent on extracellular glutamine concentration and glutamine metabolism. Clinical Science, 1999, 96, 89-97.	4.3	41

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163	Effects of adrenaline on glucose and glutamine metabolism and superoxide production by rat neutrophils. Clinical Science, 1999, 96, 549-555.	4.3	31
164	Macrophage-mediated lysis of a Î²-cell line, tumour necrosis factor-Î± release from bacillus Calmetteâ€'GuÃ©rin (BCG)-activated murine macrophages and interleukin-8 release from human monocytes are dependent on extracellular glutamine concentration and glutamine metabolism. Clinical Science, 1999, 96, 89.	4.3	22
165	Effects of adrenaline on glucose and glutamine metabolism and superoxide production by rat neutrophils. Clinical Science, 1999, 96, 549.	4.3	9
166	<u>Adrenaline Induced Inhibition of Neutrophil PLA2 Activity</u>. Biochemical Society Transactions, 1998, 26, S235-S235.	3.4	0
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