Helen M Roche

List of Publications by Year
in descending order

244 papers	13,302 citations	17405 63 h-index	30010 103 g-index
248 all docs	248 docs citations	248 times ranked	17435 citing authors

#	Article	IF	Citations
1	Low-grade inflammation, diet composition and health: current research evidence and its translation. British Journal of Nutrition, 2015, 114, 999-1012.	1.2	600
2	Mechanisms of Obesity-Induced Inflammation and Insulin Resistance: Insights into the Emerging Role of Nutritional Strategies. Frontiers in Endocrinology, 2013, 4, 52.	1.5	381
3	Metabolomics in human nutrition: opportunities and challenges. American Journal of Clinical Nutrition, 2005, 82, 497-503.	2.2	342
4	Metabolomics in human nutrition: opportunities and challenges. American Journal of Clinical Nutrition, 2005, 82, 497-503.	2.2	329
5	Low serum cholesteryl ester-docosahexaenoic acid levels in Alzheimer's disease: a caseâ€“control study. British Journal of Nutrition, 2003, 89, 483-489.	1.2	304
6	Effect of acute dietary standardization on the urinary, plasma, and salivary metabolomic profiles of healthy humans. American Journal of Clinical Nutrition, 2006, 84, 531-539.	2.2	272
7	Docosahexaenoic acid induces an anti-inflammatory profile in lipopolysaccharide-stimulated human THP-1 macrophages more effectively than eicosapentaenoic acid. Journal of Nutritional Biochemistry, 2007, 18, 250-258.	1.9	261
8	Monounsaturated Fatty Acidâ€“Enriched High-Fat Diets Impede Adipose NLRP3 Inflammasomeâ€“Mediated IL-1Î² Secretion and Insulin Resistance Despite Obesity. Diabetes, 2015, 64, 2116-2128.	0.3	229
9	Conjugated linoleic acid supplementation, insulin sensitivity, and lipoprotein metabolism in patients with type 2 diabetes mellitus. American Journal of Clinical Nutrition, 2004, 80, 887-895.	2.2	225
10	Fats, inflammation and insulin resistance: insights to the role of macrophage and T-cell accumulation in adipose tissue. Proceedings of the Nutrition Society, 2011, 70, 408-417.	0.4	218
11	The effect of dietary supplementation using isomeric blends of conjugated linoleic acid on lipid metabolism in healthy human subjects. British Journal of Nutrition, 2002, 88, 243-251.	1.2	216
12	Interferon Î³ Attenuates Insulin Signaling, Lipid Storage, and Differentiation in Human Adipocytes via Activation of the JAK/STAT Pathway. Journal of Biological Chemistry, 2009, 284, 31936-31944.	1.6	208
13	Anti-inflammatory effects of EPA and DHA are dependent upon time and dose-response elements associated with LPS stimulation in THP-1-derived macrophages. Journal of Nutritional Biochemistry, 2010, 21, 444-450.	1.9	197
14	Effects of dietary fat modification on insulin sensitivity and on other risk factors of the metabolic syndromeâ€"LIPGENE: a European randomized dietary intervention study. International Journal of Obesity, 2011, 35, 800-809.	1.6	182
15	Antidiabetic Effects of cis-9, trans-11-Conjugated Linoleic Acid May Be Mediated via Anti-Inflammatory Effects in White Adipose Tissue. Diabetes, 2007, 56, 574-582.	0.3	164
16	Lack of Interleukin-1 Receptor I (IL-1RI) Protects Mice From High-Fat Dietâ€“Induced Adipose Tissue Inflammation Coincident With Improved Glucose Homeostasis. Diabetes, 2011, 60, 1688-1698.	0.3	164
17	Isomer-Dependent Metabolic Effects of Conjugated Linoleic Acid: Insights From Molecular Markers Sterol Regulatory Element-Binding Protein-1c and LXRÂ. Diabetes, 2002, 51, 2037-2044.	0.3	163
18	Fatty Acids and NLRP3 Inflammasomeâ€“Mediated Inflammation in Metabolic Tissues. Annual Review of Nutrition, 2017, 37, 77-102.	4.3	163

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19	Effect of long-chain nâˆ’3 polyunsaturated fatty acids on fasting and postprandial triacylglycerol metabolism. American Journal of Clinical Nutrition, 2000, 71, 232S-237S.	2.2	162
20	Dietary saturated fatty acids prime the <scp>NLRP</scp>3 inflammasome via <scp>TLR</scp>4 in dendritic cellsâ€"implications for dietâ€induced insulin resistance. Molecular Nutrition and Food Research, 2012, 56, 1212-1222.	1.5	142
21	Effect of long-term olive oil dietary intervention on postprandial triacylglycerol and factor VII metabolism. American Journal of Clinical Nutrition, 1998, 68, 552-560.	2.2	141
22	The metabolic syndrome: the crossroads of diet and genetics. Proceedings of the Nutrition Society, 2005, 64, 371-377.	0.4	141
23	Conjugated Linoleic Acid Suppresses NF-ÎºB Activation and IL-12 Production in Dendritic Cells through ERK-Mediated IL-10 Induction. Journal of Immunology, 2005, 175, 4990-4998.	0.4	131
24	High Dietary Saturated Fat Intake Accentuates Obesity Risk Associated with the Fat Mass and Obesity-Associated Gene in Adults. Journal of Nutrition, 2012, 142, 824-831.	1.3	124
25	Docosahexaenoic acid attenuates macrophage-induced inflammation and improves insulin sensitivity in adipocytes-specific differential effects between LC n-3 PUFA. Journal of Nutritional Biochemistry, 2012, 23, 1192-1200.	1.9	123
26	Intermittent hypoxia in obstructive sleep apnoea mediates insulin resistance through adipose tissue inflammation. European Respiratory Journal, 2017, 49, 1601731.	3.1	117
27	Profound resolution of early atherosclerosis with conjugated linoleic acid. Atherosclerosis, 2006, 187, 40-49.	0.4	113
28	Unsaturated fatty acids. Proceedings of the Nutrition Society, 1999, 58, 397-401.	0.4	110
29	The role of inflammation and macrophage accumulation in the development of obesity-induced type 2 diabetes mellitus and the possible therapeutic effects of long-chain<i>n</i>-3 PUFA. Proceedings of the Nutrition Society, 2010, 69, 232-243.	0.4	108
30	Nutritional Modulation of AMPK-Impact upon Metabolic-Inflammation. International Journal of Molecular Sciences, 2018, 19, 3092.	1.8	108
31	Susceptibility of LDL to oxidative modification in healthy volunteers supplemented with low doses ofn-3 polyunsaturated fatty acids. British Journal of Nutrition, 2001, 85, 23-31.	1.2	105
32	Increased levels of microparticles originating from endothelial cells, platelets and erythrocytes in subjects with metabolic syndrome: Relationship with oxidative stress. Nutrition, Metabolism and Cardiovascular Diseases, 2011, 21, 665-671.	1.1	99
33	Lipoxin A 4 attenuates adipose inflammation. FASEB Journal, 2012, 26, 4287-4294.	0.2	99
34	Microarray analysis of hepatic gene expression identifies new genes involved in steatotic liver. Physiological Genomics, 2009, 37, 187-198.	1.0	96
35	The Impact of Postprandial Lipemia in Accelerating Atherothrombosis. European Journal of Cardiovascular Prevention and Rehabilitation, 2000, 7, 317-324.	3.1	95
36	Proposed guidelines to evaluate scientific validity and evidence for genotype-based dietary advice. Genes and Nutrition, 2017, 12, 35.	1.2	95

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37	Conjugated linoleic acid and inflammatory cell signalling. Prostaglandins Leukotrienes and Essential Fatty Acids, 2010, 82, 199-204.	1.0	94
38	Combining traditional dietary assessment methods with novel metabolomics techniques: present efforts by the Food Biomarker Alliance. Proceedings of the Nutrition Society, 2017, 76, 619-627.	0.4	93
39	Fatty acids and chronic low grade inflammation associated with obesity and the metabolic syndrome. European Journal of Pharmacology, 2016, 785, 207-214.	1.7	92
40	Selective effect of conjugated linoleic acid isomers on atherosclerotic lesion development in apolipoprotein E knockout mice. Atherosclerosis, 2006, 189, 318-327.	0.4	91
41	Oxidative stress is associated with the number of components of metabolic syndrome: LIPGENE study. Experimental and Molecular Medicine, 2013, 45, e28-e28.	3.2	89
42	Genetic and nutrient determinants of the metabolic syndrome. Current Opinion in Cardiology, 2006, 21, 185-193.	0.8	88
43	Gene-nutrient interactions in the metabolic syndrome: single nucleotide polymorphisms in ADIPOQ and ADIPOR1interact with plasma saturated fatty acids to modulate insulin resistance. American Journal of Clinical Nutrition, 2010, 91, 794-801.	2.2	82
44	Serum Vitamin D Concentration Does Not Predict Insulin Action or Secretion in European Subjects With the Metabolic Syndrome. Diabetes Care, 2010, 33, 923-925.	4.3	82
45	Fatty acids and the metabolic syndrome. Proceedings of the Nutrition Society, 2005, 64, 23-29.	0.4	80
46	Next-generation sequencing identifies TGF-Î²1-associated gene expression profiles in renal epithelial cells reiterated in human diabetic nephropathy. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 589-599.	1.8	80
47	Î²â€•1,3/1,6â€•Glucans and Immunity: State of the Art and Future Directions. Molecular Nutrition and Food Research, 2021, 65, e1901071.	1.5	80
48	Omega-3 fatty acids attenuate dendritic cell function via NF-ÎºB independent of PPARÎ³. Journal of Nutritional Biochemistry, 2011, 22, 784-790.	1.9	79
49	Perspective: Dietary Biomarkers of Intake and Exposureâ€"Exploration with Omics Approaches. Advances in Nutrition, 2020, 11, 200-215.	2.9	79
50	Divergent mechanisms of cis 9, trans 11 â€•and trans 10 , cis 12 â€•conjugated linoleic acid affecting insulin resistance and inflammation in apolipoprotein E knockout mice: a proteomics approach. FASEB Journal, 2005, 19, 1746-1748.	0.2	78
51	Obesity and body fat classification in the metabolic syndrome: Impact on cardiometabolic risk metabotype. Obesity, 2013, 21, E154-61.	1.5	78
52	Dietary fat modifies the postprandial inflammatory state in subjects with metabolic syndrome: the <scp>LIPGENE</scp> study. Molecular Nutrition and Food Research, 2012, 56, 854-865.	1.5	77
53	Protein Quality and the Protein to Carbohydrate Ratio within a High Fat Diet Influences Energy Balance and the Gut Microbiota In C57BL/6J Mice. PLoS ONE, 2014, 9, e88904.	1.1	77
54	Metabolic Inflammation-Differential Modulation by Dietary Constituents. Nutrients, 2016, 8, 247.	1.7	77

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55	Hormonal and metabolic effects of polyunsaturated fatty acids in young women with polycystic ovary syndrome: results from a cross-sectional analysis and a randomized, placebo-controlled, crossover trial. American Journal of Clinical Nutrition, 2011, 93, 652-662.	2.2	74
56	Differences in postprandial lipaemic response between Northern and Southern Europeans. Atherosclerosis, 1998, 139, 83-93.	0.4	72
57	Identification of Differential Responses to an Oral Glucose Tolerance Test in Healthy Adults. PLoS ONE, 2013, 8, e72890.	1.1	72
58	LIPGENE food-exchange model for alteration of dietary fat quantity and quality in free-living participants from eight European countries. British Journal of Nutrition, 2009, 101, 750-759.	1.2	70
59	Postprandial oxidative stress is modified by dietary fat: evidence from a human intervention study. Clinical Science, 2010, 119, 251-261.	1.8	70
60	Leptin Receptor Polymorphisms Interact with Polyunsaturated Fatty Acids to Augment Risk of Insulin Resistance and Metabolic Syndrome in Adults. Journal of Nutrition, 2010, 140, 238-244.	1.3	69
61	Regression of pre-established atherosclerosis in the apoEâ˘'/â˘' mouse by conjugated linoleic acid. Biochemical Society Transactions, 2003, 31, 1075-1079.	1.6	68
62	The relationship between BMI and metabolomic profiles: a focus on amino acids. Proceedings of the Nutrition Society, 2012, 71, 634-638.	0.4	68
63	High-Molecular-Weight Adiponectin Is Selectively Reduced in Women with Polycystic Ovary Syndrome Independent of Body Mass Index and Severity of Insulin Resistance. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1378-1385.	1.8	66
64	The effect of test meal monounsaturated fatty acid: saturated fatty acid ratio on postprandial lipid metabolism. British Journal of Nutrition, 1998, 79, 419-424.	1.2	65
65	The effects of conjugated linoleic acid supplementation on immune function in healthy volunteers. European Journal of Clinical Nutrition, 2005, 59, 742-750.	1.3	63
66	Trans-10, cis-12- and cis-9, trans-11-Conjugated Linoleic Acid Isomers Selectively Modify HDL-Apolipoprotein Composition in Apolipoprotein E Knockout Mice. Journal of Nutrition, 2006, 136, 353-359.	1.3	63
67	Insights into the role of macrophage migration inhibitory factor in obesity and insulin resistance. Proceedings of the Nutrition Society, 2012, 71, 622-633.	0.4	63
68	Long-chain n-3 polyunsaturated fatty acids and triacylglycerol metabolism in the postprandial state. Lipids, 1999, 34, S259-S265.	0.7	60
69	Complement component 3 polymorphisms interact with polyunsaturated fatty acids to modulate risk of metabolic syndrome. American Journal of Clinical Nutrition, 2009, 90, 1665-1673.	2.2	59
70	Prediction of the metabolic syndrome status based on dietary and genetic parameters, using Random Forest. Genes and Nutrition, 2008, 3, 173-176.	1.2	57
71	Relationship between the lipidome, inflammatory markers and insulin resistance. Molecular BioSystems, 2014, 10, 1586-1595.	2.9	57
72	Fatty acids and epithelial permeability: effect of conjugated linoleic acid in Caco-2 cells. Gut, 2001, 48, 797-802.	6.1	56

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73	The potential role of olive oilâ€derived MUFA in insulin sensitivity. Molecular Nutrition and Food Research, 2007, 51, 1235-1248.	1.5	55
74	Dietary saturated fat, gender and genetic variation at the TCF7L2 locus predict the development of metabolic syndrome. Journal of Nutritional Biochemistry, 2012, 23, 239-244.	1.9	55
75	Nutritional aspects of metabolic inflammation in relation to healthâ€"insights from transcriptomic biomarkers in <scp>PBMC</scp> of fatty acids and polyphenols. Molecular Nutrition and Food Research, 2014, 58, 1708-1720.	1.5	55
76	Dietary fat differentially influences regulatory endothelial function during the postprandial state in patients with metabolic syndrome: From the LIPGENE study. Atherosclerosis, 2010, 209, 533-538.	0.4	54
77	Insulin resistance determines a differential response to changes in dietary fat modification on metabolic syndrome risk factors: the LIPGENE study. American Journal of Clinical Nutrition, 2015, 102, 1509-1517.	2.2	54
78	Nutritional modulation of metabolic inflammation. Biochemical Society Transactions, 2017, 45, 979-985.	1.6	54
79	Postprandial coagulation factor VII activity: the effect of monounsaturated fatty acids. British Journal of Nutrition, 1997, 77, 537-549.	1.2	53
80	Gene-nutrient interactions with dietary fat modulate the association between genetic variation of the ACSL1 gene and metabolic syndrome. Journal of Lipid Research, 2010, 51, 1793-1800.	2.0	53
81	High-Density Lipoprotein Proteomic Composition, and not Efflux Capacity, Reflects Differential Modulation of Reverse Cholesterol Transport by Saturated and Monounsaturated Fat Diets. Circulation, 2016, 133, 1838-1850.	1.6	53
82	Skeletal Muscle Fatty Acid Handling in Insulin Resistant Men. Obesity, 2011, 19, 1350-1359.	1.5	52
83	NOS3 gene polymorphisms are associated with risk markers of cardiovascular disease, and interact with omega-3 polyunsaturated fatty acids. Atherosclerosis, 2010, 211, 539-544.	0.4	50
84	Pleiotropic effects of TCF7L2 gene variants and its modulation in the metabolic syndrome: From the LIPGENE study. Atherosclerosis, 2011, 214, 110-116.	0.4	50
85	Effect of dietary supplementation with conjugated linoleic acid on markers of calcium and bone metabolism in healthy adult men. European Journal of Clinical Nutrition, 2005, 59, 432-440.	1.3	49
86	A Low-Fat, High-Complex Carbohydrate Diet Supplemented with Long-Chain (n-3) Fatty Acids Alters the Postprandial Lipoprotein Profile in Patients with Metabolic Syndrome. Journal of Nutrition, 2010, 140, 1595-1601.	1.3	49
87	Additive Effect of Polymorphisms in the IL-6, LTA, and TNF-Î± Genes and Plasma Fatty Acid Level Modulate Risk for the Metabolic Syndrome and Its Components. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1386-1394.	1.8	48
88	The relationship between aerobic fitness level and metabolic profiles in healthy adults. Molecular Nutrition and Food Research, 2013, 57, 1246-1254.	1.5	48
89	A low-fat high-carbohydrate diet supplemented with long-chain n-3 PUFA reduces the risk of the metabolic syndrome. Atherosclerosis, 2011, 218, 443-450.	0.4	47
90	Effects of the Mediterranean Diet Supplemented With Coenzyme Q10 on Metabolomic Profiles in Elderly Men and Women. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2015, 70, 78-84.	1.7	47

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91	Dietary fat composition: replacement of saturated fatty acids with PUFA as a public health strategy, with an emphasis on Î±-linolenic acid. Proceedings of the Nutrition Society, 2019, 78, 234-245.	0.4	46
92	Dietary Saturated Fat Modulates the Association between STAT3 Polymorphisms and Abdominal Obesity in Adults. Journal of Nutrition, 2009, 139, 2011-2017.	1.3	44
93	Attenuation of inflammation and cellular stressâ€related pathways maintains insulin sensitivity in obese type I interleukinâ€1 receptor knockout mice on a highâ€fat diet. Proteomics, 2009, 9, 3244-3256.	1.3	44
94	Postprandial inflammatory response in adipose tissue of patients with metabolic syndrome after the intake of different dietary models. Molecular Nutrition and Food Research, 2011, 55, 1759-1770.	1.5	44
95	Gene-nutrient interactions and gender may modulate the association between ApoA1 and ApoB gene polymorphisms and metabolic syndrome risk. Atherosclerosis, 2011, 214, 408-414.	0.4	43
96	Increased intake of fruit and vegetables and a low-fat diet, with and without low-fat plant sterol-enriched spread consumption: effects on plasma lipoprotein and carotenoid metabolism. Journal of Human Nutrition and Dietetics, 2004, 17, 561-569.	1.3	42
97	Impact of anti-inflammatory nutrients on obesity-associated metabolic-inflammation from childhood through to adulthood. Proceedings of the Nutrition Society, 2016, 75, 115-124.	0.4	42
98	Regulating metabolic inflammation by nutritional modulation. Journal of Allergy and Clinical Immunology, 2020, 146, 706-720.	1.5	42
99	Conjugated linoleic acid and atherosclerosis: no effect on molecular markers of cholesterol homeostasis in THP-1 macrophages. Atherosclerosis, 2004, 174, 261-273.	0.4	40
100	Lipoprotein Subclass Patterns in Women with Polycystic Ovary Syndrome (PCOS) Compared with Equally Insulin-Resistant Women without PCOS. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 3933-3939.	1.8	40
101	Dietary fat, abdominal obesity and smoking modulate the relationship between plasma complement component 3 concentrations and metabolic syndrome risk. Atherosclerosis, 2012, 220, 513-519.	0.4	40
102	Macrophage Migration Inhibitory Factor Deficiency Ameliorates High-Fat Diet Induced Insulin Resistance in Mice with Reduced Adipose Inflammation and Hepatic Steatosis. PLoS ONE, 2014, 9, e113369.	1.1	40
103	Postprandial triacylglycerolaemiaâ€”Nutritional implications. Progress in Lipid Research, 1995, 34, 249-266.	5.3	39
104	Cis-9, trans-11-conjugated linoleic acid but not its precursor trans-vaccenic acid attenuate inflammatory markers in the human colonic epithelial cell line Caco-2. British Journal of Nutrition, 2008, 100, 13-17.	1.2	39
105	Effects of dietary fat modification on oxidative stress and inflammatory markers in the LIPGENE study. British Journal of Nutrition, 2010, 104, 1357-1362.	1.2	39
106	Endogenous Oils Derived From Human Adipocytes Are Potent Adjuvants That Promote IL-1Î±â€“Dependent Inflammation. Diabetes, 2014, 63, 2037-2050.	0.3	38
107	Identification of a plasma signature of psychotic disorder in children and adolescents from the Avon Longitudinal Study of Parents and Children (ALSPAC) cohort. Translational Psychiatry, 2017, 7, e1240-e1240.	2.4	38
108	Leucocytosis in women with polycystic ovary syndrome (<scp>PCOS</scp>) is incompletely explained by obesity and insulin resistance. Clinical Endocrinology, 2013, 78, 107-113.	1.2	37

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109	PBMCs reflect the immune component of the WAT transcriptomeâ€"Implications as biomarkers of metabolic health in the postprandial state. Molecular Nutrition and Food Research, 2014, 58, 808-820.	1.5	37
110	Antioxidant system response is modified by dietary fat in adipose tissue of metabolic syndrome patients. Journal of Nutritional Biochemistry, 2013, 24, 1717-1723.	1.9	36
111	Transcriptomic Coordination in the Human Metabolic Network Reveals Links between n-3 Fat Intake, Adipose Tissue Gene Expression and Metabolic Health. PLoS Computational Biology, 2011, 7, e1002223.	1.5	36
112	Whey protein isolate counteracts the effects of a high-fat diet on energy intake and hypothalamic and adipose tissue expression of energy balance-related genes. British Journal of Nutrition, 2013, 110, 2114-2126.	1.2	34
113	Adipose tissue dysregulation and metabolic consequences in childhood and adolescent obesity: potential impact of dietary fat quality. Proceedings of the Nutrition Society, 2015, 74, 67-82.	0.4	34
114	Dietary carbohydrates and triacylglycerol metabolism. Proceedings of the Nutrition Society, 1999, 58, 201-207.	0.4	33
115	Dietary lipids and gene expression. Biochemical Society Transactions, 2004, 32, 999-1002.	1.6	33
116	Conjugated linoleic acid supplementation reduces peripheral blood mononuclear cell interleukin-2 production in healthy middle-aged males. Journal of Nutritional Biochemistry, 2007, 18, 658-666.	1.9	33
117	A Conjugated Linoleic Acid-Enriched Beef Diet Attenuates Lipopolysaccharide-Induced Inflammation in Mice in Part through PPARÎ³-Mediated Suppression of Toll-Like Receptor 4. Journal of Nutrition, 2009, 139, 2351-2357.	1.3	33
118	Within-person variation in the postprandial lipemic response of healthy adults. American Journal of Clinical Nutrition, 2013, 97, 261-267.	2.2	33
119	The SGBS cell strain as a model for the in vitro study of obesity and cancer. Clinical and Translational Oncology, 2012, 14, 774-782.	1.2	32
120	Effect of Dietary Lipids on Endotoxemia Influences Postprandial Inflammatory Response. Journal of Agricultural and Food Chemistry, 2017, 65, 7756-7763.	2.4	32
121	Beneficial properties of olive oil. Food Research International, 2000, 33, 227-231.	2.9	31
122	Habitual dietary intake impacts on the lipidomic profile. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 966, 140-146.	1.2	31
123	APOE genotype influences insulin resistance, apolipoprotein CII and CIII according to plasma fatty acid profile in the Metabolic Syndrome. Scientific Reports, 2017, 7, 6274.	1.6	31
124	Impact of leucine on energy balance. Journal of Physiology and Biochemistry, 2013, 69, 155-163.	1.3	30
125	Dietary isoflavone intake is associated with evoked responses to inflammatory cardiometabolic stimuli and improved glucose homeostasis in healthy volunteers. Nutrition, Metabolism and Cardiovascular Diseases, 2014, 24, 996-1003.	1.1	30
126	Dietary fat quantity and quality modifies advanced glycation end products metabolism in patients with metabolic syndrome. Molecular Nutrition and Food Research, 2017, 61, 1601029.	1.5	30

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127	Nutrigenomicsâ€"new approaches for human nutrition research. Journal of the Science of Food and Agriculture, 2006, 86, 1156-1163.	1.7	29
128	A Period 2 Genetic Variant Interacts with Plasma SFA to Modify Plasma Lipid Concentrations in Adults with Metabolic Syndrome. Journal of Nutrition, 2012, 142, 1213-1218.	1.3	29
129	Postprandial changes in the proteome are modulated by dietary fat in patients with metabolic syndrome. Journal of Nutritional Biochemistry, 2013, 24, 318-324.	1.9	29
130	SerpinA3N is a novel hypothalamic gene upregulated by a high-fat diet and leptin in mice. Genes and Nutrition, 2018, 13, 28.	1.2	29
131	Effects of rs7903146 Variation in the Tcf7l2 Gene in the Lipid Metabolism of Three Different Populations. PLoS ONE, 2012, 7, e43390.	1.1	29
132	Expression of perilipins in human skeletal musclein vitroandin vivoin relation to diet, exercise and energy balance. Archives of Physiology and Biochemistry, 2012, 118, 22-30.	1.0	28
133	ACC2 gene polymorphisms, metabolic syndrome, and gene-nutrient interactions with dietary fat. Journal of Lipid Research, 2010, 51, 3500-3507.	2.0	27
134	Genetic variations at the lipoprotein lipase gene influence plasma lipid concentrations and interact with plasma n-6 polyunsaturated fatty acids to modulate lipid metabolism. Atherosclerosis, 2011, 218, 416-422.	0.4	27
135	Glucokinase Regulatory Protein Genetic Variant Interacts with Omega-3 PUFA to Influence Insulin Resistance and Inflammation in Metabolic Syndrome. PLoS ONE, 2011, 6, e20555.	1.1	27
136	Eicosapentaenoic acid and 3,10 dithia stearic acid inhibit the desaturation of trans-vaccenic acid into cis-9, trans-11-conjugated linoleic acid through different pathways in Caco-2 and T84 cells. British Journal of Nutrition, 2006, 95, 688-695.	1.2	26
137	Geneâ€"Nutrient Interactions in the Metabolic Syndrome. Journal of Nutrigenetics and Nutrigenomics, 2008, 1, 136-151.	1.8	26
138	Long-term exposure to a high-fat diet results in the development of glucose intolerance and insulin resistance in interleukin-1 receptor I-deficient mice. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E834-E844.	1.8	26
139	Conjugated linoleic acid suppresses dendritic cell activation and subsequent Th17 responses. Journal of Nutritional Biochemistry, 2014, 25, 741-749.	1.9	26
140	A casein hydrolysate protects mice against high fat diet induced hyperglycemia by attenuating NLRP3 inflammasomeâ€mediated inflammation and improving insulin signaling. Molecular Nutrition and Food Research, 2016, 60, 2421-2432.	1.5	26
141	Effect of postprandial lipaemia and Taq 1B polymorphism of the cholesteryl ester transfer protein (CETP) gene on CETP mass, activity, associated lipoproteins and plasma lipids. British Journal of Nutrition, 2000, 84, 203-209.	1.2	25
142	Calpain-10 interacts with plasma saturated fatty acid concentrations to influence insulin resistance in individuals with the metabolic syndrome. American Journal of Clinical Nutrition, 2011, 93, 1136-1141.	2.2	25
143	Effect of dietary fat modification on subcutaneous white adipose tissue insulin sensitivity in patients with metabolic syndrome. Molecular Nutrition and Food Research, 2014, 58, 2177-2188.	1.5	25
144	Top Single Nucleotide Polymorphisms Affecting Carbohydrate Metabolism in Metabolic Syndrome: From the LIPGENE Study. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E384-E389.	1.8	25

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145	Diet and Metabolic Syndrome: An Overview. Current Vascular Pharmacology, 2014, 11, 842-857.	0.8	25
146	Differences in glucose-dependent insulinotrophic polypeptide hormone and hepatic lipase in subjects of southern and northern Europe: implications for postprandial lipemia. American Journal of Clinical Nutrition, 2000, 71, 13-20.	2.2	24
147	Conjugated linoleic acid: a functional nutrient in the different pathophysiological components of the metabolic syndrome?. Current Opinion in Clinical Nutrition and Metabolic Care, 2006, 9, 740-747.	1.3	24
148	Synthesis of trans-vaccenic acid and cis-9-trans-11-conjugated linoleic acid. Tetrahedron, 2006, 62, 4838-4843.	1.0	24
149	Conjugated Linoleic Acid and Alpha Linolenic Acid Improve Cholesterol Homeostasis in Obesity by Modulating Distinct Hepatic Protein Pathways. Molecular Nutrition and Food Research, 2020, 64, e1900599.	1.5	24
150	Does supplementation with leucine-enriched protein alone and in combination with fish-oil-derived nâ€“3 PUFA affect muscle mass, strength, physical performance, and muscle protein synthesis in well-nourished older adults? A randomized, double-blind, placebo-controlled trial. American Journal of Clinical Nutrition, 2021, 113, 1411-1427.	2.2	24
151	Metabolic and hormonal aspects of polycystic ovary syndrome: the impact of diet. Proceedings of the Nutrition Society, 2010, 69, 628-635.	0.4	23
152	The NuGO proof of principle study package: a collaborative research effort of the European Nutrigenomics Organisation. Genes and Nutrition, 2008, 3, 147-151.	1.2	22
153	Mediterranean Diet, Glucose Homeostasis, and Inflammasome Genetic Variants: The CORDIOPREV Study. Molecular Nutrition and Food Research, 2018, 62, e1700960.	1.5	22
154	The challenges for molecular nutrition research 4: the â€œnutritional systems biology levelâ€• Genes and Nutrition, 2008, 3, 107-113.	1.2	21
155	Modulation of the lipidomic profile due to a lipid challenge and fitness level: a postprandial study. Lipids in Health and Disease, 2015, 14, 65.	1.2	21
156	Interactions between differential fatty acids and inflammatory stressorsâ€”impact on metabolic health. Prostaglandins Leukotrienes and Essential Fatty Acids, 2015, 92, 49-55.	1.0	21
157	Obesity, COVID-19 and innate immunometabolism. British Journal of Nutrition, 2021, 125, 628-632.	1.2	21
158	Olive oil, high-oleic acid sunflower oil and CHD. British Journal of Nutrition, 2001, 85, 3-4.	1.2	20
159	Effects of dietary fat modification on skeletal muscle fatty acid handling in the metabolic syndrome. International Journal of Obesity, 2010, 34, 859-870.	1.6	20
160	Interâ€organ proteomic analysis reveals insights into the molecular mechanisms underlying the antiâ€diabetic effects of <i>cis</i>â€9, <i>trans</i>â€11â€conjugated linoleic acid in <i>ob/ob</i> mice. Proteomics, 2012, 12, 461-476.	1.3	20
161	Peripheral blood mononuclear cells as in vivo model for dietary intervention induced systemic oxidative stress. Food and Chemical Toxicology, 2014, 72, 178-186.	1.8	20
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