

Helen M Roche

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2695479/helen-m-roche-publications-by-year.pdf>

Version: 2024-04-25

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

239
papers

10,730
citations

57
h-index

92
g-index

248
ext. papers

12,061
ext. citations

4.6
avg, IF

6.17
L-index

#	Paper	IF	Citations
239	Interindividual variability in response to protein and fish oil supplementation in older adults: a randomized controlled trial.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022 ,	10.3	1
238	Sodium salicylate rewires hepatic metabolic pathways in obesity and attenuates IL-1 β secretion from adipose tissue - implications for obesity-impaired reverse cholesterol transport.. <i>Molecular Metabolism</i> , 2021 , 56, 101425	8.8	1
237	Innovative plant Protein fibre and Physical activity solutions to address poor appetite and prevent undernutrition in older adults APPETITE. <i>Nutrition Bulletin</i> , 2021 , 46, 486-496	3.5	0
236	Does supplementation with leucine-enriched protein alone and in combination with fish-oil-derived n-3 PUFA affect muscle mass, strength, physical performance, and muscle protein synthesis in well-nourished older adults? A randomized, double-blind, placebo-controlled trial. <i>American Journal of Clinical Nutrition</i> , 2021 , 113, 1411-1427	7	8
235	Targeting the Gut Microbiota to Improve Dietary Protein Efficacy to Mitigate Sarcopenia. <i>Frontiers in Nutrition</i> , 2021 , 8, 656730	6.2	4
234	β 1,3/1,6-Glucans and Immunity: State of the Art and Future Directions. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e1901071	5.9	27
233	Microbiome Transfer Partly Overrides Lack of IL-1RI Signaling to Alter Hepatic but not Adipose Tissue Phenotype and Lipid Handling following a High-Fat Diet Challenge. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2000202	5.9	2
232	Mechanisms of intermittent hypoxia-mediated macrophage activation - potential therapeutic targets for obstructive sleep apnoea. <i>Journal of Sleep Research</i> , 2021 , 30, e13202	5.8	4
231	The Impact of Protein Supplementation on Appetite and Energy Intake in Healthy Older Adults: A Systematic Review with Meta-Analysis. <i>Advances in Nutrition</i> , 2021 , 12, 490-502	10	3
230	Discriminating Dietary Responses by Combining Transcriptomics and Metabolomics Data in Nutrition Intervention Studies. <i>Molecular Nutrition and Food Research</i> , 2021 , 65, e2000647	5.9	4
229	Obesity, COVID-19 and innate immunometabolism. <i>British Journal of Nutrition</i> , 2021 , 125, 628-632	3.6	11
228	Substantial inter-individual variations in insulin secretion and sensitivity across the glucometabolic spectrum. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2020 , 80, 282-290	2	3
227	Dietary substitution of SFA with MUFA within high-fat diets attenuates hyperinsulinaemia and pancreatic islet dysfunction. <i>British Journal of Nutrition</i> , 2020 , 124, 247-255	3.6	8
226	OBEDIS Core Variables Project: European Expert Guidelines on a Minimal Core Set of Variables to Include in Randomized, Controlled Clinical Trials of Obesity Interventions. <i>Obesity Facts</i> , 2020 , 13, 1-28	5.1	5
225	Perspective: Dietary Biomarkers of Intake and Exposure-Exploration with Omics Approaches. <i>Advances in Nutrition</i> , 2020 , 11, 200-215	10	35
224	Conjugated Linoleic Acid and Alpha Linolenic Acid Improve Cholesterol Homeostasis in Obesity by Modulating Distinct Hepatic Protein Pathways. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900599	5.9	10
223	A modelling approach to investigate the impact of consumption of three different beef compositions on human dietary fat intakes. <i>Public Health Nutrition</i> , 2020 , 23, 2373-2383	3.3	6

222	Optimisation of a metabotype approach to deliver targeted dietary advice. <i>Nutrition and Metabolism</i> , 2020 , 17, 82	4.6	4
221	Personalized Nutrition for Inflammatory Bowel Disease. <i>Crohns & Colitis 360</i> , 2020 , 2,	1.4	2
220	Regulating metabolic inflammation by nutritional modulation. <i>Journal of Allergy and Clinical Immunology</i> , 2020 , 146, 706-720	11.5	17
219	Diet-Gene Interactions 2020 , 371-376		
218	Hydroxylase Inhibition Selectively Induces Cell Death in Monocytes. <i>Journal of Immunology</i> , 2019 , 202, 1521-1530	5.3	5
217	Dietary modulation of energy homeostasis and metabolic-inflammation. <i>Proceedings of the Nutrition Society</i> , 2019 , 78, 313-318	2.9	9
216	Potential Interplay between Dietary Saturated Fats and Genetic Variants of the NLRP3 Inflammasome to Modulate Insulin Resistance and Diabetes Risk: Insights from a Meta-Analysis of 19'005 Individuals. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1900226	5.9	11
215	Integrated Analys of High-Fat Challenge-Induced Changes in Blood Cell Whole-Genome Gene Expression. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1900101	5.9	2
214	Effects of dietary fat on insulin secretion in subjects with the metabolic syndrome. <i>European Journal of Endocrinology</i> , 2019 , 180, 321-328	6.5	7
213	Nutritionally Derived Metabolic Cues Typical of the Obese Microenvironment Increase Cholesterol Efflux Capacity of Adipose Tissue Macrophages. <i>Molecular Nutrition and Food Research</i> , 2019 , 63, e1800713	5.9	5
212	Dietary fat composition: replacement of saturated fatty acids with PUFA as a public health strategy, with an emphasis on linolenic acid. <i>Proceedings of the Nutrition Society</i> , 2019 , 78, 234-245	2.9	19
211	Personalized Cardio-Metabolic Responses to an Anti-Inflammatory Nutrition Intervention in Obese Adolescents: A Randomized Controlled Crossover Trial. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1701008	5.9	16
210	Mediterranean Diet, Glucose Homeostasis, and Inflammasome Genetic Variants: The CORDIOPREV Study. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1700960	5.9	15
209	Weighted Gene Co-Expression Network Analysis Identifies Gender Specific Modules and Hub Genes Related to Metabolism and Inflammation in Response to an Acute Lipid Challenge. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, 1700388	5.9	8
208	Exploring Coronary Artery Disease GWAs Targets With Functional Links to Immunometabolism. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 148	5.4	7
207	is a novel hypothalamic gene upregulated by a high-fat diet and leptin in mice. <i>Genes and Nutrition</i> , 2018 , 13, 28	4.3	17
206	Nutrition and physical activity countermeasures for sarcopenia: Time to get personal?. <i>Nutrition Bulletin</i> , 2018 , 43, 374-387	3.5	7
205	Nutritional Modulation of AMPK-Impact upon Metabolic-Inflammation. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	56

204	A proteomic signature that reflects pancreatic beta-cell function. <i>PLoS ONE</i> , 2018 , 13, e0202727	3.7	5
203	Dietary fat may modulate adipose tissue homeostasis through the processes of autophagy and apoptosis. <i>European Journal of Nutrition</i> , 2017 , 56, 1621-1628	5.2	15
202	Dietary fat quantity and quality modifies advanced glycation end products metabolism in patients with metabolic syndrome. <i>Molecular Nutrition and Food Research</i> , 2017 , 61, 1601029	5.9	21
201	Exploring the Links between Diet and Health in an Irish Cohort: A Lipidomic Approach. <i>Journal of Proteome Research</i> , 2017 , 16, 1280-1287	5.6	4
200	Intermittent hypoxia in obstructive sleep apnoea mediates insulin resistance through adipose tissue inflammation. <i>European Respiratory Journal</i> , 2017 , 49,	13.6	81
199	Sexual Dimorphism, Age, and Fat Mass Are Key Phenotypic Drivers of Proteomic Signatures. <i>Journal of Proteome Research</i> , 2017 , 16, 4122-4133	5.6	12
198	Proposed guidelines to evaluate scientific validity and evidence for genotype-based dietary advice. <i>Genes and Nutrition</i> , 2017 , 12, 35	4.3	72
197	Processed red meat contribution to dietary patterns and the associated cardio-metabolic outcomes. <i>British Journal of Nutrition</i> , 2017 , 118, 222-228	3.6	14
196	Fatty Acids and NLRP3 Inflammasome-Mediated Inflammation in Metabolic Tissues. <i>Annual Review of Nutrition</i> , 2017 , 37, 77-102	9.9	122
195	Nutritional modulation of metabolic inflammation. <i>Biochemical Society Transactions</i> , 2017 , 45, 979-985	5.1	45
194	APOE genotype influences insulin resistance, apolipoprotein CII and CIII according to plasma fatty acid profile in the Metabolic Syndrome. <i>Scientific Reports</i> , 2017 , 7, 6274	4.9	25
193	Effect of Dietary Lipids on Endotoxemia Influences Postprandial Inflammatory Response. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 7756-7763	5.7	23
192	Combining traditional dietary assessment methods with novel metabolomics techniques: present efforts by the Food Biomarker Alliance. <i>Proceedings of the Nutrition Society</i> , 2017 , 76, 619-627	2.9	62
191	Clustering high-dimensional mixed data to uncover sub-phenotypes: joint analysis of phenotypic and genotypic data. <i>Statistics in Medicine</i> , 2017 , 36, 4548-4569	2.3	9
190	Identification of a plasma signature of psychotic disorder in children and adolescents from the Avon Longitudinal Study of Parents and Children (ALSPAC) cohort. <i>Translational Psychiatry</i> , 2017 , 7, e1240	8.6	27
189	A casein hydrolysate protects mice against high fat diet induced hyperglycemia by attenuating NLRP3 inflammasome-mediated inflammation and improving insulin signaling. <i>Molecular Nutrition and Food Research</i> , 2016 , 60, 2421-2432	5.9	16
188	Impact of anti-inflammatory nutrients on obesity-associated metabolic-inflammation from childhood through to adulthood. <i>Proceedings of the Nutrition Society</i> , 2016 , 75, 115-24	2.9	32
187	Linking Inflammation, Obesity, and Diabetes 2016 , 505-524		

186	Association of the tumor necrosis factor-alpha promoter polymorphism with change in triacylglycerol response to sequential meals. <i>Nutrition Journal</i> , 2016 , 15, 70	4.3	3
185	Uncovering Factors Related to Pancreatic Beta-Cell Function. <i>PLoS ONE</i> , 2016 , 11, e0161350	3.7	4
184	Metabolic Inflammation-Differential Modulation by Dietary Constituents. <i>Nutrients</i> , 2016 , 8,	6.7	68
183	Obesity and Insulin Resistance Are the Main Determinants of Postprandial Lipoprotein Dysmetabolism in Polycystic Ovary Syndrome. <i>International Journal of Endocrinology</i> , 2016 , 2016, 9545239	3.7	9
182	Fatty acids and chronic low grade inflammation associated with obesity and the metabolic syndrome. <i>European Journal of Pharmacology</i> , 2016 , 785, 207-214	5.3	77
181	High-Density Lipoprotein Proteomic Composition, and not Efflux Capacity, Reflects Differential Modulation of Reverse Cholesterol Transport by Saturated and Monounsaturated Fat Diets. <i>Circulation</i> , 2016 , 133, 1838-50	16.7	40
180	Adipose tissue dysregulation and metabolic consequences in childhood and adolescent obesity: potential impact of dietary fat quality. <i>Proceedings of the Nutrition Society</i> , 2015 , 74, 67-82	2.9	29
179	Proteome from patients with metabolic syndrome is regulated by quantity and quality of dietary lipids. <i>BMC Genomics</i> , 2015 , 16, 509	4.5	15
178	Insulin resistance determines a differential response to changes in dietary fat modification on metabolic syndrome risk factors: the LIPGENE study. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 1509-17	7	40
177	Interactions between differential fatty acids and inflammatory stressors-impact on metabolic health. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2015 , 92, 49-55	2.8	16
176	Low-grade inflammation, diet composition and health: current research evidence and its translation. <i>British Journal of Nutrition</i> , 2015 , 114, 999-1012	3.6	407
175	Application of Omics Technologies 2015 , 198-211		1
174	Body mass index mediates inflammatory response to acute dietary challenges. <i>Molecular Nutrition and Food Research</i> , 2015 , 59, 2279-92	5.9	10
173	Modulation of the lipidomic profile due to a lipid challenge and fitness level: a postprandial study. <i>Lipids in Health and Disease</i> , 2015 , 14, 65	4.4	11
172	Effects of the Mediterranean diet supplemented with coenzyme q10 on metabolomic profiles in elderly men and women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015 , 70, 78-84	6.4	37
171	Monounsaturated fatty acid-enriched high-fat diets impede adipose NLRP3 inflammasome-mediated IL-1 β secretion and insulin resistance despite obesity. <i>Diabetes</i> , 2015 , 64, 2116-28	6.9	182
170	Linking Inflammation, Obesity and Diabetes 2015 , 1-24		
169	Relationship between the lipidome, inflammatory markers and insulin resistance. <i>Molecular BioSystems</i> , 2014 , 10, 1586-95		47

168	Effect of dietary fat modification on subcutaneous white adipose tissue insulin sensitivity in patients with metabolic syndrome. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 2177-88	5.9	23
167	PBMCs reflect the immune component of the WAT transcriptome--implications as biomarkers of metabolic health in the postprandial state. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 808-20	5.9	30
166	Nutritional aspects of metabolic inflammation in relation to health--insights from transcriptomic biomarkers in PBMC of fatty acids and polyphenols. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1708-20	5.9	48
165	Peripheral blood mononuclear cells as in vivo model for dietary intervention induced systemic oxidative stress. <i>Food and Chemical Toxicology</i> , 2014 , 72, 178-86	4.7	15
164	Influence of endothelial dysfunction on telomere length in subjects with metabolic syndrome: LIPGENE study. <i>Age</i> , 2014 , 36, 9681		10
163	Dietary fat modifies lipid metabolism in the adipose tissue of metabolic syndrome patients. <i>Genes and Nutrition</i> , 2014 , 9, 409	4.3	16
162	Top single nucleotide polymorphisms affecting carbohydrate metabolism in metabolic syndrome: from the LIPGENE study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014 , 99, E384-9	5.6	20
161	Conjugated linoleic acid suppresses dendritic cell activation and subsequent Th17 responses. <i>Journal of Nutritional Biochemistry</i> , 2014 , 25, 741-9	6.3	25
160	Dietary isoflavone intake is associated with evoked responses to inflammatory cardiometabolic stimuli and improved glucose homeostasis in healthy volunteers. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2014 , 24, 996-1003	4.5	26
159	Habitual dietary intake impacts on the lipidomic profile. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 966, 140-6	3.2	27
158	Endogenous oils derived from human adipocytes are potent adjuvants that promote IL-1 β dependent inflammation. <i>Diabetes</i> , 2014 , 63, 2037-50	0.9	32
157	Protein quality and the protein to carbohydrate ratio within a high fat diet influences energy balance and the gut microbiota in C57BL/6J mice. <i>PLoS ONE</i> , 2014 , 9, e88904	3.7	57
156	Impact of geographical region on urinary metabolomic and plasma fatty acid profiles in subjects with the metabolic syndrome across Europe: the LIPGENE study. <i>British Journal of Nutrition</i> , 2014 , 111, 424-31	3.6	15
155	Dietary fat differentially influences the lipids storage on the adipose tissue in metabolic syndrome patients. <i>European Journal of Nutrition</i> , 2014 , 53, 617-26	5.2	12
154	Macrophage migration inhibitory factor deficiency ameliorates high-fat diet induced insulin resistance in mice with reduced adipose inflammation and hepatic steatosis. <i>PLoS ONE</i> , 2014 , 9, e113369	3.7	29
153	Gene-nutrient interactions on the phosphoenolpyruvate carboxykinase influence insulin sensitivity in metabolic syndrome subjects. <i>Clinical Nutrition</i> , 2013 , 32, 630-5	5.9	7
152	Divergent effects of a CLA-enriched beef diet on metabolic health in ApoE $^{-/-}$ and ob/ob mice. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 401-11	6.3	7
151	A gene variation (rs12691) in the CCAT/enhancer binding protein β modulates glucose metabolism in metabolic syndrome. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2013 , 23, 417-23	4.5	6

150	Endoplasmic reticulum stress in adipose tissue determines postprandial lipoprotein metabolism in metabolic syndrome patients. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 2166-76	5.9	6
149	Antioxidant system response is modified by dietary fat in adipose tissue of metabolic syndrome patients. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 1717-23	6.3	28
148	Impact of leucine on energy balance. <i>Journal of Physiology and Biochemistry</i> , 2013 , 69, 155-63	5	21
147	Network analysis of adipose tissue gene expression highlights altered metabolic and regulatory transcriptomic activity in high-fat-diet-fed IL-1RI knockout mice. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 788-95	6.3	13
146	Leucocytosis in women with polycystic ovary syndrome (PCOS) is incompletely explained by obesity and insulin resistance. <i>Clinical Endocrinology</i> , 2013 , 78, 107-13	3.4	26
145	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. <i>British Journal of Nutrition</i> , 2013 , 110, 2114-26	3.6	29
144	Postprandial changes in the proteome are modulated by dietary fat in patients with metabolic syndrome. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 318-24	6.3	23
143	The relationship between aerobic fitness level and metabolic profiles in healthy adults. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 1246-54	5.9	38
142	Obesity and body fat classification in the metabolic syndrome: impact on cardiometabolic risk metabotype. <i>Obesity</i> , 2013 , 21, E154-61	8	66
141	Oxidative stress is associated with the number of components of metabolic syndrome: LIPGENE study. <i>Experimental and Molecular Medicine</i> , 2013 , 45, e28	12.8	63
140	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. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E834-44	6	22
139	Mechanisms of obesity-induced inflammation and insulin resistance: insights into the emerging role of nutritional strategies. <i>Frontiers in Endocrinology</i> , 2013 , 4, 52	5.7	307
138	Within-person variation in the postprandial lipemic response of healthy adults. <i>American Journal of Clinical Nutrition</i> , 2013 , 97, 261-7	7	28
137	Identification of differential responses to an oral glucose tolerance test in healthy adults. <i>PLoS ONE</i> , 2013 , 8, e72890	3.7	55
136	Diet and metabolic syndrome: an overview. <i>Current Vascular Pharmacology</i> , 2013 , 11, 842-57	3.3	17
135	Dietary saturated fat, gender and genetic variation at the TCF7L2 locus predict the development of metabolic syndrome. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 239-44	6.3	46
134	Dietary fat, abdominal obesity and smoking modulate the relationship between plasma complement component 3 concentrations and metabolic syndrome risk. <i>Atherosclerosis</i> , 2012 , 220, 513-9 ¹	3.1	36
133	Impact of dietary fat quantity and quality on skeletal muscle fatty acid metabolism in subjects with the metabolic syndrome. <i>Metabolism: Clinical and Experimental</i> , 2012 , 61, 1554-65	12.7	15

132	Expression of perilipins in human skeletal muscle in vitro and in vivo in relation to diet, exercise and energy balance. <i>Archives of Physiology and Biochemistry</i> , 2012 , 118, 22-30	2.2	25
131	High dietary saturated fat intake accentuates obesity risk associated with the fat mass and obesity-associated gene in adults. <i>Journal of Nutrition</i> , 2012 , 142, 824-31	4.1	88
130	Next-generation sequencing identifies TGF- β -associated gene expression profiles in renal epithelial cells reiterated in human diabetic nephropathy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012 , 1822, 589-99	6.9	57
129	Docosahexaenoic acid attenuates macrophage-induced inflammation and improves insulin sensitivity in adipocytes-specific differential effects between LC n-3 PUFA. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 1192-200	6.3	104
128	The relationship between BMI and metabolomic profiles: a focus on amino acids. <i>Proceedings of the Nutrition Society</i> , 2012 , 71, 634-8	2.9	58
127	The SGBS cell strain as a model for the in vitro study of obesity and cancer. <i>Clinical and Translational Oncology</i> , 2012 , 14, 774-82	3.6	26
126	Adipose triglyceride lipase and hormone-sensitive lipase protein expression in subcutaneous adipose tissue is decreased after an isoenergetic low-fat high-complex carbohydrate diet in the metabolic syndrome. <i>Metabolism: Clinical and Experimental</i> , 2012 , 61, 1404-12	12.7	8
125	Bioactivity in Whey Proteins Influencing Energy Balance. <i>Journal of Metabolic Syndrome</i> , 2012 , 01,		3
124	Inter-organ proteomic analysis reveals insights into the molecular mechanisms underlying the anti-diabetic effects of cis-9, trans-11-conjugated linoleic acid in ob/ob mice. <i>Proteomics</i> , 2012 , 12, 461-74	4.8	15
123	Insulin receptor substrate-2 gene variants in subjects with metabolic syndrome: association with plasma monounsaturated and n-3 polyunsaturated fatty acid levels and insulin resistance. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 309-15	5.9	4
122	Nutritional status, genetic susceptibility, and insulin resistance--important precedents to atherosclerosis. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 1173-84	5.9	15
121	Dietary saturated fatty acids prime the NLRP3 inflammasome via TLR4 in dendritic cells-implications for diet-induced insulin resistance. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 1212-22	5.9	121
120	Dietary fat modifies the postprandial inflammatory state in subjects with metabolic syndrome: the LIPGENE study. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 854-65	5.9	66
119	Obesity and Body Fat Classification in the Metabolic Syndrome: Impact on Cardiometabolic Risk Metabotype. <i>Obesity</i> , 2012 ,	8	7
118	A Period 2 genetic variant interacts with plasma SFA to modify plasma lipid concentrations in adults with metabolic syndrome. <i>Journal of Nutrition</i> , 2012 , 142, 1213-8	4.1	22
117	Elevated Tumor Expression of PAI-1 and SNAI2 in Obese Esophageal Adenocarcinoma Patients and Impact on Prognosis. <i>Clinical and Translational Gastroenterology</i> , 2012 , 3, e12	4.2	13
116	Lipoxin A4 attenuates adipose inflammation. <i>FASEB Journal</i> , 2012 , 26, 4287-94	0.9	89
115	Insights into the role of macrophage migration inhibitory factor in obesity and insulin resistance. <i>Proceedings of the Nutrition Society</i> , 2012 , 71, 622-33	2.9	52

114	Effects of rs7903146 variation in the Tcf7l2 gene in the lipid metabolism of three different populations. <i>PLoS ONE</i> , 2012 , 7, e43390	3.7	22
113	Calpain-10 interacts with plasma saturated fatty acid concentrations to influence insulin resistance in individuals with the metabolic syndrome. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 1136-41	7	19
112	Increased levels of microparticles originating from endothelial cells, platelets and erythrocytes in subjects with metabolic syndrome: relationship with oxidative stress. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2011 , 21, 665-71	4.5	78
111	Transcriptional metabolic inflexibility in skeletal muscle among individuals with increasing insulin resistance. <i>Obesity</i> , 2011 , 19, 2158-66	8	16
110	Pleiotropic effects of TCF7L2 gene variants and its modulation in the metabolic syndrome: from the LIPGENE study. <i>Atherosclerosis</i> , 2011 , 214, 110-6	3.1	41
109	Gene-nutrient interactions and gender may modulate the association between ApoA1 and ApoB gene polymorphisms and metabolic syndrome risk. <i>Atherosclerosis</i> , 2011 , 214, 408-14	3.1	36
108	A low-fat high-carbohydrate diet supplemented with long-chain n-3 PUFA reduces the risk of the metabolic syndrome. <i>Atherosclerosis</i> , 2011 , 218, 443-50	3.1	39
107	Genetic variations at the lipoprotein lipase gene influence plasma lipid concentrations and interact with plasma n-6 polyunsaturated fatty acids to modulate lipid metabolism. <i>Atherosclerosis</i> , 2011 , 218, 416-22	3.1	22
106	Skeletal muscle fatty acid handling in insulin resistant men. <i>Obesity</i> , 2011 , 19, 1350-9	8	47
105	Effects of dietary fat modification on insulin sensitivity and on other risk factors of the metabolic syndrome--LIPGENE: a European randomized dietary intervention study. <i>International Journal of Obesity</i> , 2011 , 35, 800-9	5.5	152
104	Omega-3 fatty acids attenuate dendritic cell function via NF- κ B independent of PPAR α . <i>Journal of Nutritional Biochemistry</i> , 2011 , 22, 784-90	6.3	68
103	Postprandial inflammatory response in adipose tissue of patients with metabolic syndrome after the intake of different dietary models. <i>Molecular Nutrition and Food Research</i> , 2011 , 55, 1759-70	5.9	38
102	Fats, inflammation and insulin resistance: insights to the role of macrophage and T-cell accumulation in adipose tissue. <i>Proceedings of the Nutrition Society</i> , 2011 , 70, 408-17	2.9	168
101	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. <i>American Journal of Clinical Nutrition</i> , 2011 , 93, 652-62	7	60
100	Lack of interleukin-1 receptor I (IL-1RI) protects mice from high-fat diet-induced adipose tissue inflammation coincident with improved glucose homeostasis. <i>Diabetes</i> , 2011 , 60, 1688-98	0.9	147
99	Transcriptomic coordination in the human metabolic network reveals links between n-3 fat intake, adipose tissue gene expression and metabolic health. <i>PLoS Computational Biology</i> , 2011 , 7, e1002223	5	30
98	Glucokinase regulatory protein genetic variant interacts with omega-3 PUFA to influence insulin resistance and inflammation in metabolic syndrome. <i>PLoS ONE</i> , 2011 , 6, e20555	3.7	22
97	Effects of dietary fat modification on skeletal muscle fatty acid handling in the metabolic syndrome. <i>International Journal of Obesity</i> , 2010 , 34, 859-70	5.5	19

96	Trans-10,cis-12-CLA dysregulate lipid and glucose metabolism and induce hepatic NR4A receptors. <i>Frontiers in Bioscience - Elite</i> , 2010 , 2, 87-97	1.6	9
95	Gene-nutrient interactions in the metabolic syndrome: single nucleotide polymorphisms in ADIPOQ and ADIPOR1 interact with plasma saturated fatty acids to modulate insulin resistance. <i>American Journal of Clinical Nutrition</i> , 2010 , 91, 794-801	7	67
94	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. <i>Journal of Nutrition</i> , 2010 , 140, 1595-601	4.1	38
93	Leptin receptor polymorphisms interact with polyunsaturated fatty acids to augment risk of insulin resistance and metabolic syndrome in adults. <i>Journal of Nutrition</i> , 2010 , 140, 238-44	4.1	51
92	High-molecular-weight adiponectin is selectively reduced in women with polycystic ovary syndrome independent of body mass index and severity of insulin resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 1378-85	5.6	57
91	Gene-nutrient interactions with dietary fat modulate the association between genetic variation of the ACSL1 gene and metabolic syndrome. <i>Journal of Lipid Research</i> , 2010 , 51, 1793-800	6.3	48
90	ACC2 gene polymorphisms, metabolic syndrome, and gene-nutrient interactions with dietary fat. <i>Journal of Lipid Research</i> , 2010 , 51, 3500-7	6.3	27
89	Postprandial oxidative stress is modified by dietary fat: evidence from a human intervention study. <i>Clinical Science</i> , 2010 , 119, 251-61	6.5	53
88	Serum vitamin D concentration does not predict insulin action or secretion in European subjects with the metabolic syndrome. <i>Diabetes Care</i> , 2010 , 33, 923-5	14.6	77
87	Additive effect of polymorphisms in the IL-6, LTA, and TNF- α genes and plasma fatty acid level modulate risk for the metabolic syndrome and its components. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 1386-94	5.6	41
86	Lipoprotein subclass patterns in women with polycystic ovary syndrome (PCOS) compared with equally insulin-resistant women without PCOS. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 3933-9	5.6	33
85	Lipoprotein profile, plasma ischemia modified albumin and LDL density change in the course of postprandial lipemia. Insights from the LIPGENE study. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2010 , 70, 201-8	2	14
84	Conjugated linoleic acid and inflammatory cell signalling. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2010 , 82, 199-204	2.8	80
83	Dietary fat differentially influences regulatory endothelial function during the postprandial state in patients with metabolic syndrome: from the LIPGENE study. <i>Atherosclerosis</i> , 2010 , 209, 533-8	3.1	48
82	NOS3 gene polymorphisms are associated with risk markers of cardiovascular disease, and interact with omega-3 polyunsaturated fatty acids. <i>Atherosclerosis</i> , 2010 , 211, 539-44	3.1	44
81	Effects of dietary fat modification on oxidative stress and inflammatory markers in the LIPGENE study. <i>British Journal of Nutrition</i> , 2010 , 104, 1357-62	3.6	33
80	Metabolic and hormonal aspects of polycystic ovary syndrome: the impact of diet. <i>Proceedings of the Nutrition Society</i> , 2010 , 69, 628-35	2.9	16
79	Dietary fat modifications and blood pressure in subjects with the metabolic syndrome in the LIPGENE dietary intervention study. <i>British Journal of Nutrition</i> , 2010 , 104, 160-3	3.6	16

78	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 n-3 PUFA. <i>Proceedings of the Nutrition Society</i> , 2010 , 69, 232-43	2.9	89
77	Anti-inflammatory effects of EPA and DHA are dependent upon time and dose-response elements associated with LPS stimulation in THP-1-derived macrophages. <i>Journal of Nutritional Biochemistry</i> , 2010 , 21, 444-50	6.3	161
76	Bi-directional gene set enrichment and canonical correlation analysis identify key diet-sensitive pathways and biomarkers of metabolic syndrome. <i>BMC Bioinformatics</i> , 2010 , 11, 499	3.6	16
75	Interferon gamma attenuates insulin signaling, lipid storage, and differentiation in human adipocytes via activation of the JAK/STAT pathway. <i>Journal of Biological Chemistry</i> , 2009 , 284, 31936-44	5.4	165
74	Dietary saturated fat modulates the association between STAT3 polymorphisms and abdominal obesity in adults. <i>Journal of Nutrition</i> , 2009 , 139, 2011-7	4.1	40
73	Complement component 3 polymorphisms interact with polyunsaturated fatty acids to modulate risk of metabolic syndrome. <i>American Journal of Clinical Nutrition</i> , 2009 , 90, 1665-73	7	55
72	Microarray analysis of hepatic gene expression identifies new genes involved in steatotic liver. <i>Physiological Genomics</i> , 2009 , 37, 187-98	3.6	82
71	A conjugated linoleic acid-enriched beef diet attenuates lipopolysaccharide-induced inflammation in mice in part through PPAR γ -mediated suppression of toll-like receptor 4. <i>Journal of Nutrition</i> , 2009 , 139, 2351-7	4.1	31
70	The effect of the plasma n-3/n-6 polyunsaturated fatty acid ratio on the dietary LDL phenotype transformation - insights from the LIPGENE study. <i>Clinical Nutrition</i> , 2009 , 28, 510-5	5.9	11
69	Attenuation of inflammation and cellular stress-related pathways maintains insulin sensitivity in obese type I interleukin-1 receptor knockout mice on a high-fat diet. <i>Proteomics</i> , 2009 , 9, 3244-56	4.8	37
68	Efecto de la cantidad y el tipo de grasa de la dieta en la respuesta posprandial de la concentraci3n de prote3na C reactiva en el s3ndrome metab3lico. <i>Clinica E Investigaci3n En Arteriosclerosis</i> , 2009 , 21, 281-286	1.4	1
67	LIPGENE food-exchange model for alteration of dietary fat quantity and quality in free-living participants from eight European countries. <i>British Journal of Nutrition</i> , 2009 , 101, 750-9	3.6	62
66	Gene-nutrient interactions in the metabolic syndrome. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2008 , 1, 136-51		21
65	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. <i>British Journal of Nutrition</i> , 2008 , 100, 13-7	3.6	37
64	Session 2: Personalised nutrition. Transcriptomic signatures that have identified key features of metabolic syndrome. <i>Proceedings of the Nutrition Society</i> , 2008 , 67, 395-403	2.9	4
63	The challenges for molecular nutrition research 4: the "nutritional systems biology level". <i>Genes and Nutrition</i> , 2008 , 3, 107-13	4.3	18
62	Prediction of the metabolic syndrome status based on dietary and genetic parameters, using Random Forest. <i>Genes and Nutrition</i> , 2008 , 3, 173-6	4.3	44
61	The NuGO proof of principle study package: a collaborative research effort of the European Nutrigenomics Organisation. <i>Genes and Nutrition</i> , 2008 , 3, 147-51	4.3	22

60	The potential role of olive oil-derived MUFA in insulin sensitivity. <i>Molecular Nutrition and Food Research</i> , 2007 , 51, 1235-48	5.9	44
59	Docosahexaenoic acid induces an anti-inflammatory profile in lipopolysaccharide-stimulated human THP-1 macrophages more effectively than eicosapentaenoic acid. <i>Journal of Nutritional Biochemistry</i> , 2007 , 18, 250-8	6.3	227
58	Conjugated linoleic acid supplementation reduces peripheral blood mononuclear cell interleukin-2 production in healthy middle-aged males. <i>Journal of Nutritional Biochemistry</i> , 2007 , 18, 658-66	6.3	27
57	Antidiabetic effects of cis-9, trans-11-conjugated linoleic acid may be mediated via anti-inflammatory effects in white adipose tissue. <i>Diabetes</i> , 2007 , 56, 574-82	0.9	137
56	Nutrigenomics—New approaches for human nutrition research. <i>Journal of the Science of Food and Agriculture</i> , 2006 , 86, 1156-1163	4.3	25
55	Profound resolution of early atherosclerosis with conjugated linoleic acid. <i>Atherosclerosis</i> , 2006 , 187, 40-9	3.1	100
54	Selective effect of conjugated linoleic acid isomers on atherosclerotic lesion development in apolipoprotein E knockout mice. <i>Atherosclerosis</i> , 2006 , 189, 318-27	3.1	79
53	LPS induced tissue factor expression in the THP-1 monocyte cell line is attenuated by conjugated linoleic acid. <i>Thrombosis Research</i> , 2006 , 117, 475-80	8.2	8
52	Trans-10, cis-12- and cis-9, trans-11-conjugated linoleic acid isomers selectively modify HDL-apolipoprotein composition in apolipoprotein E knockout mice. <i>Journal of Nutrition</i> , 2006 , 136, 353-9 ¹	4.1	54
51	Effect of acute dietary standardization on the urinary, plasma, and salivary metabolomic profiles of healthy humans. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 531-9	7	24 ¹
50	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. <i>British Journal of Nutrition</i> , 2006 , 95, 688-95	3.6	22
49	Conjugated linoleic acid: a functional nutrient in the different pathophysiological components of the metabolic syndrome?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2006 , 9, 740-7	3.8	20
48	Chronic but not acute conjugated linoleic acid treatment inhibits deoxycholic acid-induced protein kinase C and nuclear factor-kappaB activation in human colorectal cancer cells. <i>European Journal of Cancer Prevention</i> , 2006 , 15, 125-33	2	6
47	Genetic and nutrient determinants of the metabolic syndrome. <i>Current Opinion in Cardiology</i> , 2006 , 21, 185-93	2.1	73
46	Synthesis of trans-vaccenic acid and cis-9-trans-11-conjugated linoleic acid. <i>Tetrahedron</i> , 2006 , 62, 4838-4843	4.3	21
45	Metabolomics in human nutrition: opportunities and challenges. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 497-503	7	30 ⁷
44	Fatty acids and the metabolic syndrome. <i>Proceedings of the Nutrition Society</i> , 2005 , 64, 23-9	2.9	69
43	Effect of dietary supplementation with conjugated linoleic acid on markers of calcium and bone metabolism in healthy adult men. <i>European Journal of Clinical Nutrition</i> , 2005 , 59, 432-40	5.2	45

42	The effects of conjugated linoleic acid supplementation on immune function in healthy volunteers. <i>European Journal of Clinical Nutrition</i> , 2005 , 59, 742-50	5.2	58
41	Metabolomics in human nutrition: opportunities and challenges. <i>American Journal of Clinical Nutrition</i> , 2005 , 82, 497-503	7	293
40	Conjugated linoleic acid suppresses NF-kappa B activation and IL-12 production in dendritic cells through ERK-mediated IL-10 induction. <i>Journal of Immunology</i> , 2005 , 175, 4990-8	5.3	126
39	Divergent mechanisms of cis9, trans11-and trans10, cis12-conjugated linoleic acid affecting insulin resistance and inflammation in apolipoprotein E knockout mice: a proteomics approach. <i>FASEB Journal</i> , 2005 , 19, 1746-8	0.9	69
38	The metabolic syndrome: the crossroads of diet and genetics. <i>Proceedings of the Nutrition Society</i> , 2005 , 64, 371-7	2.9	111
37	Conjugated linoleic acid supplementation, insulin sensitivity, and lipoprotein metabolism in patients with type 2 diabetes mellitus. <i>American Journal of Clinical Nutrition</i> , 2004 , 80, 887-95	7	194
36	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. <i>Journal of Human Nutrition and Dietetics</i> , 2004 , 17, 561-9; quiz 571-4	3.1	37
35	Conjugated linoleic acid and atherosclerosis: no effect on molecular markers of cholesterol homeostasis in THP-1 macrophages. <i>Atherosclerosis</i> , 2004 , 174, 261-73	3.1	33
34	Dietary lipids and gene expression. <i>Biochemical Society Transactions</i> , 2004 , 32, 999-1002	5.1	25
33	Regression of pre-established atherosclerosis in the apoE ^{-/-} mouse by conjugated linoleic acid. <i>Biochemical Society Transactions</i> , 2003 , 31, 1075-9	5.1	62
32	Low serum cholesteryl ester-docosahexaenoic acid levels in Alzheimer's disease: a case-control study. <i>British Journal of Nutrition</i> , 2003 , 89, 483-9	3.6	262
31	Chronic but not acute treatment with conjugated linoleic acid (CLA) isomers (trans-10, cis-12 CLA and cis-9, trans-11 CLA) affects lipid metabolism in Caco-2 cells. <i>Journal of Nutrition</i> , 2002 , 132, 2167-73	4.1	11
30	Thermolabile methylenetetrahydrofolate reductase (C677T): frequency in the Irish population. <i>Irish Journal of Medical Science</i> , 2002 , 171, 37-9	1.9	2
29	The effect of dietary supplementation using isomeric blends of conjugated linoleic acid on lipid metabolism in healthy human subjects. <i>British Journal of Nutrition</i> , 2002 , 88, 243-51	3.6	187
28	Isomer-dependent metabolic effects of conjugated linoleic acid: insights from molecular markers sterol regulatory element-binding protein-1c and LXRA. <i>Diabetes</i> , 2002 , 51, 2037-44	0.9	153
27	Acute-on-chronic effects of fatty acids on intestinal triacylglycerol-rich lipoprotein metabolism. <i>British Journal of Nutrition</i> , 2002 , 88, 661-9	3.6	8
26	Fatty acids and epithelial permeability: effect of conjugated linoleic acid in Caco-2 cells. <i>Gut</i> , 2001 , 48, 797-802	19.2	50
25	Omega-3 fatty acid concentrate decreased triglycerides in coronary heart disease patients treated with simvastatin. <i>Evidence-based Cardiovascular Medicine</i> , 2001 , 5, 104-105		

24	Susceptibility of LDL to oxidative modification in healthy volunteers supplemented with low doses of n-3 polyunsaturated fatty acids. <i>British Journal of Nutrition</i> , 2001 , 85, 23-31	3.6	96
23	Olive oil, high-oleic acid sunflower oil and CHD. <i>British Journal of Nutrition</i> , 2001 , 85, 3-4	3.6	12
22	Nutrition Policy Issues and Further Research on the Mediterranean Diet. <i>Modern Nutrition</i> , 2001 , 363-373		
21	Low-fat diets, triglycerides and coronary heart disease risk. <i>Nutrition Bulletin</i> , 2000 , 25, 49-53	3.5	5
20	The effect of low-dose fish oil supplementation on serum growth factors in healthy humans. <i>European Journal of Clinical Nutrition</i> , 2000 , 54, 690-4	5.2	7
19	Effect of long-chain n-3 polyunsaturated fatty acids on fasting and postprandial triacylglycerol metabolism. <i>American Journal of Clinical Nutrition</i> , 2000 , 71, 232S-7S	7	133
18	Differences in glucose-dependent insulinotropic polypeptide hormone and hepatic lipase in subjects of southern and northern Europe: implications for postprandial lipemia. <i>American Journal of Clinical Nutrition</i> , 2000 , 71, 13-20	7	20
17	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. <i>British Journal of Nutrition</i> , 2000 , 84, 203-209	3.6	21
16	Postprandial factor VII metabolism: the effect of the R353Q and 10 bp polymorphisms. <i>British Journal of Nutrition</i> , 2000 , 83, 467-472	3.6	1
15	The impact of postprandial lipemia in accelerating atherothrombosis. <i>European Journal of Cardiovascular Prevention and Rehabilitation</i> , 2000 , 7, 317-24		88
14	Measurement of free cholesterol, cholesteryl esters and cholesteryl linoleate hydroperoxide in copper-oxidised low density lipoprotein in healthy volunteers supplemented with a low dose of n-3 polyunsaturated fatty acids. <i>Nutrition Research</i> , 2000 , 20, 1091-1102	4	3
13	Beneficial properties of olive oil. <i>Food Research International</i> , 2000 , 33, 227-231	7	28
12	Long-chain n-3 polyunsaturated fatty acids and triacylglycerol metabolism in the postprandial state. <i>Lipids</i> , 1999 , 34 Suppl, S259-65	1.6	49
11	Dietary carbohydrates and triacylglycerol metabolism. <i>Proceedings of the Nutrition Society</i> , 1999 , 58, 201-7	2.9	28
10	Unsaturated fatty acids. <i>Proceedings of the Nutrition Society</i> , 1999 , 58, 397-401	2.9	75
9	The effect of low and moderate fat intakes on the postprandial lipaemic and hormonal responses in healthy volunteers. <i>British Journal of Nutrition</i> , 1999 , 81, 25-30	3.6	8
8	Differences in postprandial lipaemic response between Northern and Southern Europeans. <i>Atherosclerosis</i> , 1998 , 139, 83-93	3.1	65
7	Effect of long-term olive oil dietary intervention on postprandial triacylglycerol and factor VII metabolism. <i>American Journal of Clinical Nutrition</i> , 1998 , 68, 552-60	7	126

6	The effect of test meal monounsaturated fatty acid: saturated fatty acid ratio on postprandial lipid metabolism. <i>British Journal of Nutrition</i> , 1998 , 79, 419-24	3.6	62
5	The effect of acute carbohydrate load on the monophasic or biphasic nature of the postprandial lipaemic response to acute fat ingestion in human subjects. <i>British Journal of Nutrition</i> , 1998 , 80, 411-418	3.6	14
4	Postprandial coagulation factor VII activity: the effect of monounsaturated fatty acids. <i>British Journal of Nutrition</i> , 1997 , 77, 537-49	3.6	48
3	Substitution of dietary monounsaturated fatty acids for saturated fatty acids in a free-living population: a feasibility study. <i>Journal of Human Nutrition and Dietetics</i> , 1996 , 9, 273-282	3.1	3
2	Postprandial triacylglycerolaemia--nutritional implications. <i>Progress in Lipid Research</i> , 1995 , 34, 249-66	14.3	38
1	Molecular Aspects of Nutrition	7-34	