

Role of omega-3 fatty acids in obesity, metabolic syndrome review of the evidence

Journal of Physiology and Biochemistry

69, 633-651

DOI: [10.1007/s13105-013-0265-4](https://doi.org/10.1007/s13105-013-0265-4)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Multiple Beneficial Lipids Including Lecithin Detected in the Edible Invasive Mollusk <i>Crepidula fornicata</i> from the French Northeastern Atlantic Coast. <i>Marine Drugs</i> , 2014, 12, 6254-6268.	2.2	4
2	The Role of FADS1/2 Polymorphisms on Cardiometabolic Markers and Fatty Acid Profiles in Young Adults Consuming Fish Oil Supplements. <i>Nutrients</i> , 2014, 6, 2290-2304.	1.7	30
3	Impact of DHA on Metabolic Diseases from Womb to Tomb. <i>Marine Drugs</i> , 2014, 12, 6190-6212.	2.2	22
4	Dietary interventions in the treatment of women with polycystic ovary syndrome. <i>Nutrition Obesity & Metabolic Surgery</i> , 2014, 1, 14-19.	0.1	0
5	Natural Health Products as Modulators of Adenosine and ATP Metabolism for Cardiovascular Protection. <i>Natural Products Chemistry & Research</i> , 2014, 2, .	0.2	0
6	How Fatty Acids and Common Genetic Variants Together Affect the Inflammation of Adipose Tissue. <i>Current Cardiovascular Risk Reports</i> , 2014, 8, 1.	0.8	1
7	The Potential for DHA to Mitigate Mild Traumatic Brain Injury. <i>Military Medicine</i> , 2014, 179, 112-116.	0.4	37
8	Genomics and Pharmacogenomics of Lipid-Lowering Therapies. , 2014, , 715-746.		0
9	Omega-3 fatty acids for vascular access outcomes in patients with chronic kidney disease. <i>The Cochrane Library</i> , 2014, , .	1.5	1
11	Polyunsaturated omega-3 fatty acids and systemic lupus erythematosus: what do we know?. <i>Revista Brasileira De Reumatologia</i> , 2014, 54, 459-466.	0.7	5
13	Metabolomics identifies changes in fatty acid and amino acid profiles in serum of overweight older adults following a weight loss intervention. <i>Journal of Physiology and Biochemistry</i> , 2014, 70, 593-602.	1.3	49
14	n-3 polyunsaturated fatty acids modulate metabolism of insulin-sensitive tissues: implication for the prevention of type 2 diabetes. <i>Journal of Physiology and Biochemistry</i> , 2014, 70, 647-658.	1.3	38
15	Maternal supplementation with n-3 long chain polyunsaturated fatty acids during perinatal period alleviates the metabolic syndrome disturbances in adult hamster pups fed a high-fat diet after weaning. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 726-733.	1.9	15
16	Polyunsaturated fatty acid biosynthesis in myxobacteria: different PUFA synthases and their product diversity. <i>Chemical Science</i> , 2014, 5, 1733.	3.7	56
17	A metabolic view on menopause and ageing. <i>Nature Communications</i> , 2014, 5, 4708.	5.8	196
18	Docosahexanoic acid antagonizes TNF- α -induced necroptosis by attenuating oxidative stress, ceramide production, lysosomal dysfunction, and autophagic features. <i>Inflammation Research</i> , 2014, 63, 859-871.	1.6	33
19	High Consumption of Farmed Salmon Does Not Disrupt the Steady State of Persistent Organic Pollutants (POP) in Human Plasma and Adipose Tissue. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2014, 77, 1229-1250.	1.1	8
20	U.S. adults are not meeting recommended levels for fish and omega-3 fatty acid intake: results of an analysis using observational data from NHANES 2003-2008. <i>Nutrition Journal</i> , 2014, 13, 31.	1.5	179

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21	Fish oil and krill oil supplementations differentially regulate lipid catabolic and synthetic pathways in mice. <i>Nutrition and Metabolism</i> , 2014, 11, 20.	1.3	56
22	A randomized, double-blind placebo-controlled study on acceptability, safety and efficacy of oral administration of sacha inchi oil (<i>Plukenetia volubilis</i> L.) in adult human subjects. <i>Food and Chemical Toxicology</i> , 2014, 65, 168-176.	1.8	35
23	Effects of Simultaneous Intake of Green Tea Extracts and Fish Oil on Cognitive Function and Plasma Lipids in the Elderly. <i>Journal of the Japanese Society for Food Science and Technology</i> , 2015, 62, 88-94.	0.1	0
26	Arachidonic acid has a dominant effect to regulate lipogenic genes in 3T3-L1 adipocytes compared to omega-3 fatty acids. <i>Food and Nutrition Research</i> , 2015, 59, 25866.	1.2	12
27	A genome-wide association study of n-3 and n-6 plasma fatty acids in a Singaporean Chinese population. <i>Genes and Nutrition</i> , 2015, 10, 53.	1.2	53
28	Fish oil and krill oil differentially modify the liver and brain lipidome when fed to mice. <i>Lipids in Health and Disease</i> , 2015, 14, 88.	1.2	24
29	Long-term dietary supplementation with saury oil attenuates metabolic abnormalities in mice fed a high-fat diet: combined beneficial effect of omega-3 fatty acids and long-chain monounsaturated fatty acids. <i>Lipids in Health and Disease</i> , 2015, 14, 155.	1.2	16
30	Functional foods as potential therapeutic options for metabolic syndrome. <i>Obesity Reviews</i> , 2015, 16, 914-941.	3.1	127
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34	Fish Consumption, Long-Chain Omega-3 Polyunsaturated Fatty Acid Intake and Risk of Metabolic Syndrome: A Meta-Analysis. <i>Nutrients</i> , 2015, 7, 2085-2100.	1.7	44
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38	Effects of short- and long-term Mediterranean-based dietary treatment on plasma LC-QTOF/MS metabolic profiling of subjects with metabolic syndrome features: The Metabolic Syndrome Reduction in Navarra (RESMENA) randomized controlled trial. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 711-728.	1.5	54
39	Effect of n-3 PUFA supplementation at different EPA:DHA ratios on the spontaneously hypertensive obese rat model of the metabolic syndrome. <i>British Journal of Nutrition</i> , 2015, 113, 878-887.	1.2	44
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41	Simulated moving bed chromatography for the separation of ethyl esters of eicosapentaenoic acid and docosahexaenoic acid under nonlinear conditions. <i>Journal of Chromatography A</i> , 2015, 1425, 189-197.	1.8	10
42	Healthy Nordic diet downregulates the expression of genes involved in inflammation in subcutaneous adipose tissue in individuals with features of the metabolic syndrome. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 228-239.	2.2	48

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43	Effects of \hat{L} -lipoic acid and eicosapentaenoic acid in overweight and obese women during weight loss. <i>Obesity</i> , 2015, 23, 313-321.	1.5	91
44	Hepatoprotective effects of glycyrrhizin and omega-3 fatty acids on Nuclear Factor-kappa B pathway in thioacetamide-induced fibrosis in rats. <i>Egyptian Journal of Basic and Applied Sciences</i> , 2015, 2, 65-74.	0.2	29
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52	A double-blind, placebo-controlled randomized trial to evaluate the efficacy of docosahexaenoic acid supplementation on hepatic fat and associated cardiovascular risk factors in overweight children with nonalcoholic fatty liver disease. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2015, 25, 734-741.	1.1	80
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62	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, 1509-1517.	2.2	54
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64	Marine omega-3 fatty acids prevent myocardial insulin resistance and metabolic remodeling as induced experimentally by high insulin exposure. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 308, C297-C307.	2.1	17
65	Molecular mechanism on functional food bioactives for anti-obesity. <i>Current Opinion in Food Science</i> , 2015, 2, 9-13.	4.1	35
66	Fatty acids in cell signaling: Historical perspective and future outlook. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2015, 92, 57-62.	1.0	23
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72	Exploitable Lipids and Fatty Acids in the Invasive Oyster <i>Crassostrea gigas</i> on the French Atlantic Coast. <i>Marine Drugs</i> , 2016, 14, 104.	2.2	14
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74	High Fat Diet Administration during Specific Periods of Pregnancy Alters Maternal Fatty Acid Profiles in the Near-Term Rat. <i>Nutrients</i> , 2016, 8, 25.	1.7	16
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80	Chronic fish oil supplementation partially reverses renal alterations in mice fed with a high-fat diet. <i>Journal of Functional Foods</i> , 2016, 26, 196-207.	1.6	5
81	Market potential of lignans and omega-3 functional cookies. <i>British Food Journal</i> , 2016, 118, 2420-2433.	1.6	17
82	Eicosapentaenoic acid promotes mitochondrial biogenesis and beige-like features in subcutaneous adipocytes from overweight subjects. <i>Journal of Nutritional Biochemistry</i> , 2016, 37, 76-82.	1.9	67
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85	Effect of prenatal DHA supplementation on the infant epigenome: results from a randomized controlled trial. <i>Clinical Epigenetics</i> , 2016, 8, 114.	1.8	74
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103	Influence of an anionic polysaccharide on the physical and oxidative stability of omega-3 nanoemulsions: Antioxidant effects of alginate. <i>Food Hydrocolloids</i> , 2016, 52, 690-698.	5.6	68
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106	A current look at nutraceuticals \hat{e} “ Key concepts and future prospects. <i>Trends in Food Science and Technology</i> , 2017, 62, 68-78.	7.8	66
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109	Improvement of cardiometabolic markers after fish oil intervention in young Mexican adults and the role of PPAR \hat{I} L162V and PPAR \hat{I} P12A. <i>Journal of Nutritional Biochemistry</i> , 2017, 43, 98-106.	1.9	14
110	Influence of omega-3 PUFAs on the metabolism of proanthocyanidins in rats. <i>Food Research International</i> , 2017, 97, 133-140.	2.9	11
111	Dietary Determinants of Fat Mass and Body Composition. , 2017, , 319-382.		1
112	NLRC5 deficiency promotes myocardial damage induced by high fat diet in mice through activating TLR4/NF- \hat{I} B. <i>Biomedicine and Pharmacotherapy</i> , 2017, 91, 755-766.	2.5	35
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114	Effects of the combination of \hat{I} %-3 PUFAs and proanthocyanidins on the gut microbiota of healthy rats. <i>Food Research International</i> , 2017, 97, 364-371.	2.9	23

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116	Influence of anionic polysaccharides on the physical and oxidative stability of hydrolyzed rice glutelin emulsions: Impact of polysaccharide type and pH. <i>Food Hydrocolloids</i> , 2017, 72, 185-194.	5.6	49
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120	Could post-weaning dietary chia seed mitigate the development of dyslipidemia, liver steatosis and altered glucose homeostasis in offspring exposed to a sucrose-rich diet from utero to adulthood?. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2017, 116, 19-26.	1.0	12
121	Cloning and functional characterization of <i>fads2</i> desaturase and <i>elovl5</i> elongase from Japanese flounder <i>Paralichthys olivaceus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 214, 36-46.	0.7	26
122	Regulation of TG accumulation and lipid droplet morphology by the novel TLDP1 in <i>Aurantiochytrium limacinum</i> F26-b. <i>Journal of Lipid Research</i> , 2017, 58, 2334-2347.	2.0	23
123	Free Fatty Acid Receptor 4 Mediates the Beneficial Effects of n-3 Fatty Acids on Body Composition in Mice. <i>Calcified Tissue International</i> , 2017, 101, 654-662.	1.5	7
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125	Inhibition of lipid oxidation in nanoemulsions and filled microgels fortified with omega-3 fatty acids using casein as a natural antioxidant. <i>Food Hydrocolloids</i> , 2017, 63, 240-248.	5.6	69
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127	Regulation of inflammation by lipid mediators in oral diseases. <i>Oral Diseases</i> , 2017, 23, 576-597.	1.5	19
128	Use and Importance of Nonhuman Primates in Metabolic Disease Research: Current State of the Field. <i>ILAR Journal</i> , 2017, 58, 251-268.	1.8	53
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130	Chemical characterization, texture and consumer acceptability of yogurts supplemented with quinoa flour. <i>Food Science and Technology</i> , 2017, 37, 627-631.	0.8	22
131	Serum phospholipid fatty acids, dietary patterns and type 2 diabetes among urban Ghanaians. <i>Nutrition Journal</i> , 2017, 16, 63.	1.5	4
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134	Effects of EPA and lipoic acid supplementation on circulating FGF21 and the fatty acid profile in overweight/obese women following a hypocaloric diet. <i>Food and Function</i> , 2018, 9, 3028-3036.	2.1	16
135	Omega-3 fatty acids and adipose tissue biology. <i>Molecular Aspects of Medicine</i> , 2018, 64, 147-160.	2.7	70
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138	Omega-3 Use in Psychiatry: Evidence-Based or Elegance-Based?. <i>Journal of Dietary Supplements</i> , 2018, 15, 124-128.	1.4	2
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140	Increasing dietary EPA and DHA influence estimated fatty acid desaturase activity in systemic organs which is reflected in the red blood cell in mice. <i>International Journal of Food Sciences and Nutrition</i> , 2018, 69, 183-191.	1.3	7
141	Maresin 1 inhibits TNF α -induced lipolysis and autophagy in 3T3L1 adipocytes. <i>Journal of Cellular Physiology</i> , 2018, 233, 2238-2246.	2.0	31
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144	Lipid contents in farmed fish are influenced by dietary DHA/EPA ratio: A study with the marine flatfish, tongue sole (<i>Cynoglossus semilaevis</i>). <i>Aquaculture</i> , 2018, 485, 183-190.	1.7	29
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146	Awareness of Omega-3 Fatty Acids and Possible Health Effects among Young Adults. <i>Canadian Journal of Dietetic Practice and Research</i> , 2018, 79, 106-112.	0.5	3
147	Changes in the liver transcriptome of farmed Atlantic salmon (<i>Salmo salar</i>) fed experimental diets based on terrestrial alternatives to fish meal and fish oil. <i>BMC Genomics</i> , 2018, 19, 796.	1.2	47
148	Omega-3 fatty acids for dialysis vascular access outcomes in patients with chronic kidney disease. <i>The Cochrane Library</i> , 2018, 2018, CD011353.	1.5	3
149	Cloning of the pks3 gene of <i>Aurantiochytrium limacinum</i> and functional study of the 3-ketoacyl-ACP reductase and dehydratase enzyme domains. <i>PLoS ONE</i> , 2018, 13, e0208853.	1.1	10
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302	Effects of the addition of microencapsulated aromatic herb extracts on fatty acid profile of different meat products. Food Science and Technology, 0, 42, .	0.8	0
303	Intakes of omega-3 fatty acids and risks of all-cause and cause-specific mortality in people with diabetes: a cohort study based on NHANES 1999â€“2014. Acta Diabetologica, 2023, 60, 353-362.	1.2	1
304	Extraction, Isolation of Bioactive Compounds and Therapeutic Potential of Rapeseed (Brassica napus) Tj ETQq1 1 0,784314 rgBT /Ove	1.7	8
305	Dietary docosahexaenoic acid reduces fat deposition and alleviates liver damage induced by D-galactosamine and lipopolysaccharides in Nile tilapia (Oreochromis niloticus). Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2023, 268, 109603.	1.3	3
306	Effects of Omega-3 Fatty Acids Supplementation on Serum Lipid Profile and Blood Pressure in Patients with Metabolic Syndrome: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. Foods, 2023, 12, 725.	1.9	8
307	The Inhibitory Effect of Fish Oil on Mesenchymal Stem Cells Differentiation to Adipocytes in Sheep. Research on Animal Production, 2021, 12, 88-95.	0.2	0
308	New alternative sources of omega-3 fish oil. Advances in Food and Nutrition Research, 2023, , 343-398.	1.5	1
320	Virulence and antimicrobial resistance genes occurring in Salmonella spp. isolated from aquatic food. Journal Fur Verbraucherschutz Und Lebensmittelsicherheit, 2024, 19, 15-32.	0.5	0