

Andrew J Sinclair

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

5,425
citations

87888

38
h-index

85541

71
g-index

112
all docs

112
docs citations

112
times ranked

6860
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary intakes and food sources of omega-6 and omega-3 polyunsaturated fatty acids. <i>Lipids</i> , 2003, 38, 391-398.	1.7	446
2	Effects of dietary fat on gut microbiota and faecal metabolites, and their relationship with cardiometabolic risk factors: a 6-month randomised controlled-feeding trial. <i>Gut</i> , 2019, 68, 1417-1429.	12.1	422
3	Arachidonic acid to eicosapentaenoic acid ratio in blood correlates positively with clinical symptoms of depression. <i>Lipids</i> , 1996, 31, S157-61.	1.7	383
4	Docosapentaenoic acid (22:5n-3): A review of its biological effects. <i>Progress in Lipid Research</i> , 2011, 50, 28-34.	11.6	271
5	What is the role of α -linolenic acid for mammals?. <i>Lipids</i> , 2002, 37, 1113-1123.	1.7	222
6	Effect of dietary α -linolenic acid on thrombotic risk factors in vegetarian men. <i>American Journal of Clinical Nutrition</i> , 1999, 69, 872-882.	4.7	181
7	Zebrafish Embryonic Lipidomic Analysis Reveals that the Yolk Cell Is Metabolically Active in Processing Lipid. <i>Cell Reports</i> , 2016, 14, 1317-1329.	6.4	178
8	How does high DHA fish oil affect health? A systematic review of evidence. <i>Critical Reviews in Food Science and Nutrition</i> , 2019, 59, 1684-1727.	10.3	165
9	Omega-3 long chain fatty acid "bioavailability": A review of evidence and methodological considerations. <i>Progress in Lipid Research</i> , 2014, 56, 92-108.	11.6	137
10	Perinatal omega-3 fatty acid deficiency affects blood pressure later in life. <i>Nature Medicine</i> , 2001, 7, 258-259.	30.7	135
11	Effects on plasma lipids and fatty acid composition of very low fat diets enriched with fish or kangaroo meat. <i>Lipids</i> , 1987, 22, 523-529.	1.7	113
12	Plasmalogens and Alzheimer's disease: a review. <i>Lipids in Health and Disease</i> , 2019, 18, 100.	3.0	99
13	The effect of docosahexaenoic acid on the electroretinogram of the guinea pig. <i>Lipids</i> , 1996, 31, 65-70.	1.7	96
14	Dietary sources, current intakes, and nutritional role of omega-3 docosapentaenoic acid. <i>Lipid Technology</i> , 2015, 27, 79-82.	0.3	96
15	Animal foods in traditional Australian aboriginal diets: Polyunsaturated and low in fat. <i>Lipids</i> , 1986, 21, 684-690.	1.7	90
16	Contribution of meat fat to dietary arachidonic acid. <i>Lipids</i> , 1998, 33, 437-440.	1.7	90
17	Short-term docosapentaenoic acid (22:5n-3) supplementation increases tissue docosapentaenoic acid, DHA and EPA concentrations in rats. <i>British Journal of Nutrition</i> , 2010, 103, 32-37.	2.3	82
18	Increased α -linolenic acid intake increases tissue α -linolenic acid content and apparent oxidation with little effect on tissue docosahexaenoic acid in the guinea pig. <i>Lipids</i> , 2000, 35, 395-400.	1.7	81

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19	Divergent shifts in lipid mediator profile following supplementation with n-3 docosapentaenoic acid and eicosapentaenoic acid. <i>FASEB Journal</i> , 2016, 30, 3714-3725.	0.5	74
20	Bread enriched with microencapsulated tuna oil increases plasma docosahexaenoic acid and total omega-3 fatty acids in humans. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2002, 11, 285-291.	0.4	65
21	A short-term n-3 DPA supplementation study in humans. <i>European Journal of Nutrition</i> , 2013, 52, 895-904.	3.9	65
22	Effect of Dietary n-3 Deficiency on the Electroretinogram in the Guinea Pig. <i>Annals of Nutrition and Metabolism</i> , 1996, 40, 91-98.	1.9	64
23	Furan fatty acids – Beneficial or harmful to health?. <i>Progress in Lipid Research</i> , 2017, 68, 119-137.	11.6	63
24	Inhibition of platelet aggregation by omega-3 polyunsaturated fatty acids is gender specific – Redefining platelet response to fish oils. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2009, 81, 35-40.	2.2	62
25	Differential effects of EPA, DPA and DHA on cardio-metabolic risk factors in high-fat diet fed mice. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2018, 136, 47-55.	2.2	59
26	Differential utilization of eicosapentaenoic acid and docosahexaenoic acid in human plasma. <i>Lipids</i> , 1993, 28, 525-531.	1.7	57
27	Pancreatic lipase selectively hydrolyses DPA over EPA and DHA due to location of double bonds in the fatty acid rather than regioselectivity. <i>Food Chemistry</i> , 2014, 160, 61-66.	8.2	55
28	Postprandial Plasma Phospholipids in Men Are Influenced by the Source of Dietary Fat. <i>Journal of Nutrition</i> , 2015, 145, 2012-2018.	2.9	54
29	Diacylglycerols from butterfat: Production by glycerolysis and short-path distillation and analysis of physical properties. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2004, 81, 979-987.	1.9	53
30	Omega 3 fatty acids and the brain: review of studies in depression. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2007, 16 Suppl 1, 391-7.	0.4	50
31	Docosapentaenoic acid (22:5n-3) down-regulates the expression of genes involved in fat synthesis in liver cells. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2011, 85, 155-161.	2.2	48
32	Short update on docosapentaenoic acid. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 88-91.	2.5	47
33	The effect of short-term diets rich in fish, red meat, or white meat on thromboxane and prostacyclin synthesis in humans. <i>Lipids</i> , 1997, 32, 635-644.	1.7	44
34	Incorporation and metabolism of punicic acid in healthy young humans. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 1336-1342.	3.3	44
35	The Sources, Synthesis and Biological Actions of Omega-3 and Omega-6 Fatty Acids in Red Meat: An Overview. <i>Foods</i> , 2021, 10, 1358.	4.3	44
36	Metabolic fate (absorption, β -oxidation and deposition) of long-chain n-3 fatty acids is affected by sex and by the oil source (krill oil or fish oil) in the rat. <i>British Journal of Nutrition</i> , 2015, 114, 684-692.	2.3	43

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37	The effect of linoleic, arachidonic and eicosapentaenoic acid supplementation on prostacyclin production in rats. <i>Lipids</i> , 1994, 29, 157-162.	1.7	42
38	Uncommon Fatty Acids and Cardiometabolic Health. <i>Nutrients</i> , 2018, 10, 1559.	4.1	42
39	Novel Pathway of Metabolism of \pm -Linolenic Acid in the Guinea Pig. <i>Pediatric Research</i> , 2000, 47, 414-417.	2.3	38
40	Effects of conjugated linolenic acid and conjugated linoleic acid on lipid metabolism in mice. <i>European Journal of Lipid Science and Technology</i> , 2009, 111, 537-545.	1.5	35
41	Dietary manipulation of long-chain polyunsaturated fatty acids in the retina and brain of guinea pigs. <i>Lipids</i> , 1995, 30, 471-473.	1.7	34
42	The alpha-linolenic Acid Content of Green Vegetables Commonly Available in Australia. <i>International Journal for Vitamin and Nutrition Research</i> , 2001, 71, 223-228.	1.5	33
43	Short-term Diets Rich in Arachidonic Acid Influence Plasma Phospholipid Polyunsaturated Fatty Acid Levels and Prostacyclin and Thromboxane Production in Humans. <i>Journal of Nutrition</i> , 1996, 126, 1110S-1114S.	2.9	30
44	\pm -Eleostearic acid is more effectively metabolized into conjugated linoleic acid than punicic acid in mice. <i>Journal of the Science of Food and Agriculture</i> , 2009, 89, 1006-1011.	3.5	30
45	Recent Advances in Omega-3: Health Benefits, Sources, Products and Bioavailability. <i>Nutrients</i> , 2014, 6, 3727-3733.	4.1	29
46	Australian and New Zealand Fish Oil Products in 2016 Meet Label Omega-3 Claims and Are Not Oxidized. <i>Nutrients</i> , 2016, 8, 703.	4.1	29
47	Arachidonic acid supplementation modulates blood and skeletal muscle lipid profile with no effect on basal inflammation in resistance exercise trained men. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2018, 128, 74-86.	2.2	29
48	Advances in n-3 polyunsaturated fatty acid nutrition. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2019, 28, 1-5.	0.4	29
49	Butter-enriched diets reduce arterial prostacyclin production in rats. <i>Lipids</i> , 1988, 23, 234-241.	1.7	28
50	Polyunsaturated fatty acids reduce non-receptor-mediated transcellular permeation of protein across a model of intestinal epithelium in vitro. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2000, 15, 626-631.	2.8	28
51	Lipoprotein(a), essential fatty acid status and lipoprotein lipids in female Australian vegetarians. <i>Clinical Science</i> , 1999, 97, 175-181.	4.3	26
52	1-14C-Linoleic acid distribution in various tissue lipids of guinea pigs following an oral dose. <i>Lipids</i> , 2001, 36, 255-260.	1.7	25
53	Postprandial metabolism of docosapentaenoic acid (DPA, 22:5n ⁻³) and eicosapentaenoic acid (EPA, 20:5n ⁻³) in humans. <i>Journal of Lipid Research</i> , 2001, 42, 1005-1011.	2.2	25
54	Orally administered [14C]DPA and [14C]DHA are metabolised differently to [14C]EPA in rats. <i>British Journal of Nutrition</i> , 2013, 109, 441-448.	2.3	25

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55	Different metabolism of EPA, DPA and DHA in humans: A double-blind cross-over study. Prostaglandins Leukotrienes and Essential Fatty Acids, 2020, 158, 102033.	2.2	24
56	Docosahexaenoic acid and the brain- what is its role?. Asia Pacific Journal of Clinical Nutrition, 2019, 28, 675-688.	0.4	22
57	Nitrate and Hydrogen Peroxide Generated in Water by Electrical Discharges Stimulate Wheat Seedling Growth. Plasma Chemistry and Plasma Processing, 2017, 37, 1393-1404.	2.4	21
58	Effects of dietary eicosapentaenoic acid and docosahexaenoic acid supplementation on metabolic syndrome: A systematic review and meta-analysis of data from 33 randomized controlled trials. Clinical Nutrition, 2021, 40, 4538-4550.	5.0	21
59	Macronutrient innovations: The role of fats and sterols in human health. Asia Pacific Journal of Clinical Nutrition, 2002, 11, S155-S162.	0.4	20
60	Argon gas plasma to decontaminate and extend shelf life of milk. Plasma Processes and Polymers, 2017, 14, 1600242.	3.0	19
61	Rapid Development of Non-Alcoholic Steatohepatitis in Psammomys obesus (Israeli Sand Rat). PLoS ONE, 2014, 9, e92656.	2.5	19
62	Effect of whole foods and dietary patterns on markers of subclinical inflammation in weight-stable overweight and obese adults: a systematic review. Nutrition Reviews, 2020, 78, 19-38.	5.8	18
63	Comparison of the bioavailability of docosapentaenoic acid (DPA, 22:5n-3) and eicosapentaenoic acid (EPA, 20:5n-3) in the rat. Prostaglandins Leukotrienes and Essential Fatty Acids, 2014, 90, 23-26.	2.2	17
64	Randomized Controlled Trial Examining the Effects of Fish Oil and Multivitamin Supplementation on the Incorporation of n-3 and n-6 Fatty Acids into Red Blood Cells. Nutrients, 2014, 6, 1956-1970.	4.1	16
65	Protective Effects of a Lipid Extract from Hard-Shelled Mussel (Mytilus coruscus) on Intestinal Integrity after Lipopolysaccharide Challenge in Mice. Nutrients, 2018, 10, 860.	4.1	16
66	Docosapentaenoic acid: the iceberg fatty acid. Current Opinion in Clinical Nutrition and Metabolic Care, 2021, 24, 134-138.	2.5	16
67	Electroretinograms of albino and pigmented guinea pigs (<i>Cavia porcellus</i>). Australian and New Zealand Journal of Ophthalmology, 1998, 26, S98-100.	0.4	15
68	Muscle p70S6K phosphorylation in response to soy and dairy rich meals in middle aged men with metabolic syndrome: a randomised crossover trial. Nutrition and Metabolism, 2014, 11, 46.	3.0	15
69	Dietary fat and neural development. Lipids, 1996, 31, 51-51.	1.7	14
70	Relationship between platelet phospholipid FA and mean platelet volume in healthy men. Lipids, 2002, 37, 901-906.	1.7	14
71	Anti-inflammatory activity and mechanisms of a lipid extract from hard-shelled mussel (Mytilus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 389-399.	3.4	14
72	Arachidonic acid supplementation transiently augments the acute inflammatory response to resistance exercise in trained men. Journal of Applied Physiology, 2018, 125, 271-286.	2.5	14

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73	Differential plasma postprandial lipidomic responses to krill oil and fish oil supplementations in women: A randomized crossover study. <i>Nutrition</i> , 2019, 65, 191-201.	2.4	14
74	Pure omega 3 polyunsaturated fatty acids (EPA, DPA or DHA) are associated with increased plasma levels of 3-carboxy-4-methyl-5-propyl-2-furanpropanoic acid (CMPF) in a short-term study in women. <i>Food and Function</i> , 2020, 11, 2058-2066.	4.6	14
75	The metabolism of native and randomized butterfat chylomicrons in the rat is similar. <i>Lipids</i> , 1999, 34, 579-582.	1.7	13
76	Fish oil and multivitamin supplementation reduces oxidative stress but not inflammation in healthy older adults: A randomised controlled trial. <i>Journal of Functional Foods</i> , 2015, 19, 949-957.	3.4	13
77	High Variability in Erythrocyte, Plasma and Whole Blood EPA and DHA Levels in Response to Supplementation. <i>Nutrients</i> , 2020, 12, 1017.	4.1	13
78	The effects of fish oil plus vitamin D3 intervention on non-alcoholic fatty liver disease: a randomized controlled trial. <i>European Journal of Nutrition</i> , 2022, 61, 1931-1942.	3.9	13
79	What Is the Most Effective Way of Increasing the Bioavailability of Dietary Long Chain Omega-3 Fatty Acids? Daily vs. Weekly Administration of Fish Oil?. <i>Nutrients</i> , 2015, 7, 5628-5645.	4.1	12
80	Platelet and aorta arachidonic and eicosapentaenoic acid levels and in vitro eicosanoid production in rats fed high-fat diets. <i>Lipids</i> , 1996, 31, 729-735.	1.7	11
81	Santalbic acid from quandong kernels and oil fed to rats affects kidney and liver P450. <i>Asia Pacific Journal of Clinical Nutrition</i> , 1999, 8, 211-215.	0.4	11
82	Effect of dietary arachidonic acid supplementation on acute muscle adaptive responses to resistance exercise in trained men: a randomized controlled trial. <i>Journal of Applied Physiology</i> , 2018, 124, 1080-1091.	2.5	11
83	Anaemia and Its Relation to Demographic, Socio-economic and Anthropometric Factors in Rural Primary School Children in Hai Phong City, Vietnam. <i>Nutrients</i> , 2019, 11, 1478.	4.1	11
84	Microencapsulated Tuna Oil Results in Higher Absorption of DHA in Toddlers. <i>Nutrients</i> , 2020, 12, 248.	4.1	11
85	Postprandial long-chain n-3 polyunsaturated fatty acid response to krill oil and fish oil consumption in healthy women: a randomised controlled, single-dose, crossover study. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2018, 27, 148-157.	0.4	11
86	Anthropometric Status among 6-9-Year-Old School Children in Rural Areas in Hai Phong City, Vietnam. <i>Nutrients</i> , 2018, 10, 1431.	4.1	10
87	Postprandial Responses to Lipid and Carbohydrate Ingestion in Repeated Subcutaneous Adipose Tissue Biopsies in Healthy Adults. <i>Nutrients</i> , 2015, 7, 5347-5361.	4.1	9
88	Effect of Low Dose Docosahexaenoic Acid-Rich Fish Oil on Plasma Lipids and Lipoproteins in Pre-Menopausal Women: A Dose-Response Randomized Placebo-Controlled Trial. <i>Nutrients</i> , 2018, 10, 1460.	4.1	9
89	Chronic Psychological Stress Was Not Ameliorated by Omega-3 Eicosapentaenoic Acid (EPA). <i>Frontiers in Pharmacology</i> , 2017, 8, 551.	3.5	8
90	3-carboxy-4-methyl-5-propyl-2-furanpropanoic acid (CMPF): A metabolite identified after consumption of fish oil and fish. <i>Nutrition Bulletin</i> , 2018, 43, 153-157.	1.8	8

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91	Electrodiagnostic methods in vision. Australasian journal of optometry, The, 1996, 79, 50-61.	1.3	6
92	Electrodiagnostic methods in vision. Australasian journal of optometry, The, 1996, 79, 97-105.	1.3	6
93	Food group categories used in dietary analysis can misrepresent the amount and type of fat present in foods. Nutrition and Dietetics, 2006, 63, 69-78.	1.8	6
94	No effect of saturated fatty acid chain length on meal-induced thermogenesis in overweight men. Nutrition Research, 2018, 51, 102-110.	2.9	6
95	Krill Oil Has Different Effects on the Plasma Lipidome Compared with Fish Oil Following 30 Days of Supplementation in Healthy Women: A Randomized Controlled and Crossover Study. Nutrients, 2020, 12, 2804.	4.1	6
96	Dietary repletion with ω 3 fatty acid or with COX inhibition reverses cognitive effects in F3 ω 3 fatty-acid-deficient mice. Comparative Medicine, 2014, 64, 106-9.	1.0	6
97	Are trans fats a problem in Australia?. Medical Journal of Australia, 2012, 196, 666-667.	1.7	5
98	Multiple micronutrient supplementation improves micronutrient status in primary school children in Hai Phong City, Vietnam: a randomised controlled trial. Scientific Reports, 2021, 11, 3728.	3.3	5
99	Dietary Alpha-Linolenic Acid Supports High Retinal DHA Levels. Nutrients, 2022, 14, 301.	4.1	4
100	Meals That Differ in Nutrient Composition and Inflammatory Potential Do Not Differentially Impact Postprandial Circulating Cytokines in Older Adults above a Healthy Weight. Nutrients, 2022, 14, 1470.	4.1	4
101	Fingertip Whole Blood as an Indicator of Omega-3 Long-Chain Polyunsaturated Fatty Acid Changes during Dose-Response Supplementation in Women: Comparison with Plasma and Erythrocyte Fatty Acids. Nutrients, 2021, 13, 1419.	4.1	3
102	Enrichment of ω 3 containing ether phospholipids in plasma after 30 days of krill oil compared with fish oil supplementation. Lipids, 2022, 57, 115-124.	1.7	3
103	Concentrated fish oil ameliorates non-alcoholic fatty liver disease by regulating fibroblast growth factor 21-adiponectin axis. Nutrition, 2022, 99-100, 111659.	2.4	3
104	Electrodiagnostic methods in vision. Australasian journal of optometry, The, 1996, 79, 131-143.	1.3	2
105	Blunted nutrient-response pathways in adipose tissue following high fat meals in men with metabolic syndrome: A randomized postprandial transcriptomic study. Clinical Nutrition, 2021, 40, 1355-1366.	5.0	2
106	Response to a Comment by Albert et al. (Nutrients 2017, 9, 137) Entitled "Concerns with the Study on Australian and New Zealand Fish Oil Products" by Nichols et al. (Nutrients 2016, 8, 703). Nutrients, 2017, 9, 583.	4.1	1
107	Effects of omega 3 polyunsaturated fatty acids on human health. Medical Journal of Australia, 1990, 153, 174-174.	1.7	1
108	Identification of novel lipid biomarkers in xmrk- and Myc-induced models of hepatocellular carcinoma in zebrafish. Cancer & Metabolism, 2022, 10, 7.	5.0	1

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109	Introduction: More Than 50 Years of Research on Polyunsaturated Fatty Acid Metabolism. , 2018, , 1-14.		0
110	Influencing health through intestinal microbiota modulation and probiotics. Asia Pacific Journal of Clinical Nutrition, 2006, 15, 556-7.	0.4	0