

Barbara J Meyer

List of Publications by Year in descending order

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109
papers

5,444
citations

117625

34
h-index

85541

71
g-index

113
all docs

113
docs citations

113
times ranked

7770
citing authors

#	ARTICLE	IF	CITATIONS
1	Associations between Omega-3 Index, Dopaminergic Genetic Variants and Aggressive and Metacognitive Traits: A Study in Adult Male Prisoners. <i>Nutrients</i> , 2022, 14, 1379.	4.1	3
2	The Feasibility of the "Omega Kid" Study Protocol: A Double-Blind, Randomised, Placebo-Controlled Trial Investigating the Effect of Omega-3 Supplementation on Self-Regulation in Preschool-Aged Children. <i>Nutrients</i> , 2021, 13, 213.	4.1	1
3	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. <i>Nutrients</i> , 2021, 13, 1419.	4.1	3
4	The effect of omega-3 long-chain polyunsaturated fatty acids on aggressive behaviour in adult male prisoners: a structured study protocol for a multi-centre, double-blind, randomised placebo-controlled trial and translation into policy and practice. <i>Trials</i> , 2021, 22, 318.	1.6	1
5	Improving data monitoring in Australian clinical trials and research: Free resources and templates. <i>Clinical Trials</i> , 2021, 18, 639-641.	1.6	1
6	Development and Validation of a Cultural-based Food Frequency Questionnaire (FFQ) against 7-day Food Diary (7d FD) to Assess Fish Intake among Elementary School Children. <i>Current Research in Nutrition and Food Science</i> , 2021, 9, 618-627.	0.8	2
7	Effect of Omega-3 Supplementation on Self-Regulation in Typically Developing Preschool-Aged Children: Results of the Omega Kid Pilot Study" A Randomised, Double-Blind, Placebo-Controlled Trial. <i>Nutrients</i> , 2021, 13, 3561.	4.1	3
8	A mothers' perspective on fish and her child's fish consumption in Surakarta, Indonesia. <i>Nutrition Research and Practice</i> , 2021, 15, 761.	1.9	1
9	Polyunsaturated fatty acid food frequency questionnaire validation in people with end stage renal disease on dialysis. <i>Nutrition and Dietetics</i> , 2020, 77, 131-138.	1.8	6
10	Supplementation with the omega-3 long chain polyunsaturated fatty acids: Changes in the concentrations of omega-3 index, fatty acids and molecular phospholipids of people at ultra high risk of developing psychosis. <i>Schizophrenia Research</i> , 2020, 226, 52-60.	2.0	8
11	Comparison of erythrocyte omega-3 index, fatty acids and molecular phospholipid species in people at ultra-high risk of developing psychosis and healthy people. <i>Schizophrenia Research</i> , 2020, 226, 44-51.	2.0	27
12	Stunting is a recognized problem: Evidence for the potential benefits of ω-3 long-chain polyunsaturated fatty acids. <i>Nutrition</i> , 2020, 73, 110564.	2.4	15
13	ISSFAL Official Statement Number 6: The importance of measuring blood omega-3 long chain polyunsaturated fatty acid levels in research. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 157, 102029.	2.2	28
14	Maternal Adipose Tissue Expansion, A Missing Link in the Prediction of Birth Weight Centile. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e814-e825.	3.6	8
15	Effect of Omega-3 Long Chain Polyunsaturated Fatty Acids (n-3 LCPUFA) Supplementation on Cognition in Children and Adolescents: A Systematic Literature Review with a Focus on n-3 LCPUFA Blood Values and Dose of DHA and EPA. <i>Nutrients</i> , 2020, 12, 3115.	4.1	25
16	The Effect of Dietary Supplementation on Aggressive Behaviour in Australian Adult Male Prisoners: A Feasibility and Pilot Study for a Randomised, Double Blind Placebo Controlled Trial. <i>Nutrients</i> , 2020, 12, 2617.	4.1	6
17	Assessment of Periprostatic and Subcutaneous Adipose Tissue Lipolysis and Adipocyte Size from Men with Localized Prostate Cancer. <i>Cancers</i> , 2020, 12, 1385.	3.7	9
18	Inflammation (IL-1 ^β) Modifies the Effect of Vitamin D and Omega-3 Long Chain Polyunsaturated Fatty Acids on Core Symptoms of Autism Spectrum Disorder" An Exploratory Pilot Study. <i>Nutrients</i> , 2020, 12, 661.	4.1	16

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19	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
20	In pregnancy, maternal HDL is specifically enriched in, and carries the highest proportion of, DHA in plasma. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020, 163, 102209.	2.2	5
21	Relationship Between Polyunsaturated Fatty Acids and Psychopathology in the NEURAPRO Clinical Trial. <i>Frontiers in Psychiatry</i> , 2019, 10, 393.	2.6	22
22	Non-dietary factors associated with <i>n-3</i> long-chain PUFA levels in humans – a systematic literature review. <i>British Journal of Nutrition</i> , 2019, 121, 793-808.	2.3	59
23	Vitamin D and Omega-3 Long Chain Polyunsaturated Fatty Acids Improve Behavioural Symptoms in Children with Autism Spectrum Disorder. <i>Proceedings (mdpi)</i> , 2019, 8, .	0.2	0
24	Multifaceted intervention to enhance cognition in older people at risk of cognitive decline: study protocol for the Protein Omega-3 and Vitamin D Exercise Research (PONDER) study. <i>BMJ Open</i> , 2019, 9, e024145.	1.9	4
25	Inflammation (IL-1 ²) Modifies the Effect of Vitamin D and Omega-3 Long Chain Polyunsaturated Fatty Acids on Core Symptoms of Autism Spectrum Disorder. <i>Proceedings (mdpi)</i> , 2019, 37, 2.	0.2	0
26	A Randomised-Controlled Trial of Vitamin D and Omega-3 Long Chain Polyunsaturated Fatty Acids in the Treatment of Core Symptoms of Autism Spectrum Disorder in Children. <i>Journal of Autism and Developmental Disorders</i> , 2019, 49, 1778-1794.	2.7	33
27	A randomised controlled trial of vitamin D and omega-3 long chain polyunsaturated fatty acids in the treatment of irritability and hyperactivity among children with autism spectrum disorder. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 187, 9-16.	2.5	54
28	A Mediterranean-style dietary intervention supplemented with fish oil improves diet quality and mental health in people with depression: A randomized controlled trial (HELFI-MED). <i>Nutritional Neuroscience</i> , 2019, 22, 474-487.	3.1	335
29	Dietary Docosahexaenoic Acid and Arachidonic Acid in Early Life: What Is the Best Evidence for Policymakers?. <i>Annals of Nutrition and Metabolism</i> , 2018, 72, 210-222.	1.9	10
30	Pre-conception maternal erythrocyte saturated to unsaturated fatty acid ratio predicts pregnancy after natural cycle frozen embryo transfer. <i>Scientific Reports</i> , 2018, 8, 1216.	3.3	5
31	A High-Throughput Method for the Analysis of Erythrocyte Fatty Acids and the Omega-3 Index. <i>Lipids</i> , 2018, 53, 1005-1015.	1.7	12
32	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
33	Effects of nutrients and processing on the nutritionally important metabolites of <i>Ulva</i> sp. (Chlorophyta). <i>Algal Research</i> , 2018, 35, 586-594.	4.6	21
34	Development and validation of a food frequency questionnaire to assess omega-3 long chain polyunsaturated fatty acid intake in Australian children aged 9–13 years. <i>Journal of Human Nutrition and Dietetics</i> , 2017, 30, 429-438.	2.5	11
35	Diet quality in patients with end-stage kidney disease undergoing dialysis. <i>Journal of Renal Care</i> , 2017, 43, 226-234.	1.2	12
36	Effects of Anacetrapib in Patients with Atherosclerotic Vascular Disease. <i>New England Journal of Medicine</i> , 2017, 377, 1217-1227.	27.0	780

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37	Chronic Psychological Stress Was Not Ameliorated by Omega-3 Eicosapentaenoic Acid (EPA). <i>Frontiers in Pharmacology</i> , 2017, 8, 551.	3.5	8
38	A Review of Recruitment, Adherence and Drop-Out Rates in Omega-3 Polyunsaturated Fatty Acid Supplementation Trials in Children and Adolescents. <i>Nutrients</i> , 2017, 9, 474.	4.1	23
39	Effects of Omega-3 Long Chain Polyunsaturated Fatty Acid Supplementation on Cardiovascular Mortality: The Importance of the Dose of DHA. <i>Nutrients</i> , 2017, 9, 1305.	4.1	36
40	Brain food for babies. <i>Biochemist</i> , 2017, 39, 26-29.	0.5	0
41	Australians are not Meeting the Recommended Intakes for Omega-3 Long Chain Polyunsaturated Fatty Acids: Results of an Analysis from the 2011–2012 National Nutrition and Physical Activity Survey. <i>Nutrients</i> , 2016, 8, 111.	4.1	60
42	A Lipidomic Analysis of Placenta in Preeclampsia: Evidence for Lipid Storage. <i>PLoS ONE</i> , 2016, 11, e0163972.	2.5	50
43	Maternal Plasma DHA Levels Increase Prior to 29 Days Post-LH Surge in Women Undergoing Frozen Embryo Transfer: A Prospective, Observational Study of Human Pregnancy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 1745-1753.	3.6	27
44	Parameters affecting the analytical profile of fatty acids in the macroalgal genus <i>Ulva</i> . <i>Food Chemistry</i> , 2016, 209, 332-340.	8.2	28
45	Vitamin D and omega-3 fatty acid supplements in children with autism spectrum disorder: a study protocol for a factorial randomised, double-blind, placebo-controlled trial. <i>Trials</i> , 2016, 17, 295.	1.6	11
46	A 6-month randomised controlled trial investigating effects of Mediterranean-style diet and fish oil supplementation on dietary behaviour change, mental and cardiometabolic health and health-related quality of life in adults with depression (HELFIMED): study protocol. <i>BMC Nutrition</i> , 2016, 2, .	1.6	5
47	People with schizophrenia and depression have a low omega-3 index. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016, 110, 42-47.	2.2	35
48	Reversal effect of simvastatin on the decrease in cannabinoid receptor 1 density in 6-hydroxydopamine lesioned rat brains. <i>Life Sciences</i> , 2016, 155, 123-132.	4.3	9
49	Fish Oil and Impulsive Aggressive Behavior. <i>Journal of Child and Adolescent Psychopharmacology</i> , 2016, 26, 766-766.	1.3	0
50	Four Models Including Fish, Seafood, Red Meat and Enriched Foods to Achieve Australian Dietary Recommendations for n-3 LCPUFA for All Life-Stages. <i>Nutrients</i> , 2015, 7, 8602-8614.	4.1	13
51	Adult Attention Deficit Disorder and Aggressive Behaviour: An Exploration of Relationships between Brown Attention-Deficit Disorder Scales and the Aggression Questionnaire. <i>Psychiatry, Psychology and Law</i> , 2015, 22, 407-416.	1.2	5
52	Selecting Australian marine macroalgae based on the fatty acid composition and anti-inflammatory activity. <i>Journal of Applied Phycology</i> , 2015, 27, 2111-2121.	2.8	27
53	Baseline Omega-3 Index Correlates with Aggressive and Attention Deficit Disorder Behaviours in Adult Prisoners. <i>PLoS ONE</i> , 2015, 10, e0120220.	2.5	43
54	A High-Dose Shiitake Mushroom Increases Hepatic Accumulation of Triacylglycerol in Rats Fed a High-Fat Diet: Underlying Mechanism. <i>Nutrients</i> , 2014, 6, 650-662.	4.1	13

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55	Effect of replacing bread, egg, milk, and yogurt with equivalent ω -3 enriched foods on ω -3 LCPUFA intake of Australian children. <i>Nutrition</i> , 2014, 30, 1337-1343.	2.4	14
56	Food patterns of Australian children ages 9 to 13 y in relation to ω -3 long chain polyunsaturated intake. <i>Nutrition</i> , 2014, 30, 169-176.	2.4	8
57	Australian children dietary intakes with a focus on dietary fats. <i>Lipid Technology</i> , 2014, 26, 253-255.	0.3	2
58	Dietary Intake and Food Sources of EPA, DPA and DHA in Australian Children. <i>Lipids</i> , 2013, 48, 869-877.	1.7	48
59	Improvement of Major Depression is Associated with Increased Erythrocyte DHA. <i>Lipids</i> , 2013, 48, 863-868.	1.7	33
60	Food groups and fatty acids associated with self-reported depression: An analysis from the Australian National Nutrition and Health Surveys. <i>Nutrition</i> , 2013, 29, 1042-1047.	2.4	37
61	Assessing long-chain ω -3 polyunsaturated fatty acids: A tailored food-frequency questionnaire is better. <i>Nutrition</i> , 2013, 29, 491-496.	2.4	13
62	A high prevalence of malnutrition in acute geriatric patients predicts adverse clinical outcomes and mortality within 12 months. <i>E-SPEN Journal</i> , 2013, 8, e120-e125.	0.5	22
63	Re: Food-frequency questionnaire for assessing long-chain ω -3 fatty-acid intake. <i>Nutrition</i> , 2013, 29, 808-809.	2.4	1
64	Nutritional modulation of cognitive function and mental health. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 725-743.	4.2	220
65	Dietary intake of fish and PUFA, and clinical depressive and anxiety disorders in women. <i>British Journal of Nutrition</i> , 2013, 109, 2059-2066.	2.3	83
66	Maternal Obesity Is Associated With the Formation of Small Dense LDL and Hypoadiponectinemia in the Third Trimester. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013, 98, 643-652.	3.6	48
67	Factors that influence consumption of fish and omega-3 enriched foods: A survey of Australian families with young children. <i>Nutrition and Dietetics</i> , 2013, 70, 286-293.	1.8	19
68	Expanding Awareness of Docosahexaenoic Acid during Pregnancy. <i>Nutrients</i> , 2013, 5, 1098-1109.	4.1	21
69	Preeclampsia Is Associated With Compromised Maternal Synthesis of Long-Chain Polyunsaturated Fatty Acids, Leading to Offspring Deficiency. <i>Hypertension</i> , 2012, 60, 1078-1085.	2.7	48
70	The New Zealand PUFA Semiquantitative Food Frequency Questionnaire Is a Valid and Reliable Tool to Assess PUFA Intakes in Healthy New Zealand Adults. <i>Journal of Nutrition</i> , 2012, 142, 1968-1974.	2.9	13
71	The Comparison of the Effect of Oat and Shiitake Mushroom Powder to Prevent Body Weight Gain in Rats Fed High Fat Diet. <i>Food and Nutrition Sciences (Print)</i> , 2012, 03, 1009-1019.	0.4	12
72	Are we consuming enough long chain omega-3 polyunsaturated fatty acids for optimal health?. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2011, 85, 275-280.	2.2	70

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73	Does aging change docosahexaenoic acid homeostasis? Implications for the challenge to cognitive health in the elderly. <i>Oleagineux Corps Gras Lipides</i> , 2011, 18, 175-180.	0.2	4
74	Dietary Shiitake Mushroom (<i>Lentinus edodes</i>) Prevents Fat Deposition and Lowers Triglyceride in Rats Fed a High-Fat Diet. <i>Journal of Obesity</i> , 2011, 2011, 1-8.	2.7	30
75	Validation of an Australian electronic food frequency questionnaire to measure polyunsaturated fatty acid intake. <i>Nutrition</i> , 2011, 27, 641-646.	2.4	67
76	Australian children are not consuming enough long-chain omega-3 polyunsaturated fatty acids for optimal health. <i>Nutrition</i> , 2011, 27, 1136-1140.	2.4	32
77	Effects of Seal Oil and Tuna Fish Oil on Platelet Parameters and Plasma Lipid Levels in Healthy Subjects. <i>Lipids</i> , 2010, 45, 669-681.	1.7	47
78	Alterations in 5-HT _{2A} receptor binding in various brain regions among 6-hydroxydopamine-induced Parkinsonian rats. <i>Synapse</i> , 2010, 64, 224-230.	1.2	39
79	Do Pregnant Women and Those at Risk of Developing Post-Natal Depression Consume Lower Amounts of Long Chain Omega-3 Polyunsaturated Fatty Acids?. <i>Nutrients</i> , 2010, 2, 198-213.	4.1	13
80	Effect of DHA Supplementation During Pregnancy on Maternal Depression and Neurodevelopment of Young Children. <i>JAMA - Journal of the American Medical Association</i> , 2010, 304, 1675.	7.4	462
81	Study of Heart and Renal Protection (SHARP): Randomized trial to assess the effects of lowering low-density lipoprotein cholesterol among 9,438 patients with chronic kidney disease. <i>American Heart Journal</i> , 2010, 160, 785-794.e10.	2.7	257
82	Comparison of Seal Oil to Tuna Oil on Plasma Lipid Levels and Blood Pressure in Hypertriglyceridaemic Subjects. <i>Lipids</i> , 2009, 44, 827-835.	1.7	30
83	Women's awareness of the importance of long-chain omega-3 polyunsaturated fatty acid consumption during pregnancy: knowledge of risks, benefits and information accessibility. <i>Public Health Nutrition</i> , 2009, 12, 562.	2.2	24
84	Dietary PUFA intakes in children with attention-deficit/hyperactivity disorder symptoms. <i>British Journal of Nutrition</i> , 2009, 102, 1635.	2.3	19
85	Dietary validation of a new Australian food-frequency questionnaire that estimates long-chain n-3 polyunsaturated fatty acids. <i>British Journal of Nutrition</i> , 2008, 99, 660-666.	2.3	39
86	Soy food consumption does not lower LDL cholesterol in either equol or nonequol producers. <i>American Journal of Clinical Nutrition</i> , 2008, 88, 298-304.	4.7	49
87	Impact of foods enriched with n-3 long-chain polyunsaturated fatty acids on erythrocyte n-3 levels and cardiovascular risk factors. <i>British Journal of Nutrition</i> , 2007, 97, 749-757.	2.3	104
88	Fish oil supplementation in the treatment of major depression: A randomised double-blind placebo-controlled trial. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2007, 31, 1393-1396.	4.8	112
89	Fish oil, insulin sensitivity, insulin secretion and glucose tolerance in healthy people: Is there any effect of fish oil supplementation in relation to the type of background diet and habitual dietary intake of n-6 and n-3 fatty acids?. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2007, 17, 572-580.	2.6	87
90	Fractionation of cholesteryl ester rich intermediate density lipoprotein subpopulations by chondroitin sulphate. <i>Atherosclerosis</i> , 2007, 195, e28-e34.	0.8	4

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91	Long-chain omega-3 fatty acids in red meat. <i>Nutrition and Dietetics</i> , 2007, 64, S135.	1.8	42
92	Longitudinal Assessment of Erythrocyte Fatty Acid Composition Throughout Pregnancy and Post Partum. <i>Lipids</i> , 2007, 42, 335-344.	1.7	51
93	Dose-Dependent Effects of Docosahexaenoic Acid Supplementation on Blood Lipids in Statin-Treated Hyperlipidaemic Subjects. <i>Lipids</i> , 2007, 42, 109-115.	1.7	39
94	Fatty acid relationships in former cannabis users with schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2006, 30, 280-285.	4.8	6
95	Biomarker validation of a long-chain omega-3 polyunsaturated fatty acid food frequency questionnaire. <i>Lipids</i> , 2006, 41, 845-850.	1.7	75
96	Dietary intake of long-chain n-3 polyunsaturated fatty acids: contribution of meat sources. <i>Nutrition</i> , 2006, 22, 47-53.	2.4	287
97	The Use of Novel Foods Enriched with Long-Chain n-3 Fatty Acids to Increase Dietary Intake: A Comparison of Methodologies Assessing Nutrient Intake. <i>Journal of the American Dietetic Association</i> , 2005, 105, 1918-1926.	1.1	21
98	Limited Lipid-Lowering Effects of Regular Consumption of Whole Soybean Foods. <i>Annals of Nutrition and Metabolism</i> , 2004, 48, 67-78.	1.9	72
99	Effects of Preexercise Carbohydrate Ingestion on Mountain Bike Performance. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, 1602-1609.	0.4	14
100	Dietary intakes and food sources of omega-6 and omega-3 polyunsaturated fatty acids. <i>Lipids</i> , 2003, 38, 391-398.	1.7	446
101	Effects of dietary saturated, monounsaturated and n-3 fatty acids on fasting lipoproteins, LDL size and post-prandial lipid metabolism in healthy subjects. <i>Atherosclerosis</i> , 2003, 167, 149-158.	0.8	168
102	Cholesterol lowering benefits of soy and linseed enriched foods. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2001, 10, 204-211.	0.4	41
103	Two subpopulations of intermediate density lipoprotein and their relationship to plasma triglyceride and cholesterol levels. <i>Atherosclerosis</i> , 2000, 153, 355-362.	0.8	6
104	Australian Food Sources and Intakes of Omega-6 and Omega-3 Polyunsaturated Fatty Acids. <i>Annals of Nutrition and Metabolism</i> , 1999, 43, 346-355.	1.9	56
105	Resting Autonomic Function in Aerobically Trained and Untrained Postmenopausal Women. <i>Journal of Aging and Physical Activity</i> , 1998, 6, 310-316.	1.0	3
106	The Metabolic Profile of Glucose Tolerant Women Who Have Had Large for Gestational Age Babies. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 1997, 37, 177-180.	1.0	5
107	Free Fatty Acids and Gestational Diabetes Mellitus. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 1996, 36, 255-257.	1.0	18
108	Application of reversed-phase high-performance liquid chromatography to the separation of apolipoproteins A-IV, A-I and E from rat high-density lipoprotein. <i>Journal of Chromatography A</i> , 1991, 540, 386-391.	3.7	7

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109	Effects of experimental hypothyroidism on the distribution of lipids and lipoproteins in the plasma of rats. <i>Lipids and Lipid Metabolism</i> , 1989, 1004, 73-79.	2.6	13