Robert A Gibson

List of Publications by Year
in descending order

290 papers	13,238 citations	20817 60 h-index	30922 102 g-index
293 all docs	293 docs citations	293 times ranked	11836 citing authors

#	Article	IF	Citations
1	Dietary polyunsaturated fatty acids and inflammatory mediator production. American Journal of Clinical Nutrition, 2000, 71, 343S-348S.	4.7	878
2	Are long-chain polyunsaturated fatty acids essential nutrients in infancy?. Lancet, The, 1995, 345, 1463-1468.	13.7	491
3	Effect of DHA Supplementation During Pregnancy on Maternal Depression and Neurodevelopment of Young Children. JAMA - Journal of the American Medical Association, 2010, 304, 1675.	7.4	462
4	Neurodevelopmental Outcomes of Preterm Infants Fed High-Dose Docosahexaenoic Acid. JAMA - Journal of the American Medical Association, 2009, 301, 175.	7.4	329
5	Infant Growth Before and After Term: Effects on Neurodevelopment in Preterm Infants. Pediatrics, 2011, 128, e899-e906.	2.1	281
6	Plasma phospholipid and dietary fatty acids as predictors of type 2 diabetes: interpreting the role of linoleic acid. American Journal of Clinical Nutrition, 2007, 86, 189-197.	4.7	251
7	Lipid Quality in Infant Nutrition. Journal of Pediatric Gastroenterology and Nutrition, 2015, 61, 8-17.	1.8	225
8	The importance of early complementary feeding in the development of oral tolerance: Concerns and controversies. Pediatric Allergy and Immunology, 2008, 19, 375-380.	2.6	220
9	A reappraisal of the impact of dairy foods and milk fat on cardiovascular disease risk. European Journal of Nutrition, 2009, 48, 191-203.	3.9	213
10	Conversion of linoleic acid and alphaâ€linolenic acid to longâ€chain polyunsaturated fatty acids (LCPUFAs), with a focus on pregnancy, lactation and the first 2 years of life. Maternal and Child Nutrition, 2011, 7, 17-26.	3.0	194
11	Effect of n-3 long chain polyunsaturated fatty acid supplementation in pregnancy on infants' allergies in first year of life: randomised controlled trial. BMJ: British Medical Journal, 2012, 344, e184-e184.	2.3	188
12	Effects of fish-oil supplementation on myocardial fatty acids in humans. American Journal of Clinical Nutrition, 2007, 85, 1222-1228.	4.7	185
13	A Critical Appraisal of the Role of Dietary Long-Chain Polyunsaturated Fatty Acids on Neural Indices of Term Infants: A Randomized, Controlled Trial. Pediatrics, 2000, 105, 32-38.	2.1	181
14	Comparison of the Compositions of the Stool Microbiotas of Infants Fed Goat Milk Formula, Cow Milk-Based Formula, or Breast Milk. Applied and Environmental Microbiology, 2013, 79, 3040-3048.	3.1	176
15	Efficacy and tolerability of low-dose iron supplements during pregnancy: a randomized controlled trial. American Journal of Clinical Nutrition, 2003, 78, 145-153.	4.7	161
16	Determination of the optimal ratio of linoleic acid to Î±-linolenic acid in infant formulas. Journal of Pediatrics, 1992, 120, S151-S158.	1.8	153
17	Omega-3 long chain fatty acid synthesis is regulated more by substrate levels than gene expression. Prostaglandins Leukotrienes and Essential Fatty Acids, 2010, 83, 61-68.	2.2	145
18	Docosahexaenoic acid synthesis from alpha-linolenic acid is inhibited by diets high in polyunsaturated fatty acids. Prostaglandins Leukotrienes and Essential Fatty Acids, 2013, 88, 139-146.	2.2	143

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19	Cytokines (IL-1Î², IL-6, TNF-Î±, TGF-Î²1, and TGF-Î²2) and Prostaglandin E2 in Human Milk during the First Three Months Postpartum. Pediatric Research, 1999, 46, 194-199.	2.3	141
20	Elongase Reactions as Control Points in Long-Chain Polyunsaturated Fatty Acid Synthesis. PLoS ONE, 2011, 6, e29662.	2.5	140
21	Docosahexaenoic Acid and Bronchopulmonary Dysplasia in Preterm Infants. New England Journal of Medicine, 2017, 376, 1245-1255.	27.0	135
22	Plasma phospholipid fatty acid composition as a biomarker of habitual dietary fat intake in an ethnically diverse cohort. Nutrition, Metabolism and Cardiovascular Diseases, 2007, 17, 415-426.	2.6	133
23	Long-chain polyunsaturated fatty acid requirements during pregnancy and lactation. American Journal of Clinical Nutrition, 2000, 71, 307S-311S.	4.7	120
24	A randomized trial of different ratios of linoleic to Î±-linolenic acid in the diet of term infants: effects on visual function and growth. American Journal of Clinical Nutrition, 2000, 71, 120-129.	4.7	118
25	High-Dose Docosahexaenoic Acid Supplementation of Preterm Infants: Respiratory and Allergy Outcomes. Pediatrics, 2011, 128, e71-e77.	2.1	116
26	Higher dose of docosahexaenoic acid in the neonatal period improves visual acuity of preterm infants: results of a randomized controlled trial. American Journal of Clinical Nutrition, 2008, 88, 1049-1056.	4.7	112
27	Effect of iodine supplementation in pregnancy on child development and other clinical outcomes: a systematic review of randomized controlled trials. American Journal of Clinical Nutrition, 2013, 98, 1241-1254.	4.7	110
28	Fish-oil supplementation in pregnancy does not reduce the risk of gestational diabetes or preeclampsia. American Journal of Clinical Nutrition, 2012, 95, 1378-1384.	4.7	106
29	Changes in the polyunsaturated fatty acids of breast milk from mothers of full-term infants over 30 wk of lactation. American Journal of Clinical Nutrition, 1995, 61, 1231-1233.	4.7	103
30	Effect of long-chain polyunsaturated fatty acid supplementation of preterm infants on disease risk and neurodevelopment: a systematic review of randomized controlled trials. American Journal of Clinical Nutrition, 2008, 87, 912-920.	4.7	103
31	Optimizing DHA levels in piglets by lowering the linoleic acid to Î±-linolenic acid ratio. Journal of Lipid Research, 2002, 43, 1537-1543.	4.2	101
32	Effect of iron supplementation during pregnancy on the intelligence quotient and behavior of children at 4 y of age: long-term follow-up of a randomized controlled trial. American Journal of Clinical Nutrition, 2006, 83, 1112-1117.	4.7	96
33	Effect of Dietary Fish Oil on Atrial Fibrillation After Cardiac Surgery. American Journal of Cardiology, 2011, 108, 851-856.	1.6	94
34	Supplementation of infant formula with long-chain polyunsaturated fatty acids does not influence the growth of term infants. American Journal of Clinical Nutrition, 2005, 81, 1094-1101.	4.7	90
35	A method for long term stabilisation of long chain polyunsaturated fatty acids in dried blood spots and its clinical application. Prostaglandins Leukotrienes and Essential Fatty Acids, 2014, 91, 251-260.	2.2	90
36	Australian fishâ€"An excellent source of both arachidonic acid and Ï‰-3 polyunsaturated fatty acids. Lipids, 1983, 18, 743-752.	1.7	88

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37	Neurodevelopmental outcomes at 7 years' corrected age in preterm infants who were fed high-dose docosahexaenoic acid to term equivalent: a follow-up of a randomised controlled trial. BMJ Open, 2015, 5, e007314-e007314.	1.9	84
38	Effect of feeding hemp seed and hemp seed oil on laying hen performance and egg yolk fatty acid content: Evidence of their safety and efficacy for laying hen diets. Poultry Science, 2012, 91, 701-711.	3.4	83
39	Cloning and functional characterisation of a fatty acyl elongase from southern bluefin tuna (Thunnus maccoyii). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2010, 155, 178-185.	1.6	82
40	Nutritional effect of including egg yolk in the weaning diet of breast-fed and formula-fed infants: a randomized controlled trial. American Journal of Clinical Nutrition, 2002, 75, 1084-1092.	4.7	79
41	Competition between 24:5n-3 and ALA for Î”6 desaturase may limit the accumulation of DHA in HepG2 cell membranes. Journal of Lipid Research, 2007, 48, 1592-1598.	4.2	79
42	Biosynthesis and Metabolism of Indol-3yl-acetic Acid. Journal of Experimental Botany, 1972, 23, 152-170.	4.8	78
43	Homeostatic control of membrane fatty acid composition in the rat after dietary lipid treatment. Lipids, 1984, 19, 942-951.	1.7	78
44	Biosynthesis and Metabolism of Indol-3yl-acetic acid. Journal of Experimental Botany, 1972, 23, 381-399.	4.8	76
45	Randomized controlled trial of fish oil supplementation in pregnancy on childhood allergies. Allergy: European Journal of Allergy and Clinical Immunology, 2013, 68, 1370-1376.	5.7	75
46	Effect of prenatal DHA supplementation on the infant epigenome: results from a randomized controlled trial. Clinical Epigenetics, 2016, 8, 114.	4.1	74
47	Impact of fatty acid status on growth and neurobehavioural development in humans. Maternal and Child Nutrition, 2011, 7, 80-88.	3.0	72
48	Dietary Long-Chain Polyunsaturated Fatty Acids Do Not Influence Growth of Term Infants: A Randomized Clinical Trial. Pediatrics, 1999, 104, 468-475.	2.1	70
49	Effect of increasing protein content of human milk fortifier on growth in preterm infants born at <31 wk gestation: a randomized controlled trial. American Journal of Clinical Nutrition, 2012, 95, 648-655.	4.7	69
50	Randomized trials with polyunsaturated fatty acid interventions in preterm and term infants: Functional and clinical outcomes. Lipids, 2001, 36, 873-883.	1.7	68
51	Effect of dietary nucleotide supplementation on growth and immune function in term infants: a randomized controlled trial. European Journal of Clinical Nutrition, 2006, 60, 254-264.	2.9	67
52	Nutritional adequacy of goat milk infant formulas for term infants: a double-blind randomised controlled trial. British Journal of Nutrition, 2014, 111, 1641-1651.	2.3	67
53	The Effect of Breast Feeding on Lymphocyte Subpopulations in Healthy Term Infants at 6 Months of Age. Pediatric Research, 1999, 45, 648-651.	2.3	67
54	Very long chain fatty acids in X-linked adrenoleukodystrophy brain after treatment with Lorenzo's oil. Annals of Neurology, 1994, 36, 741-746.	5.3	66

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55	Erythrocyte fatty acids of term infants fed either breast milk, standard formula, or formula supplemented with long-chain polyunsaturates. Lipids, 1995, 30, 941-948.	1.7	65
56	Should we lower the dose of iron when treating anaemia in pregnancy? A randomized doseâ€“response trial. European Journal of Clinical Nutrition, 2009, 63, 183-190.	2.9	64
57	Effect of long-chain polyunsaturated fatty acid supplementation during pregnancy or lactation on infant and child body composition: a systematic review. American Journal of Clinical Nutrition, 2010, 92, 857-863.	4.7	64
58	The effect of modifying dietary LA and ALA intakes on omega-3 long chain polyunsaturated fatty acid (n-3 LCPUFA) status in human adults: A systematic review and commentary. Prostaglandins Leukotrienes and Essential Fatty Acids, 2015, 95, 47-55.	2.2	64
59	Home environment, not duration of breast-feeding, predicts intelligence quotient of children at four years. Nutrition, 2007, 23, 236-241.	2.4	62
60	Dietary alpha-linolenic acid enhances omega-3 long chain polyunsaturated fatty acid levels in chicken tissues. Prostaglandins Leukotrienes and Essential Fatty Acids, 2012, 87, 103-109.	2.2	61
61	Effect of dietary docosahexaenoic acid on brain composition and neural function in term infants. Lipids, 1996, 31, S177-S181.	1.7	60
62	Feeding preterm infants milk with a higher dose of docosahexaenoic acid than that used in current practice does not influence language or behavior in early childhood: a follow-up study of a randomized controlled trial. American Journal of Clinical Nutrition, 2010, 91, 628-634.	4.7	60
63	Fatty Acid Profile and Sensory Characteristics of Table Eggs from Laying Hens Fed Hempseed and Hempseed Oil. Journal of Food Science, 2012, 77, S153-60.	3.1	60
64	Four-Year Follow-up of Children Born to Women in a Randomized Trial of Prenatal DHA Supplementation. JAMA - Journal of the American Medical Association, 2014, 311, 1802.	7.4	60
65	A Randomized Trial of Prenatal nâˆ’3 Fatty Acid Supplementation and Preterm Delivery. New England Journal of Medicine, 2019, 381, 1035-1045.	27.0	60
66	Differential modulation of rat heart mitochondrial membrane-associated enzymes by dietary lipid. Biochimica Et Biophysica Acta - General Subjects, 1983, 760, 13-24.	2.4	59
67	Functional Characterization of the Chicken Fatty Acid Elongases. Journal of Nutrition, 2013, 143, 12-16.	2.9	59
68	The effect of dairy foods on CHD: a systematic review of prospective cohort studies. British Journal of Nutrition, 2009, 102, 1267-1275.	2.3	58
69	The role of long chain polyunsaturated fatty acids (LCPUFA) in neonatal nutrition. Acta Paediatrica, International Journal of Paediatrics, 1998, 87, 1017-1022.	1.5	57
70	Biosynthesis and Metabolism of Indol-3yl-acetic Acid. Journal of Experimental Botany, 1972, 23, 775-786.	4.8	56
71	Is dietary docosahexaenoic acid essential for term infants?. Lipids, 1996, 31, 115-119.	1.7	55
72	Relationships Between Pulmonary Function and Plasma Fatty Acid Levels in Cystic Fibrosis Patients. Journal of Pediatric Gastroenterology and Nutrition, 1986, 5, 408-415.	1.8	54

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73	Immunomodulatory constituents of human milk change in response to infant bronchiolitis. Pediatric Allergy and Immunology, 2007, 18, 495-502.	2.6	54
74	Sudden infant death syndrome: Effect of breast and formula feeding on frontal cortex and brainstem lipid composition. Journal of Paediatrics and Child Health, 1995, 31, 14-16.	0.8	53
75	The effect of maternal omega-3 long-chain polyunsaturated fatty acid (n-3 LCPUFA) supplementation during pregnancy and/or lactation on body fat mass in the offspring: A systematic review of animal studies. Prostaglandins Leukotrienes and Essential Fatty Acids, 2011, 85, 83-88.	2.2	53
76	Association of TMPRSS6 polymorphisms with ferritin, hemoglobin, and type 2 diabetes risk in a Chinese Han population. American Journal of Clinical Nutrition, 2012, 95, 626-632.	4.7	53
77	Opposing Effects of Omega-3 and Omega-6 Long Chain Polyunsaturated Fatty Acids on the Expression of Lipogenic Genes in Omental and Retroperitoneal Adipose Depots in the Rat. Journal of Nutrition and Metabolism, 2010, 2010, 1-9.	1.8	51
78	Perspective: Improving Nutritional Guidelines for Sustainable Health Policies: Current Status and Perspectives. Advances in Nutrition, 2017, 8, 532-545.	6.4	51
79	Relation between blood and atrial fatty acids in patients undergoing cardiac bypass surgery. American Journal of Clinical Nutrition, 2010, 91, 528-534.	4.7	49
80	Circulating Fatty Acids and Prostate Cancer Risk: Individual Participant Meta-Analysis of Prospective Studies. Journal of the National Cancer Institute, 2014, 106, .	6.3	49
81	Effect of two doses of docosahexaenoic acid (DHA) in the diet of preterm infants on infant fatty acid status: Results from the DINO trial. Prostaglandins Leukotrienes and Essential Fatty Acids, 2008, 79, 141-146.	2.2	48
82	Effects of Moderate-Dose Omega-3 Fish Oil on Cardiovascular Risk Factors and Mood After Ischemic Stroke. Stroke, 2009, 40, 3485-3492.	2.0	48
83	Role of Long-Chain Polyunsaturated Fatty Acids in Neurodevelopment and Growth. Nestle Nutrition Workshop Series Paediatric Programme, 2010, 65, 123-136.	1.5	47
84	Maternal supplementation with docosahexaenoic acid during pregnancy does not affect early visual development in the infant: a randomized controlled trial. American Journal of Clinical Nutrition, 2011, 93, 1293-1299.	4.7	46
85	Dietary lipid modulation of rat liver mitochondrial succinate:cytochrome c reductase. Biochimica Et Biophysica Acta - Biomembranes, 1983, 727, 163-169.	2.6	45
86	nâ^'3 Polyunsaturated fatty acid requirements of term infants. American Journal of Clinical Nutrition, 2000, 71, 251S-255S.	4.7	45
87	The effect of Î±-linolenic acid and linoleic acid on the growth and development of formula-fed infants: A systematic review and meta-analysis of randomized controlled trials. Lipids, 2005, 40, 1-11.	1.7	45
88	Interleukin-12 in Human Milk. Pediatric Research, 1999, 45, 858-859.	2.3	45
89	Essential fatty acid deficiency in parenterally fed preterm infants. Journal of Paediatrics and Child Health, 1993, 29, 51-55.	0.8	44
90	Randomised clinical trial of parenteral selenium supplementation in preterm infants.. Archives of Disease in Childhood: Fetal and Neonatal Edition, 1996, 74, F158-F164.	2.8	44

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91	Correlations between blood and tissue omega-3 LCPUFA status following dietary ALA intervention in rats. Prostaglandins Leukotrienes and Essential Fatty Acids, 2013, 88, 53-60.	2.2	43
92	Plasma phospholipid fatty acids, dietary fatty acids and prostate cancer risk. International Journal of Cancer, 2013, 133, 1882-1891.	5.1	43
93	Association of cord blood vitamin D with early childhood growth and neurodevelopment. Journal of Paediatrics and Child Health, 2017, 53, 75-83.	0.8	43
94	Effect of Sampling on Fatty Acid Composition of Human Colostrum. Journal of Nutrition, 1980, 110, 1671-1675.	2.9	42
95	Interaction between Fish and Vegetable Oils in Relation to Rat Leucocyte Leukotriene Production. Journal of Nutrition, 1991, 121, 631-637.	2.9	42
96	Cytokine production by human milk cells and peripheral blood mononuclear cells from the same mothers. Journal of Clinical Immunology, 2002, 22, 338-344.	3.8	42
97	Differentiation ofBifidobacterium longumsubspecieslongumandinfantisby quantitative PCR using functional gene targets. PeerJ, 2017, 5, e3375.	2.0	42
98	Polyunsaturated fatty acids and infant visual development: A critical appraisal of randomized clinical trials. Lipids, 1999, 34, 179-184.	1.7	40
99	Safety of supplementing infant formula with long-chain polyunsaturated fatty acids and Bifidobacterium lactis in term infants: a randomised controlled trial. British Journal of Nutrition, 2009, 101, 1706-1713.	2.3	40
100	A low omega-6 polyunsaturated fatty acid (n-6 PUFA) diet increases omega-3 (n-3) long chain PUFA status in plasma phospholipids in humans. Prostaglandins Leukotrienes and Essential Fatty Acids, 2014, 90, 133-138.	2.2	39
101	Validation of an optimized method for the determination of iodine in human breast milk by inductively coupled plasma mass spectrometry (ICPMS) after tetramethylammonium hydroxide extraction. Journal of Trace Elements in Medicine and Biology, 2015, 29, 75-82.	3.0	39
102	DHA supplementation during pregnancy does not reduce BMI or body fat mass in children: follow-up of the DHA to Optimize Mother Infant Outcome randomized controlled trial. American Journal of Clinical Nutrition, 2016, 103, 1489-1496.	4.7	39
103	Ratios of linoleic acid to Î±-linolenic acid in formulas for term infants. Journal of Pediatrics, 1994, 125, S48-S55.	1.8	38
104	Iron status and dietary iron intake of 6â€“24â€•monthâ€•old children in Adelaide. Journal of Paediatrics and Child Health, 1998, 34, 250-253.	0.8	37
105	A randomized trial of supplementation with docosahexaenoic acidâ€“rich tuna oil and its effects on the human milk cytokines interleukin 1Î², interleukin 6, and tumor necrosis factor Î±. American Journal of Clinical Nutrition, 2002, 75, 754-760.	4.7	37
106	Interleukin-2 in human milk: A potential modulator of lymphocyte development in the breastfed infant. Cytokine, 2006, 33, 289-293.	3.2	37
107	Pre- and post-term growth in pre-term infants supplemented with higher-dose DHA: a randomised controlled trial. British Journal of Nutrition, 2011, 105, 1635-1643.	2.3	37
108	Nutrient intakes and status of preschool children in Adelaide, South Australia. Medical Journal of Australia, 2012, 196, 696-700.	1.7	37

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109	Prediction of body water compartments in preterm infants by bioelectrical impedance spectroscopy. European Journal of Clinical Nutrition, 2013, 67, S47-S53.	2.9	37
110	n-3 fatty acid deficiency alters recovery of the rod photoresponse in rhesus monkeys. Investigative Ophthalmology and Visual Science, 2002, 43, 2806-14.	3.3	37
111	ARE ESKIMOS OBLIGATE CARNIVORES?. Lancet, The, 1981, 317, 1100.	13.7	36
112	Dietary and ontogenic regulation of fatty acid desaturase and elongase expression in broiler chickens. Prostaglandins Leukotrienes and Essential Fatty Acids, 2013, 89, 107-113.	2.2	35
113	Secretion of cholesteryl ester-enriched very low density lipoproteins by the liver of cholesterol-fed rabbits. Atherosclerosis, 1985, 54, 145-155.	0.8	34
114	A dose response randomised controlled trial of docosahexaenoic acid (DHA) in preterm infants. Prostaglandins Leukotrienes and Essential Fatty Acids, 2015, 99, 1-6.	2.2	34
115	Schizophrenia, tardive dyskinesia and essential fatty acids. Schizophrenia Research, 1996, 20, 287-294.	2.0	33
116	Selenium status of preterm infants: the effect of postnatal age and method of feeding. Acta Paediatrica, International Journal of Paediatrics, 1997, 86, 281-288.	1.5	33
117	Maternal Omega-3 Supplementation Increases Fat Mass in Male and Female Rat Offspring. Frontiers in Genetics, 2011, 2, 48.	2.3	33
118	Changes to breast milk fatty acid composition during storage, handling and processing: A systematic review. Prostaglandins Leukotrienes and Essential Fatty Acids, 2019, 146, 1-10.	2.2	33
119	The effect of dietary lipids on the thermotropic behaviour of rat liver and heart mitochondrial membrane lipids. Biochimica Et Biophysica Acta - Biomembranes, 1983, 734, 114-124.	2.6	32
120	Effect of dietary oils on the production of nâˆ’3 and nâˆ’6 metabolites of leukocyte 5-lipoxygenase in five rat strains. Lipids and Lipid Metabolism, 1990, 1043, 253-258.	2.6	32
121	Long-Chain Polyunsaturated Fatty Acids in Breast Milk. Advances in Experimental Medicine and Biology, 2001, 501, 375-383.	1.6	31
122	Incorporation and effects of dietary eicosapentaenoate (20 : 5(n âˆ’ 3)) on plasma and erythrocyte lipids of the marmoset following dietary supplementation with differing levels of linoleic acid. Lipids and Lipid Metabolism, 1990, 1045, 164-173.	2.6	29
123	VARIATIONS IN TRANSFORMING GROWTH FACTOR BETA IN HUMAN MILK ARE NOT RELATED TO LEVELS IN PLASMA. Cytokine, 2002, 17, 182-186.	3.2	29
124	Estimation of the Volume of Blood in a Small Disc Punched From a Dried Blood Spot Card. European Journal of Lipid Science and Technology, 2018, 120, 1700362.	1.5	29
125	Potential Link Between Dietary Intake of Fatty Acids and Behavior: Pilot Exploration of Serum Lipids in Attention-Deficit Hyperactivity Disorder. Journal of Child and Adolescent Psychopharmacology, 1994, 4, 171-182.	1.3	28
126	Circulating fatty acids and risk of gestational diabetes mellitus: prospective analyses in China. European Journal of Endocrinology, 2021, 185, 87-97.	3.7	28

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127	Mitochondrial membrane fatty acid composition in the marmoset monkey following dietary lipid supplementation. Lipids, 1986, 21, 315-323.	1.7	27
128	Transcutaneous application of oil and prevention of essential fatty acid deficiency in preterm infants.. Archives of Disease in Childhood, 1993, 68, 27-28.	1.9	27
129	Perinatal Maternal Dietary Supplementation of Ï‰3-Fatty Acids Transiently Affects Bone Marrow Microenvironment, Osteoblast and Osteoclast Formation, and Bone Mass in Male Offspring. Endocrinology, 2012, 153, 2455-2465.	2.8	27
130	A validated method for analyzing polyunsaturated free fatty acids from dried blood spots using LCâ€“MS/MS. Prostaglandins Leukotrienes and Essential Fatty Acids, 2017, 125, 1-7.	2.2	27
131	Effects of diets enriched in linoleic acid and its peroxidation products on brain fatty acids, oxylipins, and aldehydes in mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 1206-1213.	2.4	27
132	A randomized controlled clinical trial of increased dietary iron in breast-fed infants. Journal of Pediatrics, 1998, 133, 559-562.	1.8	26
133	Duration of breast-feeding and Bayley's Mental Developmental Index at 1 year of age. Journal of Paediatrics and Child Health, 1999, 35, 82-85.	0.8	26
134	Human milk intake in preterm infants and neurodevelopment at 18 months corrected age. Pediatric Research, 2016, 80, 486-492.	2.3	26
135	Paradoxical effect of nâˆ’3â€containing vegetable oils on longâ€chain nâˆ’3 fatty acids in rat heart. Lipids, 2005, 40, 995-998.	1.7	25
136	The N3RO trial: a randomised controlled trial of docosahexaenoic acid to reduce bronchopulmonary dysplasia in preterm infants <â€‰29Âweeksâ€™ gestation. BMC Pediatrics, 2016, 16, 72.	1.7	25
137	Omega-3 fatty acids ameliorate vascular inflammation: A rationale for their atheroprotective effects. Atherosclerosis, 2021, 324, 27-37.	0.8	25
138	Visual acuity and retinal function in infant monkeys fed long-chain PUFA. Lipids, 2002, 37, 839-848.	1.7	24
139	Dietary omega-3 polyunsaturated fatty acid does not influence the intestinal microbial communities of broiler chickens. Poultry Science, 2009, 88, 2399-2405.	3.4	24
140	Development of a Fish Cell Culture Model to Investigate the Impact of Fish Oil Replacement on Lipid Peroxidation. Lipids, 2011, 46, 753-764.	1.7	24
141	Heterogeneity in cord blood DHA concentration: Towards an explanation. Prostaglandins Leukotrienes and Essential Fatty Acids, 2014, 91, 135-140.	2.2	24
142	A reduced cost strategy for enriching chicken meat with omega-3 long chain polyunsaturated fatty acids using dietary flaxseed oil. British Poultry Science, 2017, 58, 283-289.	1.7	24
143	Inhibition of human neutrophil leukotriene B4 synthesis in essential fatty acid deficiency: Role of leukotriene a hydrolase. Lipids, 1994, 29, 151-155.	1.7	23
144	Human milk fatty acids from lactating mothers of preterm infants: A study revealing wide intra- and inter-individual variation. Prostaglandins Leukotrienes and Essential Fatty Acids, 2010, 83, 9-13.	2.2	23

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145	Changes in the Composition of the Gut Microbiota and the Blood Transcriptome in Preterm Infants at Less than 29 Weeks Gestation Diagnosed with Bronchopulmonary Dysplasia. MSystems, 2019, 4, .	3.8	23
146	Gamma linolenic acid (GLA) content of encapsulated evening primrose oil products. Lipids, 1992, 27, 82-84.	1.7	22
147	Differences in fatty acid composition of immature and mature articular cartilage in humans and sheep. Lipids, 1995, 30, 949-953.	1.7	22
148	Dietary (n-9) Eicosatrienoic Acid from a Cultured Fungus Inhibits Leukotriene B4 Synthesis in Rats and the Effect Is Modified by Dietary Linoleic Acid. Journal of Nutrition, 1996, 126, 1534-1540.	2.9	22
149	Long-chain polyunsaturated fatty acids and infant development. Lancet, The, 1999, 354, 1919-1920.	13.7	22
150	Iodine status of postpartum women and their infants in Australia after the introduction of mandatory iodine fortification. British Journal of Nutrition, 2017, 117, 1656-1662.	2.3	22
151	Association of cord blood vitamin D at delivery with postpartum depression in Australian women. Australian and New Zealand Journal of Obstetrics and Gynaecology, 2015, 55, 446-452.	1.0	21
152	A lack of correlation between linoleate and arachidonate in human breast milk. Lipids, 1984, 19, 469-471.	1.7	20
153	Effect of n-3 and n-6 dietary fats on the lipoxygenase products from stimulated rat neutrophils. Prostaglandins Leukotrienes and Essential Fatty Acids, 1992, 46, 87-91.	2.2	20
154	Î”6 Desaturase mRNA Abundance in HepG2 Cells Is Suppressed by Unsaturated Fatty Acids. Lipids, 2008, 43, 91-95.	1.7	20
155	Study protocol for a randomised controlled trial evaluating the effect of prenatal omega-3 LCPUFA supplementation to reduce the incidence of preterm birth: the ORIP trial. BMJ Open, 2017, 7, e018360.	1.9	20
156	Comparison of Human Milk Fatty Acid Composition of Women From Cambodia and Australia. Journal of Human Lactation, 2018, 34, 585-591.	1.6	20
157	Characterization of Fatty Acid Clearance in Premature Neonates during Intralipid Infusion. Pediatric Research, 1998, 43, 245-249.	2.3	20
158	Indicators of selenium status in Australian infants. Journal of Paediatrics and Child Health, 2000, 36, 370-374.	0.8	19
159	Perinatal characteristics may influence the outcome of visual acuity. Lipids, 2001, 36, 897-900.	1.7	19
160	A biomarker of nâˆ’3 compliance in patients taking fish oil for rheumatoid arthritis. Lipids, 2003, 38, 419-424.	1.7	19
161	Routine Iron Supplementation in Pregnancy Has No Effect on Iron Status of Children at Six Months and Four Years of Age. Journal of Pediatrics, 2007, 151, 438-440.	1.8	19
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