Michael I Mcburney

List of Publications by Year
in descending order

89	4,205	125106 35	129628 63
papers	citations	h-index	g-index

91	91	91	4216
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Omega-3 index is directly associated with a healthy red blood cell distribution width. Prostaglandins Leukotrienes and Essential Fatty Acids, 2022, 176, 102376.	1.0	7
2	The omega-3 index is inversely associated with the neutrophil-lymphocyte ratio in adultsâ€™. Prostaglandins Leukotrienes and Essential Fatty Acids, 2022, 177, 102397.	1.0	5
3	Beyond Nutrient Deficiencyâ€"Opportunities to Improve Nutritional Status and Promote Health Modernizing DRIs and Supplementation Recommendations. Nutrients, 2021, 13, 1844.	1.7	6
4	Using an erythrocyte fatty acid fingerprint to predict risk of all-cause mortality: the Framingham Offspring Cohort. American Journal of Clinical Nutrition, 2021, 114, 1447-1454.	2.2	18
5	Measuring health promotion: translating science into policy. European Journal of Nutrition, 2020, 59, 11-23.	1.8	8
6	Modeling Possible Outcomes of Updated Daily Values on Nutrient Intakes of the United States Adult Population. Nutrients, 2020, 12, 210.	1.7	3
7	Establishing What Constitutes a Healthy Human Gut Microbiome: State of the Science, Regulatory Considerations, and Future Directions. Journal of Nutrition, 2019, 149, 1882-1895.	1.3	163
8	US Family Physicians Overestimate Personal Ï‰-3 Fatty Acid Biomarker Status: Associations with Fatty Fish and Ï‰-3 Supplement Intake. Current Developments in Nutrition, 2018, 2, nzx007.	0.1	5
9	Implications of US Nutrition Facts Label Changes on Micronutrient Density of Fortified Foods and Supplements. Journal of Nutrition, 2017, 147, 1025-1030.	1.3	6
10	Risk of Deficiency in Multiple Concurrent Micronutrients in Children and Adults in the United States. Nutrients, 2017, 9, 655.	1.7	92
11	Impact of Biological Feedback and Incentives on Blood Fatty Acid Concentrations, Including Omega-3 Index, in an Employer-Based Wellness Program. Nutrients, 2017, 9, 842.	1.7	2
12	Suboptimal Plasma Long Chain n-3 Concentrations are Common among Adults in the United States, NHANES 2003â€"2004. Nutrients, 2015, 7, 10282-10289.	1.7	25
13	Nutritional status as assessed by nutrient intakes and biomarkers among women of childbearing age â€" is the burden of nutrient inadequacies growing in America?. Public Health Nutrition, 2015, 18, 1658-1669.	1.1	20
14	Suboptimal Serum Î±-Tocopherol Concentrations Observed among Younger Adults and Those Depending Exclusively upon Food Sources, NHANES 2003-20061-3. PLoS ONE, 2015, 10, e0135510.	1.1	27
15	Ï‰-3 Fatty Acid Supplementation as a Potential Therapeutic Aid for the Recovery from Mild Traumatic Brain Injury/Concussion. Advances in Nutrition, 2014, 5, 268-277.	2.9	66
16	Multiple Nutrient Intake Recommendations Guide Dietary Supplement Formulations. JAMA Pediatrics, 2014, 168, 863.	3.3	0
17	Multivitamin/Mineral Supplement Contribution to Micronutrient Intakes in the United States, 2007â€"2010. Journal of the American College of Nutrition, 2014, 33, 94-102.	1.1	95
18	An Industry Perspective: Dietary Supplements and Mortality Rates in Older Women. Journal of Dietary Supplements, 2013, 10, 85-92.	1.4	0

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19	Dietary surveys indicate vitamin intakes below recommendations are common in representative Western countries. British Journal of Nutrition, 2012, 108, 692-698.	1.2	139
20	Majority of Americans not Consuming Vitamin E RDA. Journal of Nutrition, 2011, 141, 1920.	1.3	4
21	Changing Dynamics in Science and Communications. Nutrition Today, 2011, 46, 281-285.	0.6	0
22	Drink Fluids to Maintain Hydration and Eat to Obtain Calories. Nutrition Today, 2009, 44, 14-16.	0.6	0
23	Dietary Lipids Alter the Effect of Steroids on the Transport of Fructose Following Intestinal Resection in Rats. Digestive Diseases and Sciences, 2008, 53, 2126-2139.	1.1	1
24	Ready-to-eat cereal products as meal replacements for weight loss. International Journal of Food Sciences and Nutrition, 2007, 58, 331-340.	1.3	21
25	Moderate-carbohydrate low-fat versus low-carbohydrate high-fat meal replacements for weight loss. International Journal of Food Sciences and Nutrition, 2007, 58, 321-329.	1.3	8
26	A Family-Based Approach to Preventing Excessive Weight Gain*. Obesity, 2006, 14, 1392-1401.	1.5	96
27	Effects of breakfast meal composition on second meal metabolic responses in adults with type 2 diabetes mellitus. European Journal of Clinical Nutrition, 2006, 60, 1122-1129.	1.3	70
28	Effect of a post-dinner snack and partial meal replacement program on weight loss. International Journal of Food Sciences and Nutrition, 2006, 57, 97-106.	1.3	18
29	Night eating syndrome: Evaluation of two screening instruments. Eating Behaviors, 2005, 6, 63-73.	1.1	19
30	Evening Ready-to-Eat Cereal Consumption Contributes to Weight Management. Journal of the American College of Nutrition, 2004, 23, 316-321.	1.1	47
31	The effects of fiber enrichment of pasta and fat content on gastric emptying, GLP-1, glucose, and insulin responses to a meal. European Journal of Clinical Nutrition, 2003, 57, 293-298.	1.3	117
32	Long-term effect of reduced carbohydrate or increased fiber intake on LDL particle size and HDL composition in subjects with type 2 diabetes. Nutrition Research, 2003, 23, 15-26.	1.3	7
33	Dietary lipids alter the effect of steroids on the transport of glucose after intestinal resection: Part I. Phenotypic changes and expression of transporters. Journal of Pediatric Surgery, 2003, 38, 150-160.	0.8	13
34	Dietary lipids alter the effect of steroids on transport of glucose after intestinal resection: Part II. Signalling of the response. Journal of Pediatric Surgery, 2003, 38, 575-578.	0.8	2
35	The locally acting glucocorticosteroid budesonide enhances intestinal sugar uptake following intestinal resection in rats. Gut, 2003, 52, 252-259.	6.1	22
36	Modulation of intestinal protein synthesis and protease mRNA by luminal and systemic nutrients. American Journal of Physiology - Renal Physiology, 2003, 284, G1017-G1026.	1.6	33

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37	Intestinal Resection- and Steroid-Associated Alterations in Gene Expression Were Not Accompanied by Changes in Lipid Uptake. Digestion, 2002, 66, 112-120.	1.2	5
38	Shortâ€chain fatty acids and total parenteral nutrition affect intestinal gene expression. Journal of Parenteral and Enteral Nutrition, 2002, 26, 145-150.	1.3	37
39	Do colonic short-chain fatty acids contribute to the long-term adaptation of blood lipids in subjects with type 2 diabetes consuming a high-fiber diet?. American Journal of Clinical Nutrition, 2002, 75, 1023-1030.	2.2	47
40	Position of the American Dietetic Association. Journal of the American Dietetic Association, 2002, 102, 993-1000.	1.3	739
41	Dietary lipids alter the effect of steroids on the uptake of lipids following intestinal resection in rats. Digestive Diseases and Sciences, 2002, 47, 1686-1696.	1.1	7
42	Candidate foods in the Asia-Pacific region for cardiovascular protection: relevance of grains and grain-based foods to coronary heart disease. Asia Pacific Journal of Clinical Nutrition, 2001, 10, 123-127.	0.3	0
43	Candidate foods in the Asia-Pacific region for cardiovascular protection: relevance of grains and grain-based foods to coronary heart disease. Asia Pacific Journal of Clinical Nutrition, 2001, 10, 123-127.	0.3	2
44	Comparison of high- and low-glycemic-index breakfast cereals with monounsaturated fat in the long-term dietary management of type 2 diabetes. American Journal of Clinical Nutrition, 2000, 72, 439-449.	2.2	72
45	Proglucagon messenger ribonucleic acid and intestinal glucose uptake are modulated by fermentable fiber and food intake in diabetic rats. Nutrition Research, 2000, 20, 851-864.	1.3	16
46	Luminal Amino Acids Acutely Decrease Intestinal Mucosal Protein Synthesis and Protease mRNA in Piglets. Journal of Nutrition, 1999, 129, 1871-1878.	1.3	28
47	Jejunal mucosal protein synthesis: validation of luminal flooding dose method and effect of luminal osmolarity. American Journal of Physiology - Renal Physiology, 1999, 276, G14-G20.	1.6	9
48	The fermentable fiber content of the diet alters the function and composition of canine gut associated lymphoid tissue. Veterinary Immunology and Immunopathology, 1999, 72, 325-341.	0.5	65
49	Systemic short-chain fatty acids rapidly alter gastrointestinal structure, function, and expression of early response genes. Digestive Diseases and Sciences, 1998, 43, 1526-1536.	1.1	125
50	Kinetic analysis of l-glutamine transport into porcine jejunal enterocyte brush-border membrane vesicles. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1998, 121, 411-422.	0.8	25
51	In vitro binding of bile salt to rhubarb stalk powder. Nutrition Research, 1998, 18, 893-903.	1.3	19
52	Short-chain fatty acidâ€“supplemented total parenteral nutrition alters intestinal structure, glucose transporter 2 (GLUT2) mRNA and protein, and proglucagon mRNA abundance in normal rats. American Journal of Clinical Nutrition, 1998, 68, 118-125.	2.2	108
53	Fermentable Dietary Fiber Increases GLP-1 Secretion and Improves Glucose Homeostasis Despite Increased Intestinal Glucose Transport Capacity in Healthy Dogs. Journal of Nutrition, 1998, 128, 1786-1793.	1.3	155
54	Intestinal nutrient-gene interaction: the effect of feed deprivation and refeeding on cholecystokinin and proglucagon gene expression.. Journal of Animal Science, 1998, 76, 3104.	0.2	16

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55	Proglucagon and Glucose Transporter mRNA Is Altered by Diet and Disease Susceptibility in 30-Day-Old Biobreeding (BB) Diabetes-Prone and Normal Rats. Pediatric Research, 1998, 44, 68-73.	1.1	10
56	Short-chain fatty acid-supplemented total parenteral nutrition enhances functional adaptation to intestinal resection in rats. Gastroenterology, 1997, 112, 792-802.	0.6	131
57	A Physiological Level of Rhubarb Fiber Increases Proglucagon Gene Expression and Modulates Intestinal Glucose Uptake in Rats ,. Journal of Nutrition, 1997, 127, 1923-1928.	1.3	59
58	Glutamine Supplementation Maintains Intramuscular Glutamine Concentrations and Normalizes Lymphocyte Function in Infected Early Weaned Pigs. Journal of Nutrition, 1997, 127, 2253-2259.	1.3	65
59	Ontogenic changes in proglucagon mRNA in BB diabetes prone and normal rats weaned onto a chow diet. Diabetologia, 1997, 40, 871-878.	2.9	14
60	Ileal recovery of nutrients and mucin in humans fed total enteral formulas supplemented with soy fiber. American Journal of Clinical Nutrition, 1996, 63, 584-595.	2.2	60
61	Dietary Fiber and Short-Chain Fatty Acids Affect Cell Proliferation and Protein Synthesis in Isolated Rat Colonocytes. Journal of Nutrition, 1996, 126, 1429-1437.	1.3	27
62	Influence of dietary fiber consumption on oxidative metabolism and anaplerotic flux in isolated rat colonocytes. Comparative Biochemistry and Physiology A, Comparative Physiology, 1996, 115, 81-89.	0.7	3
63	Shortâ€Chain Fatty Acidâ€Supplemented Total Parenteral Nutrition Improves Nonspecific Immunity After Intestinal Resection in Rats. Journal of Parenteral and Enteral Nutrition, 1996, 20, 264-271.	1.3	56
64	Shortâ€Chain Fatty Acids Increase Proglucagon and Ornithine Decarboxylase Messenger RNAs After Intestinal Resection in Rats. Journal of Parenteral and Enteral Nutrition, 1996, 20, 357-362.	1.3	86
65	Estimation by regression analysis of endogenous amino acid levels in digesta collected from the distal ileum of pigs. Journal of Animal Science, 1995, 73, 2319-2328.	0.2	75
66	Luminal Glutamine Perfusion Alters Endotoxinâ€Related Changes in Ileal Permeability of the Piglet. Journal of Parenteral and Enteral Nutrition, 1995, 19, 83-87.	1.3	40
67	Dietary fiber increases oxidative metabolism in colonocytes but not in distal small intestinal enterocytes isolated from rats. Journal of Nutrition, 1995, 125, 273-82.	1.3	27
68	Splanchnic infusions of short chain fatty acids do not change insulin sensitivity of pigs. Journal of Nutrition, 1995, 125, 2571-6.	1.3	4
69	The gut: central organ in nutrient requirements and metabolism. Canadian Journal of Physiology and Pharmacology, 1994, 72, 260-265.	0.7	27
70	Fiber and Large Bowel Energy Absorption: Validation of the Integrated Ileostomy-Fermentation Model Using Pigs. Journal of Nutrition, 1993, 123, 721-727.	1.3	24
71	Changes in Pig Serum Lipids, Nutrient Digestibility and Sterol Excretion during Cecal Infusion of Propionate ,. Journal of Nutrition, 1992, 122, 241-245.	1.3	46
72	Starch Malabsorption and Stool Excretion Are Influenced by the Menstrual Cycle in Women Consuming Low-Fibre Western Diets. Scandinavian Journal of Gastroenterology, 1991, 26, 880-886.	0.6	64

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73	Dietary Fiber and Total Enteral Nutrition: Fermentative Assessment of Five Fiber Supplements. Journal of Parenteral and Enteral Nutrition, 1991, 15, 267-270.	1.3	7
74	Passage of starch into the colon of humans: quantitation and implications. Canadian Journal of Physiology and Pharmacology, 1991, 69, 130-136.	0.7	13
75	Rates of fermentation and short chain fatty acid and gas production of six starches by human faecal microbiota. Journal of the Science of Food and Agriculture, 1990, 50, 79-88.	1.7	34
76	Fermentative characteristics of cereal brans and vegetable fibers. Nutrition and Cancer, 1990, 13, 271-280.	0.9	51
77	Effect of Human Faecal Donor on in Vitro Fermentation Variables. Scandinavian Journal of Gastroenterology, 1989, 24, 359-367.	0.6	66
78	In Vitro Fermentabilities of Purified Fiber Supplements. Journal of Food Science, 1989, 54, 347-350.	1.5	67
79	Dietary fiber and energy balance: Integration of the human ileostomy and in vitro fermentation models. Animal Feed Science and Technology, 1989, 23, 261-275.	1.1	20
80	A soluble Bacteroides by-product impairs phagocytic killing of Escherichia coli by neutrophils. Infection and Immunity, 1989, 57, 745-753.	1.0	80
81	The effects of diet and duration of diabetes on hypermethioninemia in streptozotocin-diabetic rats. Canadian Journal of Physiology and Pharmacology, 1988, 66, 95-100.	0.7	4
82	Colonic carcinogenesis: The microbial feast or famine mechanism. Nutrition and Cancer, 1987, 10, 23-28.	0.9	35
83	Effect of human faecal inoculum on in vitro fermentation variables. British Journal of Nutrition, 1987, 58, 233-243.	1.2	95
84	Colonic fermentation of some breads and its implication for energy availability in man. Nutrition Research, 1987, 7, 1229-1241.	1.3	15
85	The nutritive value of weather-damaged and good-quality straw of barley, wheat and oat, untreated and treated with ammonia or sodium hydroxide. Journal of Animal Physiology and Animal Nutrition, 1987, 57, 1-15.	1.0	7
86	Praseodymium and copper cation-exchange capacities of neutral-detergent fibres relative to composition and fermentation kinetics. Journal of the Science of Food and Agriculture, 1986, 37, 666-672.	1.7	28
87	Effect of in vitro fermentation using human faecal inoculum on the water-holding capacity of dietary fibre. British Journal of Nutrition, 1985, 53, 17-24.	1.2	101
88	Cation-exchange capacity of plant cell walls at neutral pH. Journal of the Science of Food and Agriculture, 1985, 36, 1065-1072.	1.7	25
89	Cation exchange capacity and buffering capacity of neutral-detergent fibres. Journal of the Science of Food and Agriculture, 1983, 34, 910-916.	1.7	98