

# Douglas J Morrison

## List of Publications by Year in descending order

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93  
papers

8,307  
citations

172457

29  
h-index

74163

75  
g-index

94  
all docs

94  
docs citations

94  
times ranked

11246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Glucose and Fructose Hydrogel Enhances Running Performance, Exogenous Carbohydrate Oxidation, and Gastrointestinal Tolerance. <i>Medicine and Science in Sports and Exercise</i> , 2022, 54, 129-140.	0.4	15
2	Impact of the source of fermentable carbohydrate on SCFA production by human gut microbiota <i>in vitro</i> - a systematic scoping review and secondary analysis. <i>Critical Reviews in Food Science and Nutrition</i> , 2021, 61, 3892-3903.	10.3	22
3	Modifying gut integrity and microbiome in children with severe acute malnutrition using legume-based feeds (MIMBLE): A pilot trial. <i>Cell Reports Medicine</i> , 2021, 2, 100280.	6.5	14
4	Understanding the role of the gut in undernutrition: what can technology tell us?. <i>Gut</i> , 2021, 70, 1580-1594.	12.1	12
5	Carbohydrate Supplementation and the Influence of Breakfast on Fuel Use in Hypoxia. <i>Medicine and Science in Sports and Exercise</i> , 2021, 53, 785-795.	0.4	3
6	Drivers of <i>Clostridioides difficile</i> hypervirulent ribotype 027 spore germination, vegetative cell growth and toxin production <i>in vitro</i> . <i>Clinical Microbiology and Infection</i> , 2020, 26, 941.e1-941.e7.	6.0	7
7	Mycoprotein as a possible alternative source of dietary protein to support muscle and metabolic health. <i>Nutrition Reviews</i> , 2020, 78, 486-497.	5.8	49
8	Moderate intensity exercise training combined with inulin-propionate ester supplementation increases whole body resting fat oxidation in overweight women. <i>Metabolism: Clinical and Experimental</i> , 2020, 104, 154043.	3.4	10
9	Feasibility of testing the medium-term impact of inulin on phenolic acids bioavailability in healthy overweight individuals. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	0
10	A natural mutation in <i>Pisum sativum</i> L. (pea) alters starch assembly and improves glucose homeostasis in humans. <i>Nature Food</i> , 2020, 1, 693-704.	14.0	37
11	Optimising the carbon 13 sucrose breath test for the assessment of environmental enteric dysfunction. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	1.0	0
12	Dietary Fibres Differentially Impact on the Production of Phenolic Acids from Rutin in an <i>In Vitro</i> Fermentation Model of the Human Gut Microbiota. <i>Nutrients</i> , 2020, 12, 1577.	4.1	23
13	Propionic Acid Promotes the Virulent Phenotype of Crohn's Disease-Associated Adherent-Invasive <i>Escherichia coli</i> . <i>Cell Reports</i> , 2020, 30, 2297-2305.e5.	6.4	42
14	Optimisation, validation and field applicability of a 13C-sucrose breath test to assess intestinal function in environmental enteropathy among children in resource poor settings: study protocol for a prospective study in Bangladesh, India, Kenya, Jamaica, Peru and Zambia. <i>BMJ Open</i> , 2020, 10, e035841.	1.9	2
15	The effects of dietary supplementation with inulin and inulin-propionate ester on hepatic steatosis in adults with non-alcoholic fatty liver disease. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 372-376.	4.4	73
16	Effects of Inulin Propionate Ester Incorporated into Palatable Food Products on Appetite and Resting Energy Expenditure: A Randomised Crossover Study. <i>Nutrients</i> , 2019, 11, 861.	4.1	25
17	Liver and muscle glycogen oxidation and performance with dose variation of glucose-fructose ingestion during prolonged (3 h) exercise. <i>European Journal of Applied Physiology</i> , 2019, 119, 1157-1169.	2.5	18
18	A pilot study to evaluate the effect of increased colonic propionate on glucose homeostasis during a hypocaloric diet. <i>Proceedings of the Nutrition Society</i> , 2019, 78, .	1.0	0

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19	Dietary supplementation with inulin-propionate ester or inulin improves insulin sensitivity in adults with overweight and obesity with distinct effects on the gut microbiota, plasma metabolome and systemic inflammatory responses: a randomised cross-over trial. <i>Gut</i> , 2019, 68, 1430-1438.	12.1	235
20	Short Chain Fatty Acid Production from Mycoprotein and Mycoprotein Fibre in an In Vitro Fermentation Model. <i>Nutrients</i> , 2019, 11, 800.	4.1	25
21	BS30â€...Outlining the human monocyte inflammatory cytokine response to dietary fat intake. , 2019, , .		0
22	Fuel Use during Exercise at Altitude in Women with Glucoseâ€“Fructose Ingestion. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 2586-2594.	0.4	13
23	Carbohydrate dose influences liver and muscle glycogen oxidation and performance during prolonged exercise. <i>Physiological Reports</i> , 2018, 6, e13555.	1.7	36
24	Specific substrate-driven changes in human faecal microbiota composition contrast with functional redundancy in short-chain fatty acid production. <i>ISME Journal</i> , 2018, 12, 610-622.	9.8	173
25	Acute oral sodium propionate supplementation raises resting energy expenditure and lipid oxidation in fasted humans. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1034-1039.	4.4	80
26	The effect of L-rhamnose on gastrointestinal transit rates, short chain fatty acids and appetite regulation. <i>Proceedings of the Nutrition Society</i> , 2018, 77, .	1.0	0
27	Role of Gut Microbiota-Generated Short-Chain Fatty Acids in Metabolic and Cardiovascular Health. <i>Current Nutrition Reports</i> , 2018, 7, 198-206.	4.3	425
28	Dietary fibers inhibit obesity in mice, but host responses in the cecum and liver appear unrelated to fiber-specific changes in cecal bacterial taxonomic composition. <i>Scientific Reports</i> , 2018, 8, 15566.	3.3	34
29	The effect of L-rhamnose on intestinal transit time, short chain fatty acids and appetite regulation: a pilot human study using combined <sup>13</sup> CO <sub>2</sub> /H <sub>2</sub> breath tests. <i>Journal of Breath Research</i> , 2018, 12, 046006.	3.0	15
30	A comparison of substrate oxidation during prolonged exercise in men at terrestrial altitude and normobaric normoxia following the coingestion of <sup>13</sup> C glucose and <sup>13</sup> C fructose. <i>Physiological Reports</i> , 2017, 5, e13101.	1.7	22
31	Acute dietary saturated fat intake can suppress the inflammatory response in human circulating foamy monocytes. <i>Atherosclerosis</i> , 2017, 263, e116.	0.8	0
32	Stable Isotope Techniques for the Assessment of Host and Microbiota Response During Gastrointestinal Dysfunction. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017, 64, 8-14.	1.8	11
33	Polyphenols and health: Interactions between fibre, plant polyphenols and the gut microbiota. <i>Nutrition Bulletin</i> , 2017, 42, 356-360.	1.8	106
34	Alterations in Exogenous Carbohydrate, Liver and Muscle Glycogen Oxidation with Different Doses of Glucose and Fructose ingestion during Prolonged Cycling. <i>Medicine and Science in Sports and Exercise</i> , 2017, 49, 189.	0.4	0
35	Slow Strain Rate Testing for Hydrogen Embrittlement Susceptibility of Alloy 718 in Substitute Ocean Water. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 2337-2345.	2.5	12
36	The dietâ€“derived short chain fatty acid propionate improves betaâ€“cell function in humans and stimulates insulin secretion from human islets in vitro. <i>Diabetes, Obesity and Metabolism</i> , 2017, 19, 257-265.	4.4	186

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37	Impact of Glycosidic Bond Configuration on Short Chain Fatty Acid Production from Model Fermentable Carbohydrates by the Human Gut Microbiota. <i>Nutrients</i> , 2017, 9, 26.	4.1	38
38	Increased colonic propionate reduces anticipatory reward responses in the human striatum to high-energy foods. <i>American Journal of Clinical Nutrition</i> , 2016, 104, 5-14.	4.7	145
39	Randomised clinical study: inulin short-chain fatty acid esters for targeted delivery of short-chain fatty acids to the human colon. <i>Alimentary Pharmacology and Therapeutics</i> , 2016, 44, 662-672.	3.7	37
40	Identifying crop variants with high resistant starch content to maintain healthy glucose homeostasis. <i>Nutrition Bulletin</i> , 2016, 41, 372-377.	1.8	6
41	Formation of short chain fatty acids by the gut microbiota and their impact on human metabolism. <i>Gut Microbes</i> , 2016, 7, 189-200.	9.8	2,214
42	Effects of elevating colonic propionate on liver fat content in overweight adults with non-alcoholic fatty liver disease: a pilot study. <i>Proceedings of the Nutrition Society</i> , 2015, 74, .	1.0	4
43	Developing the concept of dietary estimation of fermentable carbohydrate (FC). <i>Proceedings of the Nutrition Society</i> , 2015, 74, .	1.0	0
44	A novel dietary strategy to increase colonic propionate production in humans and improve appetite regulation and bodyweight management. <i>Nutrition Bulletin</i> , 2015, 40, 227-230.	1.8	1
45	Control of appetite and energy intake by SCFA: what are the potential underlying mechanisms?. <i>Proceedings of the Nutrition Society</i> , 2015, 74, 328-336.	1.0	216
46	The role of short chain fatty acids in appetite regulation and energy homeostasis. <i>International Journal of Obesity</i> , 2015, 39, 1331-1338.	3.4	468
47	Molecular determinants of short chain fatty acid production: influence of glycosidic bond configuration. <i>Proceedings of the Nutrition Society</i> , 2015, 74, .	1.0	0
48	Optimising gut colonisation resistance against <i>Clostridium difficile</i> infection. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2015, 34, 2161-2166.	2.9	7
49	Effects of targeted delivery of propionate to the human colon on appetite regulation, body weight maintenance and adiposity in overweight adults. <i>Gut</i> , 2015, 64, 1744-1754.	12.1	950
50	The short-chain fatty acid acetate reduces appetite via a central homeostatic mechanism. <i>Nature Communications</i> , 2014, 5, 3611.	12.8	1,129
51	Inulin propionate ester increases satiety and decreases appetite but does not affect gastric emptying in healthy humans. <i>Proceedings of the Nutrition Society</i> , 2014, 73, .	1.0	7
52	Standardisation of units for short chain fatty acid production from <i>in vitro</i> fermentation systems. <i>Proceedings of the Nutrition Society</i> , 2014, 73, .	1.0	0
53	Targeted delivery of propionate to the human colon prevents body weight and intra-abdominal adipose tissue gain in overweight adults. <i>Proceedings of the Nutrition Society</i> , 2014, 73, .	1.0	1
54	Targeted delivery of propionate to the colon stimulates the release of anorectic gut hormones and suppresses appetite in humans. <i>Proceedings of the Nutrition Society</i> , 2014, 73, .	1.0	1

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55	Tu1196 Partial Hiatus Herniation Occurs in Asymptomatic Individuals With Central Obesity or With Abdominal Belt Compression. <i>Gastroenterology</i> , 2013, 144, S-787-S-788.	1.3	0
56	Human metabolism and elimination of the anthocyanin, cyanidin-3-glucoside: a <sup>13</sup> C-tracer study. <i>American Journal of Clinical Nutrition</i> , 2013, 97, 995-1003.	4.7	487
57	Preexercise Galactose and Glucose Ingestion on Fuel Use during Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2012, 44, 1958-1967.	0.4	16
58	Mo1983 Detection of Gut Microbiota in Preterm Infants in the First Month of Life Using Transient Temperature Gel Electrophoresis. <i>Gastroenterology</i> , 2012, 142, S-713.	1.3	0
59	Mo2067 Stool Calprotectin Levels in Preterm Infants With and Without Necrotising Enterocolitis. <i>Gastroenterology</i> , 2012, 142, S-732.	1.3	0
60	Mo1984 Stool Secretory IgA Levels in Preterm Infants With and Without Necrotising Enterocolitis. <i>Gastroenterology</i> , 2012, 142, S-714.	1.3	0
61	Kinetics of transient hiatus hernia during transient lower esophageal sphincter relaxations and swallows in healthy subjects. <i>Neurogastroenterology and Motility</i> , 2012, 24, 990.	3.0	19
62	Strong anion exchange liquid chromatographic separation of protein amino acids for natural <sup>13</sup> C-abundance determination by isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 429-435.	1.5	26
63	Quantitation of plasma <sup>13</sup> C-galactose and <sup>13</sup> C-glucose during exercise by liquid chromatography/isotope ratio mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 2484-2488.	1.5	15
64	Use of Stable Isotopes To Measure the Metabolic Activity of the Human Intestinal Microbiota. <i>Applied and Environmental Microbiology</i> , 2011, 77, 8009-8014.	3.1	17
65	Strong anion exchange liquid chromatography coupled with isotope ratio mass spectrometry using a Liqueface interface. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1755-1762.	1.5	32
66	Reconstructing bulk isotope ratios from compound-specific isotope ratios. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1799-1804.	1.5	12
67	Oesophageal and gastric intestinal-type adenocarcinomas show the same male predominance due to a 17 year delayed development in females. <i>Gut</i> , 2009, 58, 16-23.	12.1	130
68	Vertebrate nutrition in a deep-sea hydrothermal vent ecosystem: Fatty acid and stable isotope evidence. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2008, 55, 1718-1726.	1.4	15
69	S2059 A 17-Year Delay of Development of Intestinal Type Adenocarcinoma in Females Explains Male Predominance of Upper Gastrointestinal Cancer. <i>Gastroenterology</i> , 2008, 134, A-306-A-307.	1.3	0
70	What Is the Role of the Metabolic Activity of the Gut Microbiota in Inflammatory Bowel Disease? Probing for Answers With Stable Isotopes. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2008, 46, 486-495.	1.8	18
71	Discrimination of Wild and Cultured European Sea Bass ( <i>Dicentrarchus labrax</i> ) Using Chemical and Isotopic Analyses. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 5934-5941.	5.2	70
72	Authenticating Production Origin of Gilthead Sea Bream ( <i>Sparus aurata</i> ) by Chemical and Isotopic Fingerprinting. <i>Lipids</i> , 2007, 42, 537-545.	1.7	41

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73	Butyrate production from oligofructose fermentation by the human faecal flora: what is the contribution of extracellular acetate and lactate?. British Journal of Nutrition, 2006, 96, 570-577.	2.3	17
74	Butyrate production from oligofructose fermentation by the human faecal flora: what is the contribution of extracellular acetate and lactate?. British Journal of Nutrition, 2006, 96, 570-7.	2.3	125
75	A streamlined approach to the analysis of volatile fatty acids and its application to the measurement of whole-body flux. Rapid Communications in Mass Spectrometry, 2004, 18, 2593-2600.	1.5	36
76	Dietary fibre in health and disease. Nutrition Bulletin, 2003, 28, 69-72.	1.8	8
77	Gastrointestinal handling of glycosyl [13C]ureides. European Journal of Clinical Nutrition, 2003, 57, 1017-1024.	2.9	25
78	Modeling 13C Breath Curves to Determine Site and Extent of Starch Digestion and Fermentation in Infants. Journal of Pediatric Gastroenterology and Nutrition, 2002, 34, 158-164.	1.8	27
79	Production of <sup>13</sup> C Labelled Pea Flour for Use in Human Digestion and Fermentation Studies. Isotopes in Environmental and Health Studies, 2002, 38, 139-147.	1.0	4
80	Measurement of oro-cecal transit time in young children using lactose [13C] ureide requires further validation. Journal of Pediatric Gastroenterology and Nutrition, 2002, 34, 570-571.	1.8	7
81	PRODUCTION OF 13 C LABELLED PEA FLOUR FOR USE IN HUMAN DIGESTION AND FERMENTATION STUDIES. Isotopes in Environmental and Health Studies, 2002, 38, 139-147.	1.0	1
82	The <sup>13</sup> C-octanoic acid breath test for detection of effects of meal composition on the rate of solid-phase gastric emptying in ponies. Research in Veterinary Science, 2001, 71, 81-83.	1.9	17
83	Use of the <sup>13</sup> C-octanoic acid breath test for assessment of solid-phase gastric emptying in dogs. American Journal of Veterinary Research, 2001, 62, 1939-1944.	0.6	32
84	Rapid quality control analysis of <sup>13</sup> C-enriched substrate synthesis by isotope ratio mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1279-1282.	1.5	11
85	Assessment of the rate of solid-phase gastric emptying in ponies by means of the <sup>13</sup> C-octanoic acid breath test: a preliminary study. Equine Veterinary Journal, 2001, 33, 197-203.	1.7	19
86	<sup>13</sup> C natural abundance in the British diet: implications for <sup>13</sup> C breath tests. Rapid Communications in Mass Spectrometry, 2000, 14, 1321-1324.	1.5	65
87	Surface preparation for Schottky metal - 4H-SiC contacts formed on plasma-etched SiC. Semiconductor Science and Technology, 2000, 15, 1107-1114.	2.0	20
88	Low temperature annealing of 4H-SiC Schottky diode edge terminations formed by 30 keV Ar+ implantation. Journal of Applied Physics, 2000, 87, 3973-3977.	2.5	15
89	Measurement of urinary total <sup>13</sup> C and <sup>13</sup> C urea by isotope ratio mass spectrometry after administration of lactose [13C]-Ureide. , 1999, 13, 1252-1256.		8
90	Lactose [13C]Ureide as a marker for colonic fermentation and the deconvolution of a complex <sup>13</sup> CO <sub>2</sub> breath test curve. Biochemical Society Transactions, 1998, 26, S184-S184.	3.4	11

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91	Influence of cyclic deformation on surface microstructure and hardness of ion-implanted nickel. Metallurgical and Materials Transactions A - Physical Metallurgy and Materials Science, 1991, 22, 1633-1646.	1.4	7
92	COMPUTER SIMULATION AS A TEACHING AID IN PHARMACY MANAGEMENTâ€“PART 1: PRINCIPLES OF ACCOUNTING. Journal of Clinical Pharmacy and Therapeutics, 1987, 12, 187-192.	1.5	0
93	COMPUTER SIMULATION AS A TEACHING AID IN PHARMACY MANAGEMENTâ€“PART 2. STOCK CONTROL. Journal of Clinical Pharmacy and Therapeutics, 1987, 12, 261-265.	1.5	1