

Edward S Chambers

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

4,888
citations

201674

27
h-index

243625

44
g-index

49
all docs

49
docs citations

49
times ranked

6873
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Carbohydrate sensing in the human mouth: effects on exercise performance and brain activity. <i>Journal of Physiology</i> , 2009, 587, 1779-1794. | 2.9 | 438 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Objective assessment of dietary patterns by use of metabolic phenotyping: a randomised, controlled, crossover trial. <i>Lancet Diabetes and Endocrinology</i> , 2017, 5, 184-195. | 11.4 | 194 |
| 8 | Short-chain fatty acids as potential regulators of skeletal muscle metabolism and function. <i>Nature Metabolism</i> , 2020, 2, 840-848. | 11.9 | 194 |
| 9 | The diet-derived short chain fatty acid propionate improves beta-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 |
| 10 | Coadministration of Glucagon-Like Peptide-1 During Glucagon Infusion in Humans Results in Increased Energy Expenditure and Amelioration of Hyperglycemia. <i>Diabetes</i> , 2013, 62, 1131-1138. | 0.6 | 182 |
| 11 | 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 |
| 12 | Coinfusion of Low-Dose GLP-1 and Glucagon in Man Results in a Reduction in Food Intake. <i>Diabetes</i> , 2014, 63, 3711-3720. | 0.6 | 119 |
| 13 | Glucagon increases energy expenditure independently of brown adipose tissue activation in humans. <i>Diabetes, Obesity and Metabolism</i> , 2016, 18, 72-81. | 4.4 | 118 |
| 14 | Oral carbohydrate sensing and exercise performance. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2010, 13, 447-451. | 2.5 | 101 |
| 15 | 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 |
| 16 | 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 |
| 17 | Maximal fat oxidation during exercise is positively associated with 24-hour fat oxidation and insulin sensitivity in young, healthy men. <i>Journal of Applied Physiology</i> , 2015, 118, 1415-1422. | 2.5 | 67 |
| 18 | The effect of feeding frequency on insulin and ghrelin responses in human subjects. <i>British Journal of Nutrition</i> , 2008, 100, 810-819. | 2.3 | 58 |

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|----|---|------|-----------|
| 19 | Mycoprotein reduces energy intake and postprandial insulin release without altering glucagon-like peptide-1 and peptide tyrosine-tyrosine concentrations in healthy overweight and obese adults: a randomised-controlled trial. <i>British Journal of Nutrition</i> , 2016, 116, 360-374. | 2.3 | 58 |
| 20 | The effects of high-intensity exercise on neural responses to images of food. <i>American Journal of Clinical Nutrition</i> , 2014, 99, 258-267. | 4.7 | 53 |
| 21 | An Analytical Pipeline for Quantitative Characterization of Dietary Intake: Application To Assess Grape Intake. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 2423-2431. | 5.2 | 48 |
| 22 | Mechanisms Linking the Gut-Muscle Axis With Muscle Protein Metabolism and Anabolic Resistance: Implications for Older Adults at Risk of Sarcopenia. <i>Frontiers in Physiology</i> , 2021, 12, 770455. | 2.8 | 39 |
| 23 | 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 |
| 24 | 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 |
| 25 | Higher dietary fibre intake is associated with increased skeletal muscle mass and strength in adults aged 40 years and older. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021, 12, 2134-2144. | 7.3 | 34 |
| 26 | Spot and Cumulative Urine Samples Are Suitable Replacements for 24-Hour Urine Collections for Objective Measures of Dietary Exposure in Adults Using Metabolite Biomarkers. <i>Journal of Nutrition</i> , 2019, 149, 1692-1700. | 2.9 | 31 |
| 27 | Regulation of energy expenditure and substrate oxidation by short-chain fatty acids. <i>Journal of Endocrinology</i> , 2019, 242, R1-R8. | 2.6 | 31 |
| 28 | Pharmacokinetics, adverse effects and tolerability of a novel analogue of human pancreatic polypeptide, PP 1420. <i>British Journal of Clinical Pharmacology</i> , 2012, 73, 232-239. | 2.4 | 30 |
| 29 | 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 |
| 30 | Effects of mycoprotein on glycaemic control and energy intake in humans: a systematic review. <i>British Journal of Nutrition</i> , 2020, 123, 1321-1332. | 2.3 | 23 |
| 31 | Intakes and Food Sources of Dietary Fibre and Their Associations with Measures of Body Composition and Inflammation in UK Adults: Cross-Sectional Analysis of the Airwave Health Monitoring Study. <i>Nutrients</i> , 2019, 11, 1839. | 4.1 | 21 |
| 32 | Developing a Food Exposure and Urine Sampling Strategy for Dietary Exposure Biomarker Validation in Free-Living Individuals. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900062. | 3.3 | 19 |
| 33 | Carbohydrate and human health: is it all about quality?. <i>Lancet, The</i> , 2019, 393, 384-386. | 13.7 | 19 |
| 34 | Circulating Pancreatic Polypeptide Concentrations Predict Visceral and Liver Fat Content. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 1048-1052. | 3.6 | 16 |
| 35 | The Effect of a Single Bout of Continuous Aerobic Exercise on Glucose, Insulin and Glucagon Concentrations Compared to Resting Conditions in Healthy Adults: A Systematic Review, Meta-Analysis and Meta-Regression. <i>Sports Medicine</i> , 2021, 51, 1949-1966. | 6.5 | 16 |
| 36 | Effect of semolina pudding prepared from starch branching enzyme IIa and b mutant wheat on glycaemic response in vitro and in vivo: a randomised controlled pilot study. <i>Food and Function</i> , 2020, 11, 617-627. | 4.6 | 15 |

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|----|---|-----|-----------|
| 37 | The effects of SCFAs on glycemic control in humans: a systematic review and meta-analysis. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 335-361. | 4.7 | 15 |
| 38 | 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 |
| 39 | The acute effect of fasted exercise on energy intake, energy expenditure, subjective hunger and gastrointestinal hormone release compared to fed exercise in healthy individuals: a systematic review and network meta-analysis. <i>International Journal of Obesity</i> , 2022, 46, 255-268. | 3.4 | 8 |
| 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 | Gut-derived short-chain fatty acids: A friend or foe for hepatic lipid metabolism?. <i>Nutrition Bulletin</i> , 2019, 44, 154-159. | 1.8 | 5 |
| 42 | A study protocol for a randomised crossover study evaluating the effect of diets differing in carbohydrate quality on ileal content and appetite regulation in healthy humans. <i>F1000Research</i> , 2019, 8, 258. | 1.6 | 5 |
| 43 | Design and Characterisation of a Randomized Food Intervention That Mimics Exposure to a Typical UK Diet to Provide Urine Samples for Identification and Validation of Metabolite Biomarkers of Food Intake. <i>Frontiers in Nutrition</i> , 2020, 7, 561010. | 3.7 | 4 |
| 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 | UK Nutrition Research Partnership (NRP) workshop: Improving our understanding of the metabolic interplay between nutrition and physical activity (INACT). <i>Nutrition Bulletin</i> , 2021, 46, 350-353. | 1.8 | 1 |
| 46 | Odd Chain Fatty Acids Are Not Robust Biomarkers for Dietary Intake of Fiber. <i>Molecular Nutrition and Food Research</i> , 2021, 65, 2100316. | 3.3 | 0 |
| 47 | Increased Colonic Propionate Reduces Anticipatory Food Reward Responses in the Human Striatum. <i>FASEB Journal</i> , 2015, 29, 385.8. | 0.5 | 0 |
| 48 | A study protocol for a randomised crossover study evaluating the effect of diets differing in carbohydrate quality on ileal content and appetite regulation in healthy humans. <i>F1000Research</i> , 0, 8, 258. | 1.6 | 0 |