

Helen E Raybould

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,972
citations

331670

21
h-index

276875

41
g-index

57
all docs

57
docs citations

57
times ranked

2706
citing authors

#	ARTICLE	IF	CITATIONS
1	Bifidobacteria Isolated From Infants and Cultured on Human Milk Oligosaccharides Affect Intestinal Epithelial Function. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2012, 55, 321-327.	1.8	208
2	Gut chemosensing: Interactions between gut endocrine cells and visceral afferents. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2010, 153, 41-46.	2.8	194
3	Expression of 5-HT ₃ receptors by extrinsic duodenal afferents contribute to intestinal inhibition of gastric emptying. <i>American Journal of Physiology - Renal Physiology</i> , 2003, 284, G367-G372.	3.4	138
4	Mechanisms of CCK signaling from gut to brain. <i>Current Opinion in Pharmacology</i> , 2007, 7, 570-574.	3.5	126
5	Vagal afferent neurons in high fat diet-induced obesity; intestinal microflora, gut inflammation and cholecystokinin. <i>Physiology and Behavior</i> , 2011, 105, 100-105.	2.1	122
6	Indole-3-lactic acid associated with Bifidobacterium-dominated microbiota significantly decreases inflammation in intestinal epithelial cells. <i>BMC Microbiology</i> , 2020, 20, 357.	3.3	117
7	Deletion of leptin signaling in vagal afferent neurons results in hyperphagia and obesity. <i>Molecular Metabolism</i> , 2014, 3, 595-607.	6.5	102
8	Chronic exposure to Low dose bacterial lipopolysaccharide inhibits leptin signaling in vagal afferent neurons. <i>Physiology and Behavior</i> , 2015, 139, 188-194.	2.1	99
9	Gut microbiota, epithelial function and derangements in obesity. <i>Journal of Physiology</i> , 2012, 590, 441-446.	2.9	92
10	Glucagon-Like Peptide 1 Interacts with Ghrelin and Leptin to Regulate Glucose Metabolism and Food Intake through Vagal Afferent Neuron Signaling. <i>Journal of Nutrition</i> , 2015, 145, 672-680.	2.9	82
11	Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice. <i>Journal of Dairy Science</i> , 2017, 100, 2471-2481.	3.4	64
12	Cholecystokinin Knockout Mice Are Resistant to High-Fat Diet-Induced Obesity. <i>Gastroenterology</i> , 2010, 138, 1997-2005.	1.3	60
13	Detection of macronutrients in the intestinal wall. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2006, 125, 28-33.	2.8	53
14	Diet-Induced Regulation of Bitter Taste Receptor Subtypes in the Mouse Gastrointestinal Tract. <i>PLoS ONE</i> , 2014, 9, e107732.	2.5	53
15	Sex differences in response to short-term high fat diet in mice. <i>Physiology and Behavior</i> , 2020, 221, 112894.	2.1	42
16	Influence of Sucrose Ingestion on Brainstem and Hypothalamic Intrinsic Oscillations in Lean and Obese Women. <i>Gastroenterology</i> , 2014, 146, 1212-1221.	1.3	39
17	Mutations in Durum Wheat <i>SBEII</i> Genes affect Grain Yield Components, Quality, and Fermentation Responses in Rats. <i>Crop Science</i> , 2015, 55, 2813-2825.	1.8	35
18	Milk with and without lactoferrin can influence intestinal damage in a pig model of malnutrition. <i>Food and Function</i> , 2016, 7, 665-678.	4.6	34

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19	Ability of GLP-1 to decrease food intake is dependent on nutritional status. <i>Physiology and Behavior</i> , 2014, 135, 222-229.	2.1	32
20	Sensing of glucose in the gastrointestinal tract. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 133, 86-90.	2.8	31
21	Obesity induces gut microbiota alterations and augments acute graft-versus-host disease after allogeneic stem cell transplantation. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	29
22	Nopal feeding reduces adiposity, intestinal inflammation and shifts the cecal microbiota and metabolism in high-fat fed rats. <i>PLoS ONE</i> , 2017, 12, e0171672.	2.5	28
23	Blunted Vagal Cocaine- and Amphetamine-Regulated Transcript Promotes Hyperphagia and Weight Gain. <i>Cell Reports</i> , 2020, 30, 2028-2039.e4.	6.4	23
24	2- α -Fucosyllactose Supplementation Improves Gut-Brain Signaling and Diet-Induced Obese Phenotype and Changes the Gut Microbiota in High Fat-Fed Mice. <i>Nutrients</i> , 2020, 12, 1003.	4.1	22
25	Region-Specific Cell Membrane N-Glycome of Functional Mouse Brain Areas Revealed by nanoLC-MS Analysis. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100130.	3.8	19
26	<i>Bifidobacterium</i> catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection. <i>Gut Microbes</i> , 2021, 13, 1986666.	9.8	18
27	Vagal plasticity the key to obesity. <i>Molecular Metabolism</i> , 2014, 3, 855-856.	6.5	12
28	Deletion of leptin receptors in vagal afferent neurons disrupts estrogen signaling, body weight, food intake and hormonal controls of feeding in female mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 316, E568-E577.	3.5	12
29	What Should I Eat and Why? The Environmental, Genetic, and Behavioral Determinants of Food Choice: Summary from a Pennington Scientific Symposium. <i>Obesity</i> , 2020, 28, 1386-1396.	3.0	12
30	Leptin signaling in vagal afferent neurons supports the absorption and storage of nutrients from high-fat diet. <i>International Journal of Obesity</i> , 2021, 45, 348-357.	3.4	12
31	Primary afferent response to signals in the intestinal lumen. <i>Journal of Physiology</i> , 2001, 530, 343-343.	2.9	11
32	Human milk oligosaccharide 2- α -fucosyllactose supplementation improves gut barrier function and signaling in the vagal afferent pathway in mice. <i>Food and Function</i> , 2021, 12, 8507-8521.	4.6	11
33	Lysozyme-rich milk mitigates effects of malnutrition in a pig model of malnutrition and infection. <i>British Journal of Nutrition</i> , 2018, 120, 1131-1148.	2.3	9
34	Chronic refined low-fat diet consumption reduces cholecystokinin satiation in rats. <i>European Journal of Nutrition</i> , 2019, 58, 2497-2510.	3.9	7
35	Estrogen and gut satiety hormones in vagus-hindbrain axis. <i>Peptides</i> , 2020, 133, 170389.	2.4	7
36	Microbial metabolites and the vagal afferent pathway in the control of food intake. <i>Physiology and Behavior</i> , 2021, 240, 113555.	2.1	7

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37	New horizons for future research – Critical issues to consider for maximizing research excellence and impact. <i>Molecular Metabolism</i> , 2018, 14, 53-59.	6.5	3
38	The G-protein coupled receptor GPR40 mediates long chain fatty acid induced cholecystokinin secretion. <i>FASEB Journal</i> , 2010, 24, 1015.4.	0.5	2
39	Integrative Responses of the Gastrointestinal Tract and Liver to a Meal. , 0, , 1-14.		1
40	The heat is on: does direct application of capsaicin to autonomic nerves produce a specific deafferentation?. <i>Journal of Physiology</i> , 2013, 591, 1405-1405.	2.9	1
41	System Metaglycomes: Mapping Dynamic Cell Surface N-glycome, O-glycome and Glycolipidome by Mass Spectrometry. <i>FASEB Journal</i> , 2018, 32, 673.11.	0.5	1
42	Multi-omics Studies Reveal Altered Hippocampal N-glycosylation in High Fat Diet-Induced Obese Mice. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	1
43	The CCK1R is required for enhanced lipid sensing to lipid in mice maintained on high fat diet. <i>FASEB Journal</i> , 2007, 21, A456.	0.5	0
44	Can diet influence the expression of genes associated with control of appetite?. <i>FASEB Journal</i> , 2008, 22, 1184.2.	0.5	0
45	Gastrointestinal (GI) infusion of bitter tastants supports conditioned flavor avoidance (CFA) and activates central neural Fos expression. <i>FASEB Journal</i> , 2008, 22, 1185.5.	0.5	0
46	Effects of dehydrated <i>Opuntia ficus indica</i> (Nopal) consumption on adiposity and gut physiology in Sprague Dawley rats fed a high fat diet. <i>FASEB Journal</i> , 2013, 27, 861.17.	0.5	0
47	Introduction to special issue on feeding peptides. <i>Peptides</i> , 2022, 147, 170687.	2.4	0