

Tiffany L Weir

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

12,560
citations

76326

40
h-index

62596

80
g-index

105
all docs

105
docs citations

105
times ranked

17245
citing authors

#	ARTICLE	IF	CITATIONS
1	Relandscaping the Gut Microbiota with a Whole Food: Dose-Response Effects to Common Bean Foods, 2022, 11, 1153.	4.3	9
2	Tea. , 2022, , 141-155.		0
3	Contribution of the Microbiome to Western Diet-Induced Gene Expression Changes in the Intestine and Vasculature. FASEB Journal, 2022, 36, .	0.5	0
4	A 24-Hour Fast Increases Liver Cytotoxic T Cell Populations in Genetically Obese Mice: A Preliminary Study. FASEB Journal, 2022, 36, .	0.5	0
5	Diet and cancer risk reduction: The role of diet-microbiota interactions and microbial metabolites. Seminars in Cancer Biology, 2021, 70, 53-60.	9.6	23
6	Nutritional Regulation of the Microbiota - Can One Meal Change a Trillion Lives?. , 2021, , 532-541.		0
7	Comparison of Five Oral Cannabidiol Preparations in Adult Humans: Pharmacokinetics, Body Composition, and Heart Rate Variability. Pharmaceuticals, 2021, 14, 35.	3.8	27
8	Transplantation of an obesity-associated human gut microbiota to mice induces vascular dysfunction and glucose intolerance. Gut Microbes, 2021, 13, 1940791.	9.8	20
9	Examining the Gastrointestinal and Immunomodulatory Effects of the Novel Probiotic Bacillus subtilis DE111. International Journal of Molecular Sciences, 2021, 22, 2453.	4.1	21
10	Comprehensive Evaluation of Metabolites and Minerals in 6 Microgreen Species and the Influence of Maturity. Current Developments in Nutrition, 2021, 5, nzaa180.	0.3	23
11	Compositional Changes of the High-Fat Diet-Induced Gut Microbiota upon Consumption of Common Pulses. Nutrients, 2021, 13, 3992.	4.1	19
12	Abstract 11575: The Effects of Tlr4 Deletion on Aortic Stiffness and Gut Microbiota Composition in High Fat Diet-Fed Mice. Circulation, 2021, 144, .	1.6	0
13	Effects of Red Beetroot Juice and Inorganic Nitrate Supplementation on Oral Bacteria and Nitric Oxide Metabolites in Middle-Aged/Older Adults with Overweight and Obesity. Current Developments in Nutrition, 2020, 4, nzaa045_061.	0.3	0
14	Evaluating the Impact of an Aronia Berry Dietary Supplement on Vascular Endothelial Function and the Gut Microbiota in Healthy Middle-Aged/Older Adults: Study Protocol. Current Developments in Nutrition, 2020, 4, nzaa065_009.	0.3	0
15	Gestational Diabetes Is Uniquely Associated With Altered Early Seeding of the Infant Gut Microbiota. Frontiers in Endocrinology, 2020, 11, 603021.	3.5	41
16	Bacillus subtilis DE111 intake may improve blood lipids and endothelial function in healthy adults. Beneficial Microbes, 2020, 11, 621-630.	2.4	18
17	PHAGE-2 Study: Supplemental Bacteriophages Extend Bifidobacterium animalis subsp. lactis BL04 Benefits on Gut Health and Microbiota in Healthy Adults. Nutrients, 2020, 12, 2474.	4.1	33
18	Microbial metabolite indole-3-propionic acid supplementation does not protect mice from the cardiometabolic consequences of a Western diet. American Journal of Physiology - Renal Physiology, 2020, 319, G51-G62.	3.4	22

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19	Microgreens: Consumer sensory perception and acceptance of an emerging functional food crop. <i>Journal of Food Science</i> , 2020, 85, 926-935.	3.1	34
20	Evaluation of pharmacokinetics and acute anti-inflammatory potential of two oral cannabidiol preparations in healthy adults. <i>Phytotherapy Research</i> , 2020, 34, 1696-1703.	5.8	22
21	Amounts and Botanical Diversity of Dietary Fruits and Vegetables Affect Distinctly the Human Gut Microbiome. <i>Current Developments in Nutrition</i> , 2020, 4, nzaa062_002.	0.3	2
22	Pulse Crop Effects on Gut Microbial Populations, Intestinal Function, and Adiposity in a Mouse Model of Diet-Induced Obesity. <i>Nutrients</i> , 2020, 12, 593.	4.1	17
23	Endothelial Dysfunction is Transferable from Humans to Germ-Free Mice via Fecal Microbiota Transplantation. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	1
24	Identifying Candidates for Novel Customized Probiotics Targeting Obesity-Related Vascular Dysfunction. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
25	Effect of Common Bean Consumption on the Gut Associated Microbiome in an In Vivo Screening Model for Breast Cancer. , 2020, 61, .		2
26	Impact of Acute and Chronic Red Beetroot Juice Consumption on Postprandial Endothelial Function and Levels of Nitrate/Nitrite in Plasma and Saliva (P06-113-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz031.P06-113-19.	0.3	0
27	Impact of Red Beetroot Juice on Vascular Endothelial Function and Cardiometabolic Responses to a High-Fat Meal in Middle-Aged/Older Adults with Overweight and Obesity: A Randomized, Double-Blind, Placebo-Controlled, Crossover Trial. <i>Current Developments in Nutrition</i> , 2019, 3, nzz113.	0.3	13
28	Gut microbiota regulates cardiac ischemic tolerance and aortic stiffness in obesity. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 317, H1210-H1220.	3.2	29
29	Suppression of the gut microbiome ameliorates age-related arterial dysfunction and oxidative stress in mice. <i>Journal of Physiology</i> , 2019, 597, 2361-2378.	2.9	106
30	The Gut Microbiota Is Associated with Vascular Function and Blood Pressure Phenotypes in Overweight and Obese Middle-Aged/Older Adults (P21-024-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz041.P21-024-19.	0.3	3
31	Cardiometabolic Effects of a Gut Microbial Metabolite of Tryptophan in Western Diet-fed Mice (P21-025-19). <i>Current Developments in Nutrition</i> , 2019, 3, nzz041.P21-025-19.	0.3	0
32	PHAGE Study: Effects of Supplemental Bacteriophage Intake on Inflammation and Gut Microbiota in Healthy Adults. <i>Nutrients</i> , 2019, 11, 666.	4.1	108
33	Microbial Metabolites in Cancer Promotion or Prevention. <i>Current Cancer Research</i> , 2019, , 317-346.	0.2	4
34	White Kidney Bean (<i>Phaseolus Vulgaris</i> L.) Consumption Reduces Fat Accumulation in a Polygenic Mouse Model of Obesity. <i>Nutrients</i> , 2019, 11, 2780.	4.1	29
35	The Effect of Hops (<i>Humulus lupulus</i> L.) Extract Supplementation on Weight Gain, Adiposity and Intestinal Function in Ovariectomized Mice. <i>Nutrients</i> , 2019, 11, 3004.	4.1	16
36	Bacteriophage for Gastrointestinal Health (PHAGE) Study: Evaluating the Safety and Tolerability of Supplemental Bacteriophage Consumption. <i>Journal of the American College of Nutrition</i> , 2019, 38, 68-75.	1.8	63

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37	The gut microbiota as a novel regulator of cardiovascular function and disease. <i>Journal of Nutritional Biochemistry</i> , 2018, 56, 1-15.	4.2	122
38	SGLT2 inhibition via dapagliflozin improves generalized vascular dysfunction and alters the gut microbiota in type 2 diabetic mice. <i>Cardiovascular Diabetology</i> , 2018, 17, 62.	6.8	178
39	Re-purposing 16S rRNA gene sequence data from within case paired tumor biopsy and tumor-adjacent biopsy or fecal samples to identify microbial markers for colorectal cancer. <i>PLoS ONE</i> , 2018, 13, e0207002.	2.5	25
40	The gut microbiota at the intersection of diet and human health. <i>Science</i> , 2018, 362, 776-780.	12.6	683
41	The gut microbiota in infants of obese mothers increases inflammation and susceptibility to NAFLD. <i>Nature Communications</i> , 2018, 9, 4462.	12.8	205
42	Suppression of gut dysbiosis reverses Western diet-induced vascular dysfunction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E468-E477.	3.5	61
43	Impact of Edible Cricket Consumption on Gut Microbiota in Healthy Adults, a Double-blind, Randomized Crossover Trial. <i>Scientific Reports</i> , 2018, 8, 10762.	3.3	149
44	Genotype-specific response of winter wheat (<i>Triticum aestivum</i> L.) to irrigation and inoculation with ACC deaminase bacteria. <i>Rhizosphere</i> , 2018, 8, 1-7.	3.0	13
45	Exercise: The Next Frontier in Microbiota Research?. <i>Exercise and Sport Sciences Reviews</i> , 2017, 45, 4-5.	3.0	4
46	Linking dietary patterns with gut microbial composition and function. <i>Gut Microbes</i> , 2017, 8, 113-129.	9.8	137
47	Dietary supplementation with rice bran or navy bean alters gut bacterial metabolism in colorectal cancer survivors. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1500905.	3.3	80
48	Fuzhuan tea reverses arterial stiffening after modest weight gain in mice. <i>Nutrition</i> , 2017, 33, 266-270.	2.4	14
49	Genotype-Specific Enrichment of 1-Aminocyclopropane-1-Carboxylic Acid Deaminase-Positive Bacteria in Winter Wheat Rhizospheres. <i>Soil Science Society of America Journal</i> , 2017, 81, 796-805.	2.2	17
50	Abstract 165: Role of the Gut Microbiome in Obesity-Related Vascular Dysfunction. <i>Circulation Research</i> , 2017, 121, .	4.5	0
51	Fuzhuan tea consumption imparts hepatoprotective effects and alters intestinal microbiota in high saturated fat diet-fed rats. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 1213-1220.	3.3	59
52	Alterations in human milk leptin and insulin are associated with early changes in the infant intestinal microbiome. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 1291-1300.	4.7	118
53	A Randomized Controlled Trial to Increase Navy Bean or Rice Bran Consumption in Colorectal Cancer Survivors. <i>Nutrition and Cancer</i> , 2016, 68, 1269-1280.	2.0	50
54	Metabolomics and metabolic pathway networks from human colorectal cancers, adjacent mucosa, and stool. <i>Cancer & Metabolism</i> , 2016, 4, 11.	5.0	177

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55	Ovariectomy results in differential shifts in gut microbiota in low versus high aerobic capacity rats. <i>Physiological Reports</i> , 2015, 3, e12488.	1.7	64
56	Pilot Dietary Intervention with Heat-Stabilized Rice Bran Modulates Stool Microbiota and Metabolites in Healthy Adults. <i>Nutrients</i> , 2015, 7, 1282-1300.	4.1	75
57	The role of visceral and subcutaneous adipose tissue fatty acid composition in liver pathophysiology associated with NAFLD. <i>Adipocyte</i> , 2015, 4, 101-112.	2.8	28
58	Interaction of caffeine with the SOS response pathway in <i>Escherichia coli</i> . <i>Gut Pathogens</i> , 2015, 7, 21.	3.4	9
59	Crosstalk between Microbiota-Derived Short-Chain Fatty Acids and Intestinal Epithelial HIF Augments Tissue Barrier Function. <i>Cell Host and Microbe</i> , 2015, 17, 662-671.	11.0	1,162
60	Editorial on "Cancer and the microbiota" published in <i>Science</i> . <i>Annals of Translational Medicine</i> , 2015, 3, 175.	1.7	7
61	Microbe-Host Crosstalk between Short-Chain Fatty Acids and Intestinal Epithelial HIF Provides a New Mechanism to Augment Tissue Barrier Function. <i>FASEB Journal</i> , 2015, 29, 282.6.	0.5	0
62	Diet and the development of the human intestinal microbiome. <i>Frontiers in Microbiology</i> , 2014, 5, 494.	3.5	391
63	Cancer-Promoting Effects of Microbial Dysbiosis. <i>Current Oncology Reports</i> , 2014, 16, 406.	4.0	197
64	Antibacterial activity and phytochemical profile of fermented <i>Camellia sinensis</i> (fuzhuan tea). <i>Food Research International</i> , 2013, 53, 945-949.	6.2	51
65	Stool Microbiome and Metabolome Differences between Colorectal Cancer Patients and Healthy Adults. <i>PLoS ONE</i> , 2013, 8, e70803.	2.5	547
66	Fecal metabolome and microflora differences between colorectal cancer patients and healthy adults.. <i>Journal of Clinical Oncology</i> , 2013, 31, 11050-11050.	1.6	2
67	Protective effects of Fuzhuan Tea against high saturated fat diet-induced inflammation and liver injury in Wistar rats. <i>FASEB Journal</i> , 2013, 27, lb282.	0.5	0
68	Increasing dietary rice bran consumption for colorectal cancer prevention and control.. <i>Journal of Clinical Oncology</i> , 2013, 31, 1558-1558.	1.6	0
69	Dietary rice bran promotes resistance to <i>Salmonella enterica</i> serovar Typhimurium colonization in mice. <i>BMC Microbiology</i> , 2012, 12, 71.	3.3	61
70	Harnessing the rhizosphere microbiome through plant breeding and agricultural management. <i>Plant and Soil</i> , 2012, 360, 1-13.	3.7	347
71	Plant-Inhabiting Ant Utilizes Chemical Cues for Host Discrimination. <i>Biotropica</i> , 2012, 44, 246-253.	1.6	11
72	Fermented Foods: Patented Approaches and Formulations for Nutritional Supplementation and Health Promotion. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2012, 4, 134-140.	0.9	82

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73	Bacterial Secretions. Signaling and Communication in Plants, 2012, , 251-267.	0.7	0
74	Fermented <i>Camellia sinensis</i> , Fu Zhuan Tea, regulates hyperlipidemia and transcription factors involved in lipid catabolism. <i>Food Research International</i> , 2011, 44, 2999-3005.	6.2	81
75	Rice Bran Fermented with <i>Saccharomyces boulardii</i> Generates Novel Metabolite Profiles with Bioactivity. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 1862-1870.	5.2	109
76	Negative Effects of Sample Pooling on PCR-Based Estimates of Soil Microbial Richness and Community Structure. <i>Applied and Environmental Microbiology</i> , 2010, 76, 2086-2090.	3.1	46
77	Rhizosphere chemical dialogues: plant-microbe interactions. <i>Current Opinion in Biotechnology</i> , 2009, 20, 642-650.	6.6	513
78	Phytotoxic polyacetylenes from roots of Russian knapweed (<i>Acroptilon repens</i> (L.) DC.). <i>Phytochemistry</i> , 2008, 69, 2572-2578.	2.9	36
79	Allelopathy: Full Circle from Phytotoxicity to Mechanisms of Resistance. , 2008, , 105-117.		2
80	Global Gene Expression Profiles Suggest an Important Role for Nutrient Acquisition in Early Pathogenesis in a Plant Model of <i>Pseudomonas aeruginosa</i> Infection. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5784-5791.	3.1	23
81	No evidence for root-mediated allelopathy in <i>Centaurea solstitialis</i> , a species in a commonly allelopathic genus. <i>Biological Invasions</i> , 2007, 9, 897-907.	2.4	19
82	THE ROLE OF ROOT EXUDATES IN RHIZOSPHERE INTERACTIONS WITH PLANTS AND OTHER ORGANISMS. <i>Annual Review of Plant Biology</i> , 2006, 57, 233-266.	18.7	3,654
83	Phytotoxins Produced by Invasive Weeds and Their Applications in Agriculture and the Restoration of Natural Areas. <i>ACS Symposium Series</i> , 2006, , 99-112.	0.5	1
84	Oxalate contributes to the resistance of <i>Gaillardia grandiflora</i> and <i>Lupinus sericeus</i> to a phytotoxin produced by <i>Centaurea maculosa</i> . <i>Planta</i> , 2006, 223, 785-795.	3.2	69
85	Root Exudation and Rhizosphere Biology: Multiple Functions of a Plant Secondary Metabolite. , 2006, , 403-420.		2
86	Plant models for animal pathogenesis. <i>Cellular Microbiology</i> , 2005, 7, 315-324.	2.1	29
87	Natural selection for resistance to the allelopathic effects of invasive plants. <i>Journal of Ecology</i> , 2005, 93, 576-583.	4.0	217
88	Down Regulation of Virulence Factors of <i>Pseudomonas aeruginosa</i> by Salicylic Acid Attenuates Its Virulence on <i>Arabidopsis thaliana</i> and <i>Caenorhabditis elegans</i> . <i>Infection and Immunity</i> , 2005, 73, 5319-5328.	2.2	173
89	Biochemical and physiological mechanisms mediated by allelochemicals. <i>Current Opinion in Plant Biology</i> , 2004, 7, 472-479.	7.1	578
90	Phytotoxic and Antimicrobial Activities of Catechin Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 1077-1082.	5.2	109

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91	How plants communicate using the underground information superhighway. Trends in Plant Science, 2004, 9, 26-32.	8.8	735
92	Intraspecific and Interspecific Interactions Mediated by a Phytotoxin, (â€“)Catechin, Secreted by the Roots of Centaurea maculosa (Spotted Knapweed). Journal of Chemical Ecology, 2003, 29, 2397-2412.	1.8	89
93	RAPD-PCR Analysis of Genetic Variation among Isolates of Alternaria solani and Alternaria alternata from Potato and Tomato. Mycologia, 1998, 90, 813.	1.9	57
94	RAPD-PCR analysis of genetic variation among isolates of <i>Alternaria solani</i> and <i>Alternaria alternata</i> from potato and tomato. Mycologia, 1998, 90, 813-821.	1.9	64
95	Effect of pulse consumption on obesity and the metagenome. , 0, , .		1
96	Root Exudation and Rhizosphere Biology: Multiple Functions of a Plant Secondary Metabolite. , 0, , 403-420.		0