Elizabeth P Ryan

List of Publications by Citations

82 papers	3,889 citations	30 h-index	62 g-index
89 ext. papers	4,770 ext. citations	5 avg, IF	5.15 L-index

#	Paper	IF	Citations
82	Immune evasion in cancer: Mechanistic basis and therapeutic strategies. *Seminars in Cancer Biology*, **2015**, 35 Suppl, S185-S198	12.7	738
81	Stool microbiome and metabolome differences between colorectal cancer patients and healthy adults. *PLoS ONE*, **2013**, 8, e70803	3.7	407
80	A gnotobiotic mouse model demonstrates that dietary fiber protects against colorectal tumorigenesis in a microbiota- and butyrate-dependent manner. *Cancer Discovery*, **2014**, 4, 1387-97	24.4	256
79	Designing a broad-spectrum integrative approach for cancer prevention and treatment. *Seminars in Cancer Biology*, **2015**, 35 Suppl, S276-S304	12.7	179
78	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. *Carcinogenesis*, **2015**, 36 Suppl 1, S254-96	4.6	176
77	Environmental immune disruptors, inflammation and cancer risk. *Carcinogenesis*, **2015**, 36 Suppl 1, S232-53	4.6	137
76	Metabolomics and metabolic pathway networks from human colorectal cancers, adjacent mucosa, and stool. *Cancer & Metabolism*, **2016**, 4, 11	5.4	126
75	Chemopreventive properties of dietary rice bran: current status and future prospects. *Advances in Nutrition*, **2012**, 3, 643-53	10	120
74	Rice bran fermented with saccharomyces boulardii generates novel metabolite profiles with bioactivity. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 1862-70	5.7	86
73	Activated human B lymphocytes express cyclooxygenase-2 and cyclooxygenase inhibitors attenuate antibody production. *Journal of Immunology*, **2005**, 174, 2619-26	5.3	76
72	Utilizing Paper-Based Devices for Antimicrobial-Resistant Bacteria Detection. *Angewandte Chemie - International Edition*, **2017**, 56, 6886-6890	16.4	74
71	Bioactive food components and health properties of rice bran. *Journal of the American Veterinary Medical Association*, **2011**, 238, 593-600	1	71
70	Fermented foods: patented approaches and formulations for nutritional supplementation and health promotion. *Recent Patents on Food, Nutrition & Agriculture*, **2012**, 4, 134-40	1.9	67
69	Fermented Camellia sinensis, Fu Zhuan Tea, regulates hyperlipidemia and transcription factors involved in lipid catabolism. *Food Research International*, **2011**, 44, 2999-3005	7	65
68	Metabolomic and functional genomic analyses reveal varietal differences in bioactive compounds of cooked rice. *PLoS ONE*, **2010**, 5, e12915	3.7	61
67	Optimization of murine small intestine leukocyte isolation for global immune phenotype analysis. *Journal of Immunological Methods*, **2014**, 405, 97-108	2.5	60
66	Pilot dietary intervention with heat-stabilized rice bran modulates stool microbiota and metabolites in healthy adults. *Nutrients*, **2015**, 7, 1282-300	6.7	57

65	Dietary supplementation with rice bran or navy bean alters gut bacterial metabolism in colorectal cancer survivors. *Molecular Nutrition and Food Research*, **2017**, 61, 1500905	5.9	56
64	Environmental toxicants may modulate osteoblast differentiation by a mechanism involving the aryl hydrocarbon receptor. *Journal of Bone and Mineral Research*, **2007**, 22, 1571-80	6.3	56
63	Rice varietal differences in bioactive bran components for inhibition of colorectal cancer cell growth. *Food Chemistry*, **2013**, 141, 1545-52	8.5	54
62	Antibacterial activity and phytochemical profile of fermented Camellia sinensis (fuzhuan tea). *Food Research International*, **2013**, 53, 945-949	7	44
61	Consumption of rice bran increases mucosal immunoglobulin A concentrations and numbers of intestinal Lactobacillus spp. *Journal of Medicinal Food*, **2012**, 15, 469-75	2.8	43
60	Rice Bran Metabolome Contains Amino Acids, Vitamins & Cofactors, and Phytochemicals with Medicinal and Nutritional Properties. *Rice*, **2017**, 10, 24	5.8	42
59	Dietary rice bran promotes resistance to Salmonella enterica serovar Typhimurium colonization in mice. *BMC Microbiology*, **2012**, 12, 71	4.5	42
58	High protective efficacy of rice bran against human rotavirus diarrhea via enhancing probiotic growth, gut barrier function, and innate immunity. *Scientific Reports*, **2015**, 5, 15004	4.9	40
57	Cyclooxygenase-2 inhibition attenuates antibody responses against human papillomavirus-like particles. *Journal of Immunology*, **2006**, 177, 7811-9	5.3	37
56	A Randomized Controlled Trial to Increase Navy Bean or Rice Bran Consumption in Colorectal Cancer Survivors. *Nutrition and Cancer*, **2016**, 68, 1269-1280	2.8	37
55	Evaluation of diversity among common beans (Phaseolus vulgaris L.) from two centers of domestication using 'omics' technologies. *BMC Genomics*, **2010**, 11, 686	4.5	34
54	A Comparative Study of Serum Biochemistry, Metabolome and Microbiome Parameters of Clinically Healthy, Normal Weight, Overweight, and Obese Companion Dogs. *Topics in Companion Animal Medicine*, **2018**, 33, 126-135	1.1	33
53	Behavioral interventions in treating anticipatory nausea and vomiting. *Journal of the National Comprehensive Cancer Network: JNCCN*, **2007**, 5, 44-50	7.3	33
52	Antimicrobial-Resistant from Environmental Waters in Northern Colorado. *Journal of Environmental and Public Health*, **2019**, 2019, 3862949	2.6	30
51	High Protective Efficacy of Probiotics and Rice Bran against Human Norovirus Infection and Diarrhea in Gnotobiotic Pigs. *Frontiers in Microbiology*, **2016**, 7, 1699	5.7	30
50	Heat-stabilised rice bran consumption by colorectal cancer survivors modulates stool metabolite profiles and metabolic networks: a randomised controlled trial. *British Journal of Nutrition*, **2017**, 117, 1244-1256	3.6	28
49	Dietary rice bran supplementation prevents Salmonella colonization differentially across varieties and by priming intestinal immunity. *Journal of Functional Foods*, **2015**, 18, 653-664	5.1	26
48	Climate change through a gendered lens: Examining livestock holder food security. *Global Food Security*, **2015**, 6, 1-8	8.3	25

47	Effects of dietary cooked navy bean on the fecal microbiome of healthy companion dogs. *PLoS ONE* , **2013**, 8, e74998	3.7	25
46	Cyclooxygenase-2 independent effects of cyclooxygenase-2 inhibitors on oxidative stress and intracellular glutathione content in normal and malignant human B-cells. *Cancer Immunology, Immunotherapy*, **2008**, 57, 347-58	7.4	23
45	Constitutive and activation-inducible cyclooxygenase-2 expression enhances survival of chronic lymphocytic leukemia B cells. *Clinical Immunology*, **2006**, 120, 76-90	9	23
44	The Role of Urban Agriculture in a Secure, Healthy, and Sustainable Food System. *BioScience*, **2018**, 68, 748-759	5.7	21
43	Rice bran supplementation modulates growth, microbiota and metabolome in weaning infants: a clinical trial in Nicaragua and Mali. *Scientific Reports*, **2019**, 9, 13919	4.9	20
42	Advances in Nutritional Metabolomics. *Current Metabolomics*, **2013**, 1, 109-120	1	20
41	Navy Beans Impact the Stool Metabolome and Metabolic Pathways for Colon Health in Cancer Survivors. *Nutrients*, **2018**, 11,	6.7	20
40	Navy Bean and Rice Bran Intake Alters the Plasma Metabolome of Children at Risk for Cardiovascular Disease. *Frontiers in Nutrition*, **2017**, 4, 71	6.2	18
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. *PLoS ONE*, **2018**, 13, e0207002	3.7	17
38	Human colon function ex vivo: Dependence on oxygen and sensitivity to antibiotic. *PLoS ONE*, **2019**, 14, e0217170	3.7	16
37	Lactobacillus paracasei metabolism of rice bran reveals metabolome associated with Salmonella Typhimurium growth reduction. *Journal of Applied Microbiology*, **2017**, 122, 1639-1656	4.7	15
36	Rice Bran and Probiotics Alter the Porcine Large Intestine and Serum Metabolomes for Protection against Human Rotavirus Diarrhea. *Frontiers in Microbiology*, **2017**, 8, 653	5.7	15
35	An organotypic slice model for ex vivo study of neural, immune, and microbial interactions of mouse intestine. *American Journal of Physiology - Renal Physiology*, **2016**, 310, G240-8	5.1	15
34	Comparative Rice Bran Metabolomics across Diverse Cultivars and Functional Rice Gene?Bran Metabolite Relationships. *Metabolites*, **2018**, 8,	5.6	15
33	Differential effects of rice bran cultivars to limit Salmonella Typhimurium in chicken cecal in vitro incubations and impact on the cecal microbiome and metabolome. *PLoS ONE*, **2017**, 12, e0185002	3.7	14
32	An Exposome Perspective on Environmental Enteric Dysfunction. *Environmental Health Perspectives* , **2016**, 124, 1121-6	8.4	14
31	A Pilot Randomized Controlled Clinical Trial to Assess Tolerance and Efficacy of Navy Bean and Rice Bran Supplementation for Lowering Cholesterol in Children. *Global Pediatric Health*, **2017**, 4, 2333794X17694231	1.2	13
30	Rice Bran **2014**, 301-310		13

29	Feasibility of Increased Navy Bean Powder Consumption for Primary and Secondary Colorectal Cancer Prevention. *Current Nutrition and Food Science*, **2014**, 10, 112-119	0.7	13
28	A longitudinal SARS-CoV-2 biorepository for COVID-19 survivors with and without post-acute sequelae. *BMC Infectious Diseases*, **2021**, 21, 677	4	11
27	The Nutrient and Metabolite Profile of 3 Complementary Legume Foods with Potential to Improve Gut Health in Rural Malawian Children. *Current Developments in Nutrition*, **2017**, 1, e001610	0.4	10
26	Modulation of plasma and urine metabolome in colorectal cancer survivors consuming rice bran. *Integrative Food, Nutrition and Metabolism*, **2019**, 6,	1.9	9
25	Connecting Urban Food Plans to the Countryside: Leveraging Denver Food Vision to Explore Meaningful Rural Urban Linkages. *Sustainability*, **2019**, 11, 2022	3.6	9
24	Utilizing Paper-Based Devices for Antimicrobial-Resistant Bacteria Detection. *Angewandte Chemie*, **2017**, 129, 6990-6994	3.6	8
23	Impact of oral probiotic Lactobacillus acidophilus vaccine strains on the immune response and gut microbiome of mice. *PLoS ONE*, **2019**, 14, e0225842	3.7	8
22	Dietary Rice Bran-Modified Human Gut Microbial Consortia Confers Protection against Colon Carcinogenesis Following Fecal Transfaunation. *Biomedicines*, **2021**, 9,	4.8	7
21	Comprehensive Immune Profiling Reveals CD56 Monocytes and CD31 Endothelial Cells Are Increased in Severe COVID-19 Disease.. *Journal of Immunology*, **2022**,	5.3	6
20	Metabolite profile comparisons between ascending and descending colon tissue in healthy adults. *World Journal of Gastroenterology*, **2020**, 26, 335-352	5.6	5
19	Microbiome, Breastfeeding and Public Health Policy in the United States: The Case for Dietary Fiber. *Nutrition and Metabolic Insights*, **2019**, 12, 1178638819869597	1.9	3
18	Lignans **2019**, 407-426		3
17	Multiresidue analysis of pesticides in urine of healthy adult companion dogs. *Environmental Science & Technology*, **2014**, 48, 14677-85	10.3	3
16	Quality of Life (QoL) Is Reduced in Those with Severe COVID-19 Disease, Post-Acute Sequelae of COVID-19, and Hospitalization in United States Adults from Northern Colorado. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	3
15	Rice Bran and Quercetin Produce a Positive Synergistic Effect on Human Gut Microbiota, Elevate the Level of Propionate, and Reduce the Population of Enterobacteriaceae family when Determined using a Bioreactor Model		3
14	Assessing Community Readiness to Reduce Childhood Diarrheal Disease and Improve Food Security in Dioro, Mali. *International Journal of Environmental Research and Public Health*, **2016**, 13,	4.6	3
13	Metabolomics of Pigmented Rice Coproducts Applying Conventional or Deep Eutectic Extraction Solvents Reveal a Potential Antioxidant Source for Human Nutrition. *Metabolites*, **2021**, 11,	5.6	3
12	Effect of prebiotic supplementation with stabilized rice bran in milk of pre-weaned organic Holstein calves. *BMC Veterinary Research*, **2019**, 15, 53	2.7	2

11	Daily Rice Bran Consumption for 6 Months Influences Serum Glucagon-Like Peptide 2 and Metabolite Profiles without Differences in Trace Elements and Heavy Metals in Weaning Nicaraguan Infants at 12 Months of Age. *Current Developments in Nutrition*, **2021**, 5, nzab101	0.4	2
10	Plasma metabolomics of children with aberrant serum lipids and inadequate micronutrient intake. *PLoS ONE*, **2018**, 13, e0205899	3.7	2
9	Plasma and Urine Metabolite Profiles Impacted by Increased Dietary Navy Bean Intake in Colorectal Cancer Survivors: A Randomized-Controlled Trial. *Cancer Prevention Research*, **2021**, 14, 497-508	3.2	1
8	Non-Targeted Metabolomics Signature in the Plasma and Bone Marrow of Patients with Long Bone Injuries. *Current Metabolomics and Systems Biology*, **2020**, 7, 51-66	0.4	1
7	Metabolomics and proteomics ofL. rhamnosusGG andE. coliNissle probiotic supernatants identify distinct pathways that mediate growth suppression of antimicrobial-resistant pathogens		1
6	Feasibility of Beans/Bran Enriching Nutritional Eating For Intestinal Health & Cancer Including Activity for Longevity: A Pilot Trial to Improve Healthy Lifestyles among Individuals at High Risk for Colorectal Cancer. *Integrative Cancer Therapies*, **2020**, 19, 1534735420967101	3	1
5	Navy and black bean-based dog foods are digestible during weight loss in overweight and obese adult companion dogs. *Journal of Applied Animal Nutrition*, **2016**, 4,	0.7	1
4	Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces Family Abundance and Elevates Propionate in a Bioreactor Model. *Frontiers in Microbiology*, **2021**, 12, 751225	5.7	1
3	Arsenic speciation in rice bran: Agronomic practices, postharvest fermentation, and human health risk assessment across the lifespan. *Environmental Pollution*, **2021**, 290, 117962	9.3	1
2	Metabolomics of Rice Bran Differentially Impacted by Fermentation With Six Probiotics Demonstrates Key Nutrient Changes for Enhancing Gut Health.. *Frontiers in Nutrition*, **2021**, 8, 795334	6.2	0
1	Non-targeted metabolomics of cooked cowpea and pigeon pea from Ghana using two distinct and complementary analytical platforms.. *Food Chemistry Molecular Sciences*, **2022**, 4, 100087	1	