Elizabeth P Ryan

List of Publications by Year
in descending order

82 papers	5,519 citations	117619 34 h-index	85537 71 g-index
89 all docs	89 docs citations	89 times ranked	9525 citing authors

#	Article	IF	Citations
1	Immune evasion in cancer: Mechanistic basis and therapeutic strategies. Seminars in Cancer Biology, 2015, 35, S185-S198.	9.6	1,122
2	Stool Microbiome and Metabolome Differences between Colorectal Cancer Patients and Healthy Adults. PLoS ONE, 2013, 8, e70803.	2.5	547
3	A Gnotobiotic Mouse Model Demonstrates That Dietary Fiber Protects against Colorectal Tumorigenesis in a Microbiota- and Butyrate-Dependent Manner. Cancer Discovery, 2014, 4, 1387-1397.	9.4	344
4	Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. Carcinogenesis, 2015, 36, S254-S296.	2.8	239
5	Designing a broad-spectrum integrative approach for cancer prevention and treatment. Seminars in Cancer Biology, 2015, 35, S276-S304.	9.6	220
6	Metabolomics and metabolic pathway networks from human colorectal cancers, adjacent mucosa, and stool. Cancer & Metabolism, 2016, 4, 11.	5.0	177
7	Environmental immune disruptors, inflammation and cancer risk. Carcinogenesis, 2015, 36, S232-S253.	2.8	168
8	Chemopreventive Properties of Dietary Rice Bran: Current Status and Future Prospects. Advances in Nutrition, 2012, 3, 643-653.	6.4	164
9	Rice Bran Fermented with Saccharomyces boulardii Generates Novel Metabolite Profiles with Bioactivity. Journal of Agricultural and Food Chemistry, 2011, 59, 1862-1870.	5.2	109
10	Utilizing Paperâ€Based Devices for Antimicrobialâ€Resistant Bacteria Detection. Angewandte Chemie - International Edition, 2017, 56, 6886-6890.	13.8	106
11	Bioactive food components and health properties of rice bran. Journal of the American Veterinary Medical Association, 2011, 238, 593-600.	0.5	99
12	Activated Human B Lymphocytes Express Cyclooxygenase-2 and Cyclooxygenase Inhibitors Attenuate Antibody Production. Journal of Immunology, 2005, 174, 2619-2626.	0.8	92
13	Fermented Foods: Patented Approaches and Formulations for Nutritional Supplementation and Health Promotion. Recent Patents on Food, Nutrition & Agriculture, 2012, 4, 134-140.	0.9	82
14	Fermented Camellia sinensis, Fu Zhuan Tea, regulates hyperlipidemia and transcription factors involved in lipid catabolism. Food Research International, 2011, 44, 2999-3005.	6.2	81
15	Dietary supplementation with rice bran or navy bean alters gut bacterial metabolism in colorectal cancer survivors. Molecular Nutrition and Food Research, 2017, 61, 1500905.	3.3	80
16	Optimization of murine small intestine leukocyte isolation for global immune phenotype analysis. Journal of Immunological Methods, 2014, 405, 97-108.	1.4	78
17	Metabolomic and Functional Genomic Analyses Reveal Varietal Differences in Bioactive Compounds of Cooked Rice. PLoS ONE, 2010, 5, e12915.	2.5	76
18	Pilot Dietary Intervention with Heat-Stabilized Rice Bran Modulates Stool Microbiota and Metabolites in Healthy Adults. Nutrients, 2015, 7, 1282-1300.	4.1	75

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19	Rice varietal differences in bioactive bran components for inhibition of colorectal cancer cell growth. Food Chemistry, 2013, 141, 1545-1552.	8.2	74
20	Rice Bran Metabolome Contains Amino Acids, Vitamins & Cofactors, and Phytochemicals with Medicinal and Nutritional Properties. Rice, 2017, 10, 24.	4.0	70
21	Dietary rice bran promotes resistance to Salmonella enterica serovar Typhimurium colonization in mice. BMC Microbiology, 2012, 12, 71.	3.3	61
22	Environmental Toxicants May Modulate Osteoblast Differentiation by a Mechanism Involving the Aryl Hydrocarbon Receptor. Journal of Bone and Mineral Research, 2007, 22, 1571-1580.	2.8	60
23	Consumption of Rice Bran Increases Mucosal Immunoglobulin A Concentrations and Numbers of IntestinalLactobacillusspp.. Journal of Medicinal Food, 2012, 15, 469-475.	1.5	59
24	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.	0.9	58
25	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.	3.3	57
26	Antibacterial activity and phytochemical profile of fermented Camellia sinensis (fuzhuan tea). Food Research International, 2013, 53, 945-949.	6.2	51
27	A Randomized Controlled Trial to Increase Navy Bean or Rice Bran Consumption in Colorectal Cancer Survivors. Nutrition and Cancer, 2016, 68, 1269-1280.	2.0	50
28	High Protective Efficacy of Probiotics and Rice Bran against Human Norovirus Infection and Diarrhea in Gnotobiotic Pigs. Frontiers in Microbiology, 2016, 7, 1699.	3.5	49
29	Antimicrobial-ResistantEscherichia colifrom Environmental Waters in Northern Colorado. Journal of Environmental and Public Health, 2019, 2019, 1-13.	0.9	48
30	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.	2.3	45
31	Behavioral Interventions in Treating Anticipatory Nausea and Vomiting. Journal of the National Comprehensive Cancer Network: JNCCN, 2007, 5, 44-50.	4.9	43
32	Evaluation of diversity among common beans (Phaseolus vulgaris L.) from two centers of domestication using 'omics' technologies. BMC Genomics, 2010, 11, 686.	2.8	42
33	Navy Beans Impact the Stool Metabolome and Metabolic Pathways for Colon Health in Cancer Survivors. Nutrients, 2019, 11, 28.	4.1	41
34	A longitudinal SARS-CoV-2 biorepository for COVID-19 survivors with and without post-acute sequelae. BMC Infectious Diseases, 2021, 21, 677.	2.9	41
35	Cyclooxygenase-2 Inhibition Attenuates Antibody Responses against Human Papillomavirus-Like Particles. Journal of Immunology, 2006, 177, 7811-7819.	0.8	39
36	Climate change through a gendered lens: Examining livestock holder food security. Global Food Security, 2015, 6, 1-8.	8.1	37

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37	The Role of Urban Agriculture in a Secure, Healthy, and Sustainable Food System. BioScience, 2018, 68, 748-759.	4.9	37
38	Effects of Dietary Cooked Navy Bean on the Fecal Microbiome of Healthy Companion Dogs. PLoS ONE, 2013, 8, e74998.	2.5	34
39	Rice bran supplementation modulates growth, microbiota and metabolome in weaning infants: a clinical trial in Nicaragua and Mali. Scientific Reports, 2019, 9, 13919.	3.3	31
40	Dietary rice bran supplementation prevents Salmonella colonization differentially across varieties and by priming intestinal immunity. Journal of Functional Foods, 2015, 18, 653-664.	3.4	29
41	Constitutive and activation-inducible cyclooxygenase-2 expression enhances survival of chronic lymphocytic leukemia B cells. Clinical Immunology, 2006, 120, 76-90.	3.2	28
42	Navy Bean and Rice Bran Intake Alters the Plasma Metabolome of Children at Risk for Cardiovascular Disease. Frontiers in Nutrition, 2017, 4, 71.	3.7	27
43	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, 11048.	2.6	27
44	Advances in Nutritional Metabolomics. Current Metabolomics, 2013, 1, 109-120.	0.5	26
45	Human colon function ex vivo: Dependence on oxygen and sensitivity to antibiotic. PLoS ONE, 2019, 14, e0217170.	2.5	26
46	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.	2.5	25
47	Comparative Rice Bran Metabolomics across Diverse Cultivars and Functional Rice Geneâ€“Bran Metabolite Relationships. Metabolites, 2018, 8, 63.	2.9	25
48	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, 347-358.	4.2	24
49	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.	2.5	23
50	Rice Bran and Probiotics Alter the Porcine Large Intestine and Serum Metabolomes for Protection against Human Rotavirus Diarrhea. Frontiers in Microbiology, 2017, 8, 653.	3.5	22
51	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, 2333794X1769423.	0.7	21
52	Modulation of plasma and urine metabolome in colorectal cancer survivors consuming rice bran. Integrative Food, Nutrition and Metabolism, 2019, 6, .	0.3	21
53	Dietary Rice Bran-Modified Human Gut Microbial Consortia Confers Protection against Colon Carcinogenesis Following Fecal Transfaunation. Biomedicines, 2021, 9, 144.	3.2	21
54	Rice Bran. , 2014, , 301-310.		20

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55	An Exposome Perspective on Environmental Enteric Dysfunction. Environmental Health Perspectives, 2016, 124, 1121-1126.	6.0	20
56	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-G248.	3.4	19
57	Lactobacillus paracaseimetabolism of rice bran reveals metabolome associated withSalmonellaTyphimurium growth reduction. Journal of Applied Microbiology, 2017, 122, 1639-1656.	3.1	18
58	Metabolomics of Pigmented Rice Coproducts Applying Conventional or Deep Eutectic Extraction Solvents Reveal a Potential Antioxidant Source for Human Nutrition. Metabolites, 2021, 11, 110.	2.9	16
59	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.	0.3	15
60	Impact of oral probiotic Lactobacillus acidophilus vaccine strains on the immune response and gut microbiome of mice. PLoS ONE, 2019, 14, e0225842.	2.5	15
61	Feasibility of Increased Navy Bean Powder Consumption for Primary and Secondary Colorectal Cancer Prevention. Current Nutrition and Food Science, 2014, 10, 112-119.	0.6	14
62	Connecting Urban Food Plans to the Countryside: Leveraging Denverâ€™s Food Vision to Explore Meaningful Ruralâ€“Urban Linkages. Sustainability, 2019, 11, 2022.	3.2	14
63	Comprehensive Immune Profiling Reveals CD56+ Monocytes and CD31+ Endothelial Cells Are Increased in Severe COVID-19 Disease. Journal of Immunology, 2022, 208, 685-696.	0.8	14
64	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.	1.5	13
65	Utilizing Paperâ€Based Devices for Antimicrobialâ€Resistant Bacteria Detection. Angewandte Chemie, 2017, 129, 6990-6994.	2.0	11
66	Metabolite profile comparisons between ascending and descending colon tissue in healthy adults. World Journal of Gastroenterology, 2020, 26, 335-352.	3.3	11
67	Arsenic speciation in rice bran: Agronomic practices, postharvest fermentation, and human health risk assessment across the lifespan. Environmental Pollution, 2021, 290, 117962.	7.5	10
68	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.	0.3	8
69	Multiresidue Analysis of Pesticides in Urine of Healthy Adult Companion Dogs. Environmental Science & Technology, 2014, 48, 14677-14685.	10.0	7
70	A Randomized Controlled Trial of Dietary Rice Bran Intake on Microbiota Diversity, Enteric Dysfunction, and Fecal Secretory IgA in Malian and Nicaraguan Infants. Journal of Nutrition, 2022, 152, 1792-1800.	2.9	7
71	Microbiome, Breastfeeding and Public Health Policy in the United States: The Case for Dietary Fiber. Nutrition and Metabolic Insights, 2019, 12, 117863881986959.	1.9	6
72	Plasma metabolomics of children with aberrant serum lipids and inadequate micronutrient intake. PLoS ONE, 2018, 13, e0205899.	2.5	5

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73	Non-Targeted Dried Blood Spot-Based Metabolomics Analysis Showed Rice Bran Supplementation Effects Multiple Metabolic Pathways during Infant Weaning and Growth in Mali. Nutrients, 2022, 14, 609.	4.1	5
74	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.	3.7	5
75	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, 571.	2.6	4
76	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, 153473542096710.	2.0	3
77	Effect of prebiotic supplementation with stabilized rice bran in milk of pre-weaned organic Holstein calves. BMC Veterinary Research, 2019, 15, 53.	1.9	2
78	Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces Enterobacteriaceae Family Abundance and Elevates Propionate in a Bioreactor Model. Frontiers in Microbiology, 2021, 12, 751225.	3.5	2
79	Nutritional and Safety Evaluation of Heat-Stabilized Rice Bran for Supplementary Feeding of Malnourished Children in Kenya. International Journal of Food Science, Nutrition and Dietetics, 0, , 226-232.	0.0	2
80	Non-targeted metabolomics of cooked cowpea (Vigna unguiculata) and pigeon pea (Cajanus cajan) from Ghana using two distinct and complementary analytical platforms. Food Chemistry Molecular Sciences, 2022, 4, 100087.	2.1	2
81	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, .	0.9	1
82	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.	0.6	1