

Rice Bran Metabolome Contains Amino Acids, Vitamins, Phytochemicals with Medicinal and Nutritional Properties

Rice

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Citation Report

#	ARTICLE	IF	CITATIONS
1	The Nutrient and Metabolite Profile of 3 Complementary Legume Foods with Potential to Improve Gut Health in Rural Malawian Children. <i>Current Developments in Nutrition</i> , 2017, 1, e001610.	0.1	15
2	Heat-stabilised rice bran consumption by colorectal cancer survivors modulates stool metabolite profiles and metabolic networks: a randomised controlled trial. <i>British Journal of Nutrition</i> , 2017, 117, 1244-1256.	1.2	45
3	Comparative Rice Bran Metabolomics across Diverse Cultivars and Functional Rice Geneâ€“Bran Metabolite Relationships. <i>Metabolites</i> , 2018, 8, 63.	1.3	25
4	Zymolytic Grain Extract (ZGE) Significantly Extends the Lifespan and Enhances the Environmental Stress Resistance of <i>Caenorhabditis elegans</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 3489.	1.8	8
5	Modulation of plasma and urine metabolome in colorectal cancer survivors consuming rice bran. <i>Integrative Food, Nutrition and Metabolism</i> , 2019, 6, .	0.3	21
6	Rice bran supplementation modulates growth, microbiota and metabolome in weaning infants: a clinical trial in Nicaragua and Mali. <i>Scientific Reports</i> , 2019, 9, 13919.	1.6	31
8	Tricin levels and expression of flavonoid biosynthetic genes in developing grains of purple and brown pericarp rice. <i>PeerJ</i> , 2019, 7, e6477.	0.9	11
9	Rice Bran Usage in Diarrhea. , 2019, , 257-263.		5
10	Bifidobacterium longum-fermented rice bran and rice bran supplementation affects the gut microbiome and metabolome. <i>Beneficial Microbes</i> , 2019, 10, 823-839.	1.0	13
11	Applications and challenges for efficient exploration of omics interventions for the enhancement of nutritional quality in rice (<i>Oryza sativa</i> L.). <i>Critical Reviews in Food Science and Nutrition</i> , 2020, 60, 3304-3320.	5.4	29
12	Cold pressed rice (<i>Oryza sativa</i>) bran oil. , 2020, , 391-403.		1
13	Weedy Rice as a Novel Gene Resource: A Genome-Wide Association Study of Anthocyanin Biosynthesis and an Evaluation of Nutritional Quality. <i>Frontiers in Plant Science</i> , 2020, 11, 878.	1.7	11
14	GCâ€“MS metabolomics revealed protocatechuic acid as a cytotoxic and apoptosis-inducing compound from black rice brans. <i>Food Science and Biotechnology</i> , 2020, 29, 825-835.	1.2	7
15	Assessment of cadmium and lead contamination in rice farming soils and rice (<i>Oryza sativa</i> L.) from Guayas province in Ecuador. <i>Environmental Pollution</i> , 2020, 260, 114050.	3.7	27
16	Distribution of δ^3 -oryzanol in the outer layers of brown rice and its variation among cultivars. <i>Plant Production Science</i> , 2021, 24, 256-265.	0.9	1
17	Non-volatile compounds and blood pressure-lowering activity of Inpari 30 and Cempo Ireng fermented and non-fermented rice bran. <i>AIMS Agriculture and Food</i> , 2021, 6, 337-359.	0.8	3
18	The effects of twenty-four nutrients and phytonutrients on immune system function and inflammation: a narrative review. <i>Journal of Clinical and Translational Research</i> , 0, , .	0.3	9
20	Antioxidant compounds from rice bran fermentation by lactic acid bacteria. <i>AIMS Agriculture and Food</i> , 2021, 6, 578-287.	0.8	8

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21	Advanced Metabolomics for Metabolic Syndrome/Metabolic Diseases. , 2021, , 593-609.		0
22	The genetics underlying metabolic signatures in a brown rice diversity panel and their vital role in human nutrition. <i>Plant Journal</i> , 2021, 106, 507-525.	2.8	22
23	Data processing strategies for non-targeted analysis of foods using liquid chromatography/high-resolution mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 136, 116188.	5.8	36
24	Study of Antioxidant, Antiproliferative and DNA Damage Protecting Activities of Cinnamomum cassia Extracts Obtained by Sequential Extraction. <i>Recent Patents on Food, Nutrition & Agriculture</i> , 2021, 12, 45-57.	0.5	0
25	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. <i>Current Developments in Nutrition</i> , 2021, 5, nzab101.	0.1	8
26	Phytosomes as an Emerging Nanotechnology Platform for the Topical Delivery of Bioactive Phytochemicals. <i>Pharmaceutics</i> , 2021, 13, 1475.	2.0	69
27	Positive Synergistic Effects of Quercetin and Rice Bran on Human Gut Microbiota Reduces Enterobacteriaceae Family Abundance and Elevates Propionate in a Bioreactor Model. <i>Frontiers in Microbiology</i> , 2021, 12, 751225.	1.5	2
28	Mechanism of rice bran lipase inhibition through fermentation activity of probiotic bacteria. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5841-5848.	1.8	2
30	Plasma and Urine Metabolite Profiles Impacted by Increased Dietary Navy Bean Intake in Colorectal Cancer Survivors: A Randomized-Controlled Trial. <i>Cancer Prevention Research</i> , 2021, 14, 497-508.	0.7	13
31	Promoting Human Nutrition and Health through Plant Metabolomics: Current Status and Challenges. <i>Biology</i> , 2021, 10, 20.	1.3	18
32	A Short Review: Bioactivity of Fermented Rice Bran. <i>Journal of Oleo Science</i> , 2021, 70, 1565-1574.	0.6	2
34	A Comparative Assessment of Quality Features and Physicochemical Characteristics of Rice Bran Supplemented Breads with Local Breads. <i>European Journal of Nutrition & Food Safety</i> , 0, , 108-113.	0.2	0
35	Rice wastes for green production and sustainable nanomaterials: An overview. , 2022, , 707-728.		6
36	Metabolomics for Rice Grain Quality. , 2020, , 495-531.		1
37	The effects of twenty-four nutrients and phytonutrients on immune system function and inflammation: A narrative review. <i>Journal of Clinical and Translational Research</i> , 2021, 7, 333-376.	0.3	6
38	The effects of twenty-one nutrients and phytonutrients on cognitive function: A narrative review. <i>Journal of Clinical and Translational Research</i> , 2021, 7, 575-620.	0.3	5
39	Non-Targeted Dried Blood Spot-Based Metabolomics Analysis Showed Rice Bran Supplementation Effects Multiple Metabolic Pathways during Infant Weaning and Growth in Mali. <i>Nutrients</i> , 2022, 14, 609.	1.7	5
40	Phenolic Rich Extract Of Finger Millet Bran Attenuates Lung Inflammation And Fibrosis In A Mouse Model Of Ovalbumin Induced Asthma. <i>International Journal of Pharma and Bio Sciences</i> , 2022, 12, 238-246.	0.1	0

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41	Metabolomics of Rice Bran Differentially Impacted by Fermentation With Six Probiotics Demonstrates Key Nutrient Changes for Enhancing Gut Health. <i>Frontiers in Nutrition</i> , 2021, 8, 795334.	1.6	5
42	Combined Role of Fe Nanoparticles (Fe NPs) and <i>Staphylococcus aureus</i> L. in the Alleviation of Chromium Stress in Rice Plants. <i>Life</i> , 2022, 12, 338.	1.1	17
43	Natural Variation in Vitamin B1 and Vitamin B6 Contents in Rice Germplasm. <i>Frontiers in Plant Science</i> , 2022, 13, 856880.	1.7	5
44	A Randomized Controlled Trial of Dietary Rice Bran Intake on Microbiota Diversity, Enteric Dysfunction, and Fecal Secretory IgA in Malian and Nicaraguan Infants. <i>Journal of Nutrition</i> , 2022, 152, 1792-1800.	1.3	7
48	Stachydrine derived from fermented rice prevents diet-induced obesity by regulating adipin and endoplasmic reticulum homeostasis. <i>Journal of Nutritional Biochemistry</i> , 2022, 107, 109036.	1.9	7
49	Analysis of Related Metabolites Affecting Taste Values in Rice under Different Nitrogen Fertilizer Amounts and Planting Densities. <i>Foods</i> , 2022, 11, 1508.	1.9	9
50	A Review: Cereals on Modulating the Microbiota/Metabolome for Metabolic Health. <i>Current Nutrition Reports</i> , 2022, 11, 371-385.	2.1	3
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52	Rice bran extract as an alternative nutritional supplement for <i>Kluyveromyces marxianus</i> . <i>Biomass Conversion and Biorefinery</i> , 0, , .	2.9	1
53	Nontargeted and Targeted Metabolomics Identifies Dietary Exposure Biomarkers for Navy Bean and Rice Bran Consumption in Children and Adults. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 14531-14543.	2.4	1
54	Immunomodulatory, Anticancer, and Antimicrobial Effects of Rice Bran Grown in Iraq: An In Vitro and In Vivo Study. <i>Pharmaceuticals</i> , 2022, 15, 1502.	1.7	2
55	Rice Bran Lipidome Identifies Novel Phospholipids, Glycolipids and Oxylipins with Roles in Lipid Metabolism of Hypercholesterolemic Children. <i>Molecular Nutrition and Food Research</i> , 0, , 2200111.	1.5	1
57	Effects of Riceberry Rice Bran Oil Supplementation on Oxidative Stress and Cardiovascular Risk Biomarkers in Older Adults with Prehypertension. <i>Preventive Nutrition and Food Science</i> , 2022, 27, 365-375.	0.7	0
58	Plasma, urine, and stool metabolites in response to dietary rice bran and navy bean supplementation in adults at high-risk for colorectal cancer. , 0, 2, .		2
59	Composition, Microbiota, Mechanisms, and Anti-Obesity Properties of Rice Bran. <i>Foods</i> , 2023, 12, 1300.	1.9	5
60	Integrated Microbiota and Metabolite Changes following Rice Bran Intake during Murine Inflammatory Colitis-Associated Colon Cancer and in Colorectal Cancer Survivors. <i>Cancers</i> , 2023, 15, 2231.	1.7	1
61	The effects of rice bran supplementation for management of blood lipids: A GRADE-assessed systematic review, dose-response meta-analysis, and meta-regression of randomized controlled trials. <i>Systematic Reviews</i> , 2023, 12, .	2.5	0