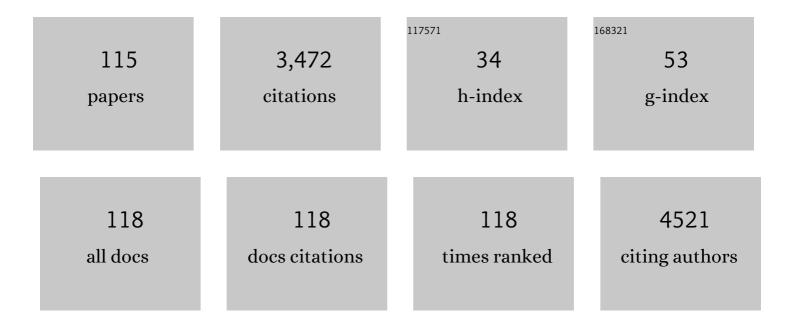
Hitoshi Shirakawa

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4707295/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Fermented rice bran supplementation attenuates chronic colitis-associated extraintestinal manifestations in female C57BL/6N mice. Journal of Nutritional Biochemistry, 2022, 99, 108855.	1.9	10
2	Effects of dietary vitamin K ₃ supplementation on vitamin K ₁ and K ₂ (menaquinone) dynamics in dairy cows. Animal Science Journal, 2022, 93, e13680.	0.6	4
3	Effect of vitamin K3 supplementation on immunoglobulin G concentration in colostrum of periparturient Holstein dairy cows. Animal Science Journal, 2022, 93, e13706.	0.6	2
4	Effects of the Water Extract of Fermented Rice Bran on Liver Damage and Intestinal Injury in Aged Rats with High-Fat Diet Feeding. Plants, 2022, 11, 607.	1.6	5
5	The Volatile Compounds and Aroma Description in Various Rhizopus oligosporus Solid-State Fermented and Nonfermented Rice Bran. Fermentation, 2022, 8, 120.	1.4	8
6	The Volatile Compounds and Aroma Profile of Some Pigmented Rice Brans After Fermentation. Current Research in Nutrition and Food Science, 2022, 10, 145-170.	0.3	0
7	Physiological roles of tryptophan decarboxylase revealed by overexpression of SITDC1 in tomato. Scientia Horticulturae, 2021, 275, 109672.	1.7	17
8	Non-volatile compounds and blood pressure-lowering activity of Inpari 30 and Cempo Ireng fermented and non-fermented rice bran. AIMS Agriculture and Food, 2021, 6, 337-359.	0.8	3
9	Complementary effects of pine bark extract supplementation on inattention, impulsivity, and antioxidative status in children with attentionâ€deficit hyperactivity disorder: A doubleâ€blinded randomized placeboâ€controlled crossâ€over study. Phytotherapy Research, 2021, 35, 3226-3235.	2.8	3
10	In vivo emergence of beige-like fat in chickens as physiological adaptation to cold environments. Amino Acids, 2021, 53, 381-393.	1.2	6
11	S-allyl Cysteine Enhances Testosterone Production in Mice and Mouse Testis-Derived I-10 Cells. Molecules, 2021, 26, 1697.	1.7	3
12	Volatile Compounds, Sensory Profile and Phenolic Compounds in Fermented Rice Bran. Plants, 2021, 10, 1073.	1.6	10
13	Effect of Vitamin K-Mediated PXR Activation on Drug-Metabolizing Gene Expression in Human Intestinal Carcinoma LS180 Cell Line. Nutrients, 2021, 13, 1709.	1.7	8
14	Fermented Rice Bran Supplementation Prevents the Development of Intestinal Fibrosis Due to DSS-Induced Inflammation in Mice. Nutrients, 2021, 13, 1869.	1.7	15
15	The Bioactivity of Indonesian Fermented Rice Bran. Current Developments in Nutrition, 2021, 5, 573.	0.1	0
16	The Role of Vitamin K in Cholestatic Liver Disease. Nutrients, 2021, 13, 2515.	1.7	11
17	The Prophylactic Effects of Glutamine on Muscle Protein Synthesis and Degradation in Rats with Ethanol-Induced Liver Damage. Nutrients, 2021, 13, 2788.	1.7	6
18	Geranylgeraniol Inhibits Lipopolysaccharide-Induced Inflammation in Mouse-Derived MG6 Microglial Cells via NF-κB Signaling Modulation. International Journal of Molecular Sciences, 2021, 22, 10543.	1.8	3

#	Article	IF	CITATIONS
19	Synbiotics Alleviate Hepatic Damage, Intestinal Injury and Muscular Beclin-1 Elevation in Rats after Chronic Ethanol Administration. International Journal of Molecular Sciences, 2021, 22, 12547.	1.8	5
20	Fish oil up-regulates hepatic autophagy in rats with chronic ethanol consumption. Journal of Nutritional Biochemistry, 2020, 77, 108314.	1.9	5
21	Impacts of fish oil on the gut microbiota of rats with alcoholic liver damage. Journal of Nutritional Biochemistry, 2020, 86, 108491.	1.9	15
22	Cysteine Sulfoxides Enhance Steroid Hormone Production via Activation of the Protein Kinase A Pathway in Testis-Derived I-10 Tumor Cells. Molecules, 2020, 25, 4694.	1.7	9
23	Supplementation with Fermented Rice Bran Attenuates Muscle Atrophy in a Diabetic Rat Model. Nutrients, 2020, 12, 2409.	1.7	11
24	Beneficial Effects of Vitamin K Status on Glycemic Regulation and Diabetes Mellitus: A Mini-Review. Nutrients, 2020, 12, 2485.	1.7	18
25	The Effect of Liver Hydrolysate on Chronic Ethanol-Induced Hepatic Injury in Normal Rats. Biological and Pharmaceutical Bulletin, 2020, 43, 554-557.	0.6	5
26	Resveratrol and its Related Polyphenols Contribute to the Maintenance of Genome Stability. Scientific Reports, 2020, 10, 5388.	1.6	24
27	Emerging Roles of Nutraceuticals from Selected Fermented Foods in Lifestyle-Related Disease Prevention. , 2020, , 479-488.		Ο
28	Rice Bran Reduces Weight Gain and Modulates Lipid Metabolism in Rats with High-Energy-Diet-Induced Obesity. Nutrients, 2019, 11, 2033.	1.7	23
29	Geranylgeraniol Suppresses the Expression of IRAK1 and TRAF6 to Inhibit NFI®B Activation in Lipopolysaccharide-Induced Inflammatory Responses in Human Macrophage-Like Cells. International Journal of Molecular Sciences, 2019, 20, 2320.	1.8	22
30	Menaquinone-4 Suppresses Lipopolysaccharide-Induced Inflammation in MG6 Mouse Microglia-Derived Cells by Inhibiting the NF-κB Signaling Pathway. International Journal of Molecular Sciences, 2019, 20, 2317.	1.8	27
31	Fermented rice bran extract improves blood pressure and glucose in stroke-prone spontaneously hypertensive rats. Nutrition and Food Science, 2019, 49, 844-853.	0.4	14
32	Menaquinone-4 Amplified Glucose-Stimulated Insulin Secretion in Isolated Mouse Pancreatic Islets and INS-1 Rat Insulinoma Cells. International Journal of Molecular Sciences, 2019, 20, 1995.	1.8	12
33	Rat-derived feeder cells immortalized by expression of mutant CDK4, cyclin D, and telomerase can support stem cell growth. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 945-956.	1.9	18
34	Development of Rice Bran Functional Food and Evaluation of Its Healthful Properties. , 2019, , 183-206.		3
35	A novel function of geranylgeraniol in regulating testosterone production. Bioscience, Biotechnology and Biochemistry, 2018, 82, 956-962.	0.6	30
36	Intermolecular hydrogen bond stretching vibrations observed in terahertz spectra of crystalline vitamins. CrystEngComm, 2018, 20, 1960-1969.	1.3	20

#	Article	IF	CITATIONS
37	Adenosine and adenosine-5′-monophosphate ingestion ameliorates abnormal glucose metabolism in mice fed a high-fat diet. BMC Complementary and Alternative Medicine, 2018, 18, 304.	3.7	5
38	Orexigenic action of oral zinc: metabolomic analysis in the rat hypothalamus. Bioscience, Biotechnology and Biochemistry, 2018, 82, 2168-2175.	0.6	6
39	Zinc deficiency causes delayed ATP clearance and adenosine generation in rats and cell culture models. Communications Biology, 2018, 1, 113.	2.0	34
40	The Function of Geranylgeraniol. Oleoscience, 2018, 18, 99-106.	0.0	1
41	Effects of Vitamin K2 on the Expression of Genes Involved in Bile Acid Synthesis and Glucose Homeostasis in Mice with Humanized PXR. Nutrients, 2018, 10, 982.	1.7	27
42	Development of novel silanol-based human pregnane X receptor (PXR) agonists with improved receptor selectivity. Bioorganic and Medicinal Chemistry, 2018, 26, 4493-4501.	1.4	7
43	Inhibitory effects of Kaempferia parviflora extract on monocyte adhesion and cellular reactive oxygen species production in human umbilical vein endothelial cells. European Journal of Nutrition, 2017, 56, 949-964.	1.8	26
44	Dietary tryptophan alleviates dextran sodium sulfate-induced colitis through aryl hydrocarbon receptor in mice. Journal of Nutritional Biochemistry, 2017, 42, 43-50.	1.9	155
45	Temperature Dependence in the Terahertz Spectrum of Nicotinamide: Anharmonicity and Hydrogen-Bonded Network. Journal of Physical Chemistry A, 2017, 121, 2558-2564.	1.1	23
46	Genotyping Analysis of Bitter-Taste Receptor Genes <i>TAS2R38</i> and <i>TAS2R46</i> in Japanese Patients with Gastrointestinal Cancers. Journal of Nutritional Science and Vitaminology, 2017, 63, 148-154.	0.2	27
47	Menaquinoneâ€4 Enhances Steroidogenesis in Testis Derived Tumor Cells Via the Elevation of cAMP Level. , 2017, , .		0
48	Dietary Supplementation of Fermented Rice Bran Effectively Alleviates Dextran Sodium Sulfate-Induced Colitis in Mice. Nutrients, 2017, 9, 747.	1.7	59
49	Effect of Kaempferia parviflora extract and its polymethoxyflavonoid components on testosterone production in mouse testis-derived tumour cells. Journal of Functional Foods, 2016, 26, 529-538.	1.6	11
50	Fermented rice bran supplementation mitigates metabolic syndrome in stroke-prone spontaneously hypertensive rats. BMC Complementary and Alternative Medicine, 2016, 16, 442.	3.7	39
51	Geranylgeraniol enhances testosterone production via the cAMP/protein kinase A pathway in testis-derived I-10 tumor cells. Bioscience, Biotechnology and Biochemistry, 2016, 80, 791-797.	0.6	21
52	Simultaneous analysis of serotonin, tryptophan and tryptamine levels in common fresh fruits and vegetables in Japan using fluorescence HPLC. Food Bioscience, 2016, 13, 56-59.	2.0	52
53	Altered activity profile of a tertiary silanol analog of multi-targeting nuclear receptor modulator T0901317. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 1817-1820.	1.0	11
54	Properties of Zip4 accumulation during zinc deficiency and its usefulness to evaluate zinc status: a study of the effects of zinc deficiency during lactation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R459-R468.	0.9	33

#	Article	IF	CITATIONS
55	Serotonin Improves High Fat Diet Induced Obesity in Mice. PLoS ONE, 2016, 11, e0147143.	1.1	45
56	Processed soymilk effectively ameliorates blood pressure elevation in spontaneously hypertensive rats. Journal of Functional Foods, 2015, 14, 126-132.	1.6	7
57	Systematic synthesis and anti-inflammatory activity of ω-carboxylated menaquinone derivatives—Investigations on identified and putative vitamin K2 metabolites. Bioorganic and Medicinal Chemistry, 2015, 23, 2344-2352.	1.4	31
58	Fermented barley extract supplementation ameliorates metabolic state in stroke-prone spontaneously hypertensive rats. Bioscience, Biotechnology and Biochemistry, 2015, 79, 1876-1883.	0.6	9
59	Conversion of Menaquinone-4 in Animal Organs and its Functions. Oleoscience, 2014, 14, 547-553.	0.0	4
60	Deletion of Hypoxia-Inducible Factor-1α in Adipocytes Enhances Glucagon-Like Peptide-1 Secretion and Reduces Adipose Tissue Inflammation. PLoS ONE, 2014, 9, e93856.	1.1	54
61	Impact of fasting time on hepatic lipid metabolism in nutritional animal studies. Bioscience, Biotechnology and Biochemistry, 2014, 78, 1584-1591.	0.6	42
62	Identification and evaluation of anti-inflammatory compounds from <i>Kaempferia parviflora</i> . Bioscience, Biotechnology and Biochemistry, 2014, 78, 851-860.	0.6	35
63	Dietary supplementation with geranylgeraniol suppresses lipopolysaccharide-induced inflammation via inhibition of nuclear factor-l ^e B activation in rats. European Journal of Nutrition, 2013, 52, 1191-1199.	1.8	32
64	The aryl hydrocarbon receptor and glucocorticoid receptor interact to activate human metallothionein 2A. Toxicology and Applied Pharmacology, 2013, 273, 90-99.	1.3	37
65	Lupeol Supplementation Improves Blood Pressure and Lipid Metabolism Parameters in Stroke-Prone Spontaneously Hypertensive Rats. Bioscience, Biotechnology and Biochemistry, 2012, 76, 183-185.	0.6	20
66	Behavioral Analysis ofDrosophilaTransformants Expressing Human Taste Receptor Genes in the Gustatory Receptor Neurons. Journal of Neurogenetics, 2012, 26, 198-205.	0.6	3
67	Administration of biotin prevents the development of insulin resistance in the skeletal muscles of Otsuka Long-Evans Tokushima fatty rats. Food and Function, 2012, 3, 414.	2.1	17
68	Physiological Effects and Tissue Distribution from Large Doses of Tocotrienol in Rats. Bioscience, Biotechnology and Biochemistry, 2012, 76, 1805-1808.	0.6	12
69	Dietary vitamin K alleviates the reduction in testosterone production induced by lipopolysaccharide administration in rat testis. Food and Function, 2011, 2, 406.	2.1	12
70	Fermented Barley Extract Supplementation Maintained Antioxidative Defense Suppressing Lipopolysaccharide-Induced Inflammatory Liver Injury in Rats. Bioscience, Biotechnology and Biochemistry, 2011, 75, 1971-1976.	0.6	30
71	Novel Effect of Adenosine 5′-Monophosphate on Ameliorating Hypertension and the Metabolism of Lipids and Glucose in Stroke-Prone Spontaneously Hypertensive Rats. Journal of Agricultural and Food Chemistry, 2011, 59, 13238-13245.	2.4	11
72	Menaquinone-4 enhances testosterone production in rats and testis-derived tumor cells. Lipids in Health and Disease, 2011, 10, 158.	1.2	40

#	Article	IF	CITATIONS
73	Regulation of blood pressure and glucose metabolism induced by L-tryptophan in stroke-prone spontaneously hypertensive rats. Nutrition and Metabolism, 2011, 8, 45.	1.3	27
74	Anti-metabolic syndrome effects of adenosine ingestion in stroke-prone spontaneously hypertensive rats fed a high-fat diet. British Journal of Nutrition, 2010, 104, 48-55.	1.2	122
75	Vitamin K suppresses the lipopolysaccharide-induced expression of inflammatory cytokines in cultured macrophage-like cells via the inhibition of the activation of nuclear factor ΰB through the repression of IKKα/β phosphorylation. Journal of Nutritional Biochemistry, 2010, 21, 1120-1126.	1.9	129
76	Absorption and Effectiveness of Orally Administered Low Molecular Weight Collagen Hydrolysate in Rats. Journal of Agricultural and Food Chemistry, 2010, 58, 835-841.	2.4	140
77	Reduction of Blood Pressure by Soybean Saponins, Renin Inhibitors from Soybean, in Spontaneously Hypertensive Rats. Bioscience, Biotechnology and Biochemistry, 2010, 74, 2310-2312.	0.6	36
78	Extract of fermented barley attenuates chronic alcohol induced liver damage by increasing antioxidative activities. Food Research International, 2010, 43, 118-124.	2.9	46
79	Yamabushitake Mushroom (<i>Hericium erinaceus</i>) Improved Lipid Metabolism in Mice Fed a High-Fat Diet. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1447-1451.	0.6	43
80	Orally Administered Zinc Increases Food Intake via Vagal Stimulation in Rats. Journal of Nutrition, 2009, 139, 611-616.	1.3	37
81	The nucleosomal binding protein NSBP1 is highly expressed in the placenta and modulates the expression of differentiation markers in placental Rchoâ€1 cells. Journal of Cellular Biochemistry, 2009, 106, 651-658.	1.2	14
82	Occurrence, properties, and applications of feruloyl esterases. Applied Microbiology and Biotechnology, 2009, 84, 803-810.	1.7	97
83	Adenosine, an Identified Active Component from the Driselase-Treated Fraction of Rice Bran, Is Effective at Improving Metabolic Syndrome in Stroke-Prone Spontaneously Hypertensive Rats. Journal of Agricultural and Food Chemistry, 2009, 57, 2558-2564.	2.4	21
84	Low-dose dioxins alter gene expression related to cholesterol biosynthesis, lipogenesis, and glucose metabolism through the aryl hydrocarbon receptor-mediated pathway in mouse liver. Toxicology and Applied Pharmacology, 2008, 229, 10-19.	1.3	121
85	Effect of Biotin Treatment on Hepatic Gene Expression in Streptozotocin-Induced Diabetic Rats. Bioscience, Biotechnology and Biochemistry, 2008, 72, 1290-1298.	0.6	30
86	Novel Effects of a Single Administration of Ferulic Acid on the Regulation of Blood Pressure and the Hepatic Lipid Metabolic Profile in Stroke-Prone Spontaneously Hypertensive Rats. Journal of Agricultural and Food Chemistry, 2008, 56, 2825-2830.	2.4	111
87	Tocotrienol Inhibits Secretion of Angiogenic Factors from Human Colorectal Adenocarcinoma Cells by Suppressing Hypoxia-Inducible Factor-1α. Journal of Nutrition, 2008, 138, 2136-2142.	1.3	70
88	Antihypertensive effect of biotin in stroke-prone spontaneously hypertensive rats. British Journal of Nutrition, 2008, 99, 756-763.	1.2	37
89	Decreased expression of carbonic anhydrase isozyme II, rather than of isozyme VI, in submandibular glands in long-term zinc-deficient rats. British Journal of Nutrition, 2008, 99, 248-253.	1.2	22
90	The Driselase-treated fraction of rice bran is a more effective dietary factor to improve hypertension, glucose and lipid metabolism in stroke-prone spontaneously hypertensive rats compared to ferulic acid. British Journal of Nutrition, 2007, 97, 67-76.	1.2	34

#	Article	IF	CITATIONS
91	Effects of Japanese Torreya (Torreya nucifera) Seed Oil on the Activities and mRNA Expression of Lipid Metabolism-Related Enzymes in Rats. Bioscience, Biotechnology and Biochemistry, 2007, 71, 231-233.	0.6	14
92	Vitamin K deficiency reduces testosterone production in the testis through down-regulation of the Cyp11a a cholesterol side chain cleavage enzyme in rats. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 1482-1488.	1.1	51
93	Vitamin K Suppresses Lipopolysaccharide-Induced Inflammation in the Rat. Bioscience, Biotechnology and Biochemistry, 2006, 70, 926-932.	0.6	154
94	Rice Bran Fractions Improve Blood Pressure, Lipid Profile, and Glucose Metabolism in Stroke-Prone Spontaneously Hypertensive Rats. Journal of Agricultural and Food Chemistry, 2006, 54, 1914-1920.	2.4	92
95	Vitamin K can Suppress the Inflammation Induced by Lipopolysaccharide Administration Journal of Hard Tissue Biology, 2005, 14, 284-285.	0.2	0
96	Acidic C-Tail of HMGB1 Is Required for Its Target Binding to Nucleosome Linker DNA and Transcription Stimulationâ€. Biochemistry, 2004, 43, 9901-9908.	1.2	75
97	Mitotic Phosphorylation of Chromosomal Protein HMGN1 Inhibits Nuclear Import and Promotes Interaction with 14.3.3 Proteins. Molecular and Cellular Biology, 2002, 22, 6809-6819.	1.1	32
98	Detoxification of Oxidized LDL by Transferring Its Oxidation Product(s) to Lecithin:Cholesterol Acyltransferase. Biochemical and Biophysical Research Communications, 2002, 291, 758-763.	1.0	8
99	Involvement of HMGB1 and HMGB2 proteins in exogenous DNA integration reaction into the genome of HeLa S3 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2002, 1593, 77-84.	1.9	8
100	HMGN3a and HMGN3b, Two Protein Isoforms with a Tissue-specific Expression Pattern, Expand the Cellular Repertoire of Nucleosome-binding Proteins. Journal of Biological Chemistry, 2001, 276, 25959-25969.	1.6	41
101	Mitotic Phosphorylation Prevents the Binding of HMGN Proteins to Chromatin. Molecular and Cellular Biology, 2001, 21, 5169-5178.	1.1	68
102	NBP-45, a Novel Nucleosomal Binding Protein with a Tissue-specific and Developmentally Regulated Expression. Journal of Biological Chemistry, 2000, 275, 6368-6374.	1.6	51
103	Targeting of High Mobility Group-14/-17 Proteins in Chromatin Is Independent of DNA Sequence. Journal of Biological Chemistry, 2000, 275, 37937-37944.	1.6	39
104	Detection of Anti-Neutrophil Cytoplasmic Antibodies in MRL/Mp-lpr/lprMice and Analysis of their Target Antigens. Autoimmunity, 2000, 32, 281-291.	1.2	3
105	Differences in DNA Recognition and Conformational Change Activity between Boxes A and B in HMG2 Protein. Biochemistry, 1999, 38, 589-595.	1.2	41
106	Non-histone Chromosomal Proteins HMG1 and 2 Enhance Ligation Reaction of DNA Double-Strand Breaks. Biochemical and Biophysical Research Communications, 1998, 246, 137-141.	1.0	37
107	Nuclear Accumulation of HMG2 Protein Is Mediated by Basic Regions Interspaced with a Long DNA-Binding Sequence, and Retention within the Nucleus Requires the Acidic Carboxyl Terminusâ€. Biochemistry, 1997, 36, 5992-5999.	1.2	29
108	Cloning and sequencing of the gene encoding the plasma membrane H+-ATPase from an acidophilic red alga, Cyanidium caldarium1The nucleotide sequence data reported in this paper will appear in the DDBJ, EMBL and GenBank nucleotide sequence databases with the following accession number D88424.1. Biochimica Et Biophysica Acta - Bioenergetics, 1997, 1319, 9-13.	0.5	15

#	Article	IF	CITATIONS
109	Stimulation of Transcription Accompanying Relaxation of Chromatin Structure in Cells Overexpressing High Mobility Group 1 Protein. Journal of Biological Chemistry, 1995, 270, 9272-9280.	1.6	60
110	Existence of a Transcription Factor for the Human HMG2 Gene Positively Related to the Level of HMG2 mRNA in the Cells. Biochemistry, 1995, 34, 2521-2527.	1.2	4
111	Stimulation of Transcription in Cultured Cells by High Mobility Group Protein 1: Essential Role of the Acidic Carboxyl-Terminal Region. Biochemistry, 1994, 33, 14690-14695.	1.2	63
112	Primary structure of non-histone chromosomal protein HMG2 revealed by the nucleotide sequence. Biochemistry, 1990, 29, 4419-4423.	1.2	69
113	Energy Homeostasis by the Peripheral Serotonergic System. , 0, , .		2
114	Rice Bran as a Functional Food: An Overview of the Conversion of Rice Bran into a Superfood/Functional Food. , 0, , .		15
115	Fermented black rice bran extract inhibit colon cancer proliferation in WiDr cell lines. Food Science and Technology, 0, 42, .	0.8	3