

# Michio Komai

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,256  
citations

394421

19  
h-index

377865

34  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary tryptophan alleviates dextran sodium sulfate-induced colitis through aryl hydrocarbon receptor in mice. <i>Journal of Nutritional Biochemistry</i> , 2017, 42, 43-50.	4.2	155
2	Vitamin K Suppresses Lipopolysaccharide-Induced Inflammation in the Rat. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 926-932.	1.3	154
3	Vitamin K suppresses the lipopolysaccharide-induced expression of inflammatory cytokines in cultured macrophage-like cells via the inhibition of the activation of nuclear factor $\kappa$ B through the repression of IKK1/2 phosphorylation. <i>Journal of Nutritional Biochemistry</i> , 2010, 21, 1120-1126.	4.2	129
4	Low-dose dioxins alter gene expression related to cholesterol biosynthesis, lipogenesis, and glucose metabolism through the aryl hydrocarbon receptor-mediated pathway in mouse liver. <i>Toxicology and Applied Pharmacology</i> , 2008, 229, 10-19.	2.8	121
5	Zinc deficiency and taste dysfunction; Contribution of carbonic anhydrase, a zinc metalloenzyme, to normal taste sensation. <i>BioFactors</i> , 2000, 12, 65-70.	5.4	66
6	Dietary Supplementation of Fermented Rice Bran Effectively Alleviates Dextran Sodium Sulfate-Induced Colitis in Mice. <i>Nutrients</i> , 2017, 9, 747.	4.1	59
7	Simultaneous analysis of serotonin, tryptophan and tryptamine levels in common fresh fruits and vegetables in Japan using fluorescence HPLC. <i>Food Bioscience</i> , 2016, 13, 56-59.	4.4	52
8	Menaquinone-4 enhances testosterone production in rats and testis-derived tumor cells. <i>Lipids in Health and Disease</i> , 2011, 10, 158.	3.0	40
9	Fermented rice bran supplementation mitigates metabolic syndrome in stroke-prone spontaneously hypertensive rats. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 442.	3.7	39
10	The aryl hydrocarbon receptor and glucocorticoid receptor interact to activate human metallothionein 2A. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 90-99.	2.8	37
11	Dietary supplementation with geranylgeraniol suppresses lipopolysaccharide-induced inflammation via inhibition of nuclear factor- $\kappa$ B activation in rats. <i>European Journal of Nutrition</i> , 2013, 52, 1191-1199.	3.9	32
12	Menaquinone-4 Accumulation in Various Tissues after an Oral Administration of Phylloquinone in Wistar Rats.. <i>Journal of Nutritional Science and Vitaminology</i> , 1997, 43, 133-143.	0.6	31
13	A novel function of geranylgeraniol in regulating testosterone production. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 956-962.	1.3	30
14	Effects of Vitamin K2 on the Expression of Genes Involved in Bile Acid Synthesis and Glucose Homeostasis in Mice with Humanized PXR. <i>Nutrients</i> , 2018, 10, 982.	4.1	27
15	Menaquinone-4 Suppresses Lipopolysaccharide-Induced Inflammation in MC6 Mouse Microglia-Derived Cells by Inhibiting the NF- $\kappa$ B Signaling Pathway. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2317.	4.1	27
16	Inhibitory effects of Kaempferia parviflora extract on monocyte adhesion and cellular reactive oxygen species production in human umbilical vein endothelial cells. <i>European Journal of Nutrition</i> , 2017, 56, 949-964.	3.9	26
17	Resveratrol and its Related Polyphenols Contribute to the Maintenance of Genome Stability. <i>Scientific Reports</i> , 2020, 10, 5388.	3.3	24
18	Geranylgeraniol Suppresses the Expression of IRAK1 and TRAF6 to Inhibit NF- $\kappa$ B Activation in Lipopolysaccharide-Induced Inflammatory Responses in Human Macrophage-Like Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2320.	4.1	22

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19	Geranylgeraniol enhances testosterone production via the cAMP/protein kinase A pathway in testis-derived I-10 tumor cells. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016, 80, 791-797.	1.3	21
20	Beneficial Effects of Vitamin K Status on Glycemic Regulation and Diabetes Mellitus: A Mini-Review. <i>Nutrients</i> , 2020, 12, 2485.	4.1	18
21	Fermented Rice Bran Supplementation Prevents the Development of Intestinal Fibrosis Due to DSS-Induced Inflammation in Mice. <i>Nutrients</i> , 2021, 13, 1869.	4.1	15
22	Menaquinone-4 Amplified Glucose-Stimulated Insulin Secretion in Isolated Mouse Pancreatic Islets and INS-1 Rat Insulinoma Cells. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1995.	4.1	12
23	Supplementation with Fermented Rice Bran Attenuates Muscle Atrophy in a Diabetic Rat Model. <i>Nutrients</i> , 2020, 12, 2409.	4.1	11
24	The Role of Vitamin K in Cholestatic Liver Disease. <i>Nutrients</i> , 2021, 13, 2515.	4.1	11
25	Fermented rice bran supplementation attenuates chronic colitis-associated extraintestinal manifestations in female C57BL/6N mice. <i>Journal of Nutritional Biochemistry</i> , 2022, 99, 108855.	4.2	10
26	Fermented barley extract supplementation ameliorates metabolic state in stroke-prone spontaneously hypertensive rats. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015, 79, 1876-1883.	1.3	9
27	Cysteine Sulfoxides Enhance Steroid Hormone Production via Activation of the Protein Kinase A Pathway in Testis-Derived I-10 Tumor Cells. <i>Molecules</i> , 2020, 25, 4694.	3.8	9
28	Effect of Vitamin K-Mediated PXR Activation on Drug-Metabolizing Gene Expression in Human Intestinal Carcinoma LS180 Cell Line. <i>Nutrients</i> , 2021, 13, 1709.	4.1	8
29	Orexigenic action of oral zinc: metabolomic analysis in the rat hypothalamus. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 2168-2175.	1.3	6
30	Detection of ultra weak chemiluminescence from benzo(a)pyrene and 3-methylcholanthrene.. <i>Journal of Clinical Biochemistry and Nutrition</i> , 1990, 8, 185-192.	1.4	6
31	Adenosine and adenosine-5- $\epsilon$ -monophosphate ingestion ameliorates abnormal glucose metabolism in mice fed a high-fat diet. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 304.	3.7	5
32	The Effect of Liver Hydrolysate on Chronic Ethanol-Induced Hepatic Injury in Normal Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 554-557.	1.4	5
33	Lecithin: Cholesterol Acyltransferase Reduces the Adverse Effects of Oxidized Low-Density Lipoprotein while Incurring Damage Itself. <i>Bioscience, Biotechnology and Biochemistry</i> , 2001, 65, 2496-2503.	1.3	4
34	Conversion of Menaquinone-4 in Animal Organs and its Functions. <i>Oleoscience</i> , 2014, 14, 547-553.	0.0	4
35	Effects of dietary vitamin K <sub>3</sub> supplementation on vitamin K <sub>1</sub> and K <sub>2</sub> (menaquinone) dynamics in dairy cows. <i>Animal Science Journal</i> , 2022, 93, e13680.	1.4	4
36	Development of Rice Bran Functional Food and Evaluation of Its Healthful Properties. , 2019, , 183-206.		3

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37	S-allyl Cysteine Enhances Testosterone Production in Mice and Mouse Testis-Derived I-10 Cells. <i>Molecules</i> , 2021, 26, 1697.	3.8	3
38	Geranylgeraniol Inhibits Lipopolysaccharide-Induced Inflammation in Mouse-Derived MG6 Microglial Cells via NF- $\kappa$ B Signaling Modulation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10543.	4.1	3
39	The Relationship between Chemiluminescence Intensity and Genotoxicity in Polyaromatic Hydrocarbons and Aflatoxins.. <i>Journal of Clinical Biochemistry and Nutrition</i> , 1994, 17, 111-117.	1.4	3
40	Histopathological Changes in Spontaneously Hypertensive Rats after Feeding of Shiitake ( <i>Lentinus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Nutrition, 1989, 6, 187-193.	1.4	3
41	Effect of vitamin K3 supplementation on immunoglobulin G concentration in colostrum of periparturient Holstein dairy cows. <i>Animal Science Journal</i> , 2022, 93, e13706.	1.4	2
42	The Function of Geranylgeraniol. <i>Oleoscience</i> , 2018, 18, 99-106.	0.0	1
43	Nutritional Study on Taste Response in SHR. <i>International Heart Journal</i> , 1987, 28, 648-648.	0.6	1
44	Vitamin K can Suppress the Inflammation Induced by Lipopolysaccharide Administration.. <i>Journal of Hard Tissue Biology</i> , 2005, 14, 284-285.	0.4	0
45	Influence of nutritional condition on the palatability to salty taste of SHR. <i>International Heart Journal</i> , 1986, 27, 608-608.	0.6	0
46	Effect of Biotin Deficiency on the Composition of Intestinal Microflora in Osteogenic Disorder Shionogi Rats.. <i>Journal of Clinical Biochemistry and Nutrition</i> , 1993, 15, 211-218.	1.4	0