

# Kazuaki Mawatari

## List of Publications by Year in descending order

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84  
papers

1,490  
citations

393982

19  
h-index

377514

34  
g-index

84  
all docs

84  
docs citations

84  
times ranked

2165  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Low-Dose Non-Caloric Sweetener Consumption on Gut Microbiota in Mice. <i>Nutrients</i> , 2017, 9, 560.	1.7	104
2	Functional Roles of B Vitamins in the Gut and Gut Microbiome. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e2000426.	1.5	90
3	Deficiency of <i>Cbl-b</i> Gene Enhances Infiltration and Activation of Macrophages in Adipose Tissue and Causes Peripheral Insulin Resistance in Mice. <i>Diabetes</i> , 2007, 56, 2511-2522.	0.3	73
4	Effects of Consuming Xylitol on Gut Microbiota and Lipid Metabolism in Mice. <i>Nutrients</i> , 2017, 9, 756.	1.7	62
5	Production of $\beta$ -defensin-2 by human colonic epithelial cells induced by <i>Salmonella enteritidis</i> flagella filament structural protein. <i>FEBS Letters</i> , 2001, 508, 484-488.	1.3	58
6	The phytoestrogen ginsenoside Re activates potassium channels of vascular smooth muscle cells through PI3K/Akt and nitric oxide pathways. <i>Journal of Medical Investigation</i> , 2007, 54, 381-384.	0.2	54
7	Irradiation by ultraviolet light-emitting diodes inactivates influenza A viruses by inhibiting replication and transcription of viral RNA in host cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 193-200.	1.7	52
8	Compound K, a metabolite of ginsenosides, induces cardiac protection mediated nitric oxide via Akt/PI3K pathway. <i>Life Sciences</i> , 2011, 88, 725-729.	2.0	49
9	Blueberry intervention improves vascular reactivity and lowers blood pressure in high-fat, high-cholesterol-fed rats. <i>British Journal of Nutrition</i> , 2013, 109, 1746-1754.	1.2	49
10	Effect of eicosapentaenoic acid ethyl ester/oleic acid-rich safflower oil on insulin resistance in type 2 diabetic model rats with hypertriglycerolaemia. <i>British Journal of Nutrition</i> , 2002, 87, 157-162.	1.2	48
11	<i>Vibrio parahaemolyticus</i> Infection Induces Modulation of IL-8 Secretion Through Dual Pathway via VP1680 in Caco-2 Cells. <i>Journal of Infectious Diseases</i> , 2011, 203, 537-544.	1.9	48
12	Simultaneous Irradiation with Different Wavelengths of Ultraviolet Light has Synergistic Bactericidal Effect on <i>Vibrio parahaemolyticus</i> . <i>Photochemistry and Photobiology</i> , 2014, 90, 1397-1403.	1.3	41
13	Taurine Alters Respiratory Gas Exchange and Nutrient Metabolism in Type 2 Diabetic Rats. <i>Obesity</i> , 2004, 12, 1077-1084.	4.0	39
14	Catecholamine-induced stimulation of growth in <i>Vibrio</i> species. <i>Letters in Applied Microbiology</i> , 2007, 44, 649-653.	1.0	36
15	Hfq regulates the expression of the thermostable direct hemolysin gene in <i>Vibrio parahaemolyticus</i> . <i>BMC Microbiology</i> , 2008, 8, 155.	1.3	34
16	Molecular cloning of a murine glycerol-3-phosphate acyltransferase-like protein 1 (xGPAT1). <i>Molecular and Cellular Biochemistry</i> , 2007, 297, 41-51.	1.4	27
17	Endothelin-1(1-31) levels are increased in atherosclerotic lesions of the thoracic aorta of hypercholesterolemic hamsters. <i>Atherosclerosis</i> , 2004, 175, 203-212.	0.4	25
18	Effect of intermetallic formation on electromigration reliability of TSV-microbump joints in 3D interconnect. , 2012, , .		25

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19	Development of a stacked WCSP package platform using TSV (Through Silicon Via) technology. , 2012, , .		25
20	Sterilization effect of UV light on <i>Bacillus</i> spores using TiO <sub>2</sub> films depends on wavelength. <i>Journal of Medical Investigation</i> , 2012, 59, 53-58.	0.2	23
21	Vegetable Surface Sterilization System Using UVA Light-Emitting Diodes. <i>Journal of Medical Investigation</i> , 2014, 61, 285-290.	0.2	22
22	DNA-Binding Protein HU Coordinates Pathogenicity in <i>Vibrio parahaemolyticus</i> . <i>Journal of Bacteriology</i> , 2015, 197, 2958-2964.	1.0	20
23	Alternative splicing produces a constitutively active form of human SREBP-1. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 820-826.	1.0	19
24	Adrenergic AMPK Pathway Phosphorylates Acetyl-CoA Carboxylase in a High-Epinephrine Rat Model, <i>SPORTS. Obesity</i> , 2010, 18, 48-54.	1.5	19
25	APS-mediated Ubiquitination of the Insulin Receptor Enhances its Internalization, but does not Induce its Degradation. <i>Endocrine Journal</i> , 2007, 54, 77-88.	0.7	18
26	A New Colored Beverage Disinfection System Using UV-A Light-Emitting Diodes. <i>Biocontrol Science</i> , 2010, 15, 33-37.	0.2	18
27	Effects of Prostaglandin E1 on Vascular ATP-Sensitive Potassium Channels. <i>Journal of Cardiovascular Pharmacology</i> , 2007, 50, 686-691.	0.8	17
28	Insulin Activates ATP-Sensitive Potassium Channels via Phosphatidylinositol 3-Kinase in Cultured Vascular Smooth Muscle Cells. <i>Journal of Vascular Research</i> , 2008, 45, 233-243.	0.6	17
29	Telmisartan increases localization of glucose transporter 4 to the plasma membrane and increases glucose uptake via peroxisome proliferator-activated receptor $\beta$ in 3T3-L1 adipocytes. <i>European Journal of Pharmacology</i> , 2011, 660, 485-491.	1.7	17
30	Cellular Tight Junctions Prevent Effective <i>Campylobacter jejuni</i> Invasion and Inflammatory Barrier Disruption Promoting Bacterial Invasion from Lateral Membrane in Polarized Intestinal Epithelial Cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 15.	1.8	17
31	Angiotensin II activates intermediate-conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channels in arterial smooth muscle cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2006, 41, 972-979.	0.9	15
32	Effect of prenatal administration of low dose antibiotics on gut microbiota and body fat composition of newborn mice. <i>Journal of Clinical Biochemistry and Nutrition</i> , 2018, 62, 155-160.	0.6	14
33	Haemolysin produced by <i>Vibrio mimicus</i> activates two Cl <sup>-</sup> secretory pathways in cultured intestinal-like Caco-2 cells. <i>Cellular Microbiology</i> , 2007, 9, 583-595.	1.1	13
34	Hydrogen peroxide inhibits insulin-induced ATP-sensitive potassium channel activation independent of insulin signaling pathway in cultured vascular smooth muscle cells. <i>Journal of Medical Investigation</i> , 2012, 59, 36-44.	0.2	13
35	Glutamine protects the small intestinal mucosa in anticancer drug-induced rat enteritis model. <i>Journal of Medical Investigation</i> , 2014, 61, 59-64.	0.2	13
36	Irradiation by a Combination of Different Peak-Wavelength Ultraviolet-Light Emitting Diodes Enhances the Inactivation of Influenza A Viruses. <i>Microorganisms</i> , 2020, 8, 1014.	1.6	13

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37	Glycolate is a Novel Marker of Vitamin B2 Deficiency Involved in Gut Microbe Metabolism in Mice. <i>Nutrients</i> , 2020, 12, 736.	1.7	13
38	The first-line cluster headache medication verapamil alters the circadian period and elicits sex-specific sleep changes in mice. <i>Chronobiology International</i> , 2021, 38, 839-850.	0.9	13
39	Differences in stress response after UVC or UVA irradiation in <i>Vibrio parahaemolyticus</i> . <i>Environmental Microbiology Reports</i> , 2010, 2, 660-666.	1.0	12
40	Enhancement of Endothelial Function Inhibits Left Atrial Thrombi Development in an Animal Model of Spontaneous Left Atrial Thrombosis. <i>Circulation Journal</i> , 2014, 78, 1980-1988.	0.7	12
41	Additional Effects of Silver Nanoparticles on Bactericidal Efficiency Depend on Calcination Temperature and Dip-Coating Speed. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5629-5634.	1.4	11
42	Effects of intracellular MgADP and acidification on the inhibition of cardiac sarcolemmal ATP-sensitive potassium channels by propofol. <i>Journal of Anesthesia</i> , 2007, 21, 472-479.	0.7	10
43	Cell membrane stretch activates intermediate-conductance Ca <sup>2+</sup> -activated K <sup>+</sup> channels in arterial smooth muscle cells. <i>Heart and Vessels</i> , 2011, 26, 91-100.	0.5	10
44	Membrane topology of murine glycerol-3-phosphate acyltransferase 2. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 506-511.	1.0	10
45	<i>Campylobacter jejuni</i> infection suppressed Cl <sup>-</sup> secretion induced by CFTR activation in T-84 cells. <i>Journal of Infection and Chemotherapy</i> , 2014, 20, 682-688.	0.8	10
46	Effects of Low-Dose Non-Caloric Sweetener Consumption on Gut Microbiota in Mice. <i>Nutrients</i> , 2017, 9, 662.	1.7	10
47	VopB1 and VopD1 are essential for translocation of type III secretion system 1 effectors of <i>Vibrio parahaemolyticus</i> . <i>Canadian Journal of Microbiology</i> , 2012, 58, 1002-1007.	0.8	9
48	Identification of cis-acting promoter sequences required for expression of the glycerol-3-phosphate acyltransferase 1 gene in mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 39-52.	1.2	8
49	Hfq regulates anti-oxidative ability in <i>Vibrio parahaemolyticus</i> . <i>Journal of General and Applied Microbiology</i> , 2010, 56, 181-186.	0.4	8
50	Bile Metabolites and Risk of Carcinogenesis in Patients With Pancreaticobiliary Maljunction: A Pilot Study. <i>Anticancer Research</i> , 2021, 41, 327-334.	0.5	8
51	Angiotensin II inhibits insulin-induced actin stress fiber formation and glucose uptake via ERK1/2. <i>Journal of Medical Investigation</i> , 2007, 54, 19-27.	0.2	7
52	Hyperglycemia Impairs Isoflurane-Induced Adenosine Triphosphate-Sensitive Potassium Channel Activation in Vascular Smooth Muscle Cells. <i>Anesthesia and Analgesia</i> , 2008, 106, 858-864.	1.1	7
53	VP2118 has major roles in <i>Vibrio parahaemolyticus</i> response to oxidative stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 1686-1692.	1.1	7
54	Type III Secretion Effector VopQ of <i>Vibrio parahaemolyticus</i> Modulates Central Carbon Metabolism in Epithelial Cells. <i>MSphere</i> , 2020, 5, .	1.3	7

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55	<i>Aeromonas sobria</i> hemolysin causes diarrhea by increasing secretion of HCO <sub>3</sub> <sup>-</sup> . FEMS Microbiology Letters, 2006, 258, 92-95.	0.7	6
56	Host cellular unfolded protein response signaling regulates <i>Campylobacter jejuni</i> invasion. PLoS ONE, 2018, 13, e0205865.	1.1	6
57	UVA-LED device to disinfect hydroponic nutrient solution. Journal of Medical Investigation, 2018, 65, 171-176.	0.2	5
58	Identification of Genes Associated with Sensitivity to Ultraviolet A (UVA) Irradiation by Transposon Mutagenesis of <i>Vibrio parahaemolyticus</i> . Applied Sciences (Switzerland), 2020, 10, 5549.	1.3	5
59	Angiotensin II Decreases Glucose Uptake by Downregulation of GLUT1 in the Cell Membrane of the Vascular Smooth Muscle Cell Line A10. Journal of Cardiovascular Pharmacology, 2007, 50, 267-273.	0.8	4
60	NO-1886, a lipoprotein lipase activator, attenuates vascular smooth muscle contraction in rat aorta. European Journal of Pharmacology, 2007, 554, 183-190.	1.7	4
61	High density lipoprotein inhibits the activation of sterol regulatory element-binding protein-1 in cultured cells. FEBS Letters, 2010, 584, 1217-1222.	1.3	4
62	Inactivation of MS2 Phage and <i>Cryptosporidium parvum</i> Oocysts Using UV-A from High-Intensity Light-Emitting Diode for Water Disinfection. Journal of Water and Environment Technology, 2013, 11, 299-307.	0.3	4
63	A novel peptide of endothelin family, 31 amino-acid length endothelin in patients with acute myocardial infarction. Journal of Medical Investigation, 2014, 61, 298-305.	0.2	4
64	Inactivation of Extended-spectrum $\beta$ -lactamase (ESBL)-producing <i>Escherichia coli</i> by UVA-LED irradiation system. Journal of Medical Investigation, 2020, 67, 163-169.	0.2	4
65	Recruitment of LC3 by <i>Campylobacter jejuni</i> to Bacterial Invasion Site on Host Cells via the Rac1-Mediated Signaling Pathway. Frontiers in Cellular and Infection Microbiology, 2022, 12, 829682.	1.8	4
66	UV-LED irradiation reduces the infectivity of herpes simplex virus type 1 by targeting different viral components depending on the peak wavelength. Journal of Photochemistry and Photobiology B: Biology, 2022, 228, 112410.	1.7	4
67	Localization of the 31-amino-acid endothelin-1 in hamster tissue. Life Sciences, 2004, 74, 1435-1443.	2.0	3
68	The nucleoside and nucleotide mixture (OG-VI) rescues intestinal-like epithelial cells from the cytotoxicity of chemotherapeutic agents. Journal of Medical Investigation, 2007, 54, 235-242.	0.2	3
69	Suitability of ultraviolet (A)-light emitting diode for air stream disinfection. Journal of Medical Investigation, 2009, 56, 150-156.	0.2	3
70	Establishment of a Model of Spontaneously-Running-Tokushima-Shikoku Rats with Left Atrial Thrombosis. Journal of Toxicologic Pathology, 2014, 27, 51-56.	0.3	3
71	Identification and Purification of the CPD Photolyase in <i>Vibrio parahaemolyticus</i> RIMD2210633. Photochemistry and Photobiology, 2015, 91, 1165-1172.	1.3	3
72	Intracerebroventricular injection of ghrelin decreases wheel running activity in rats. Peptides, 2017, 87, 12-19.	1.2	3

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73	<i>Vibrio parahaemolyticus</i> induces inflammation-associated fluid accumulation via activation of the cystic fibrosis transmembrane conductance regulator. <i>Journal of Medical Investigation</i> , 2021, 68, 59-70.	0.2	3
74	Effect of Vitamin B2-deficient Diet on Hydroxyproline or Obesity-induced Hyperoxaluria in Mice. <i>Molecular Nutrition and Food Research</i> , 2021, 65, 2100226.	1.5	3
75	Reactive oxygen species induced by diamide inhibit insulin-induced ATP-sensitive potassium channel activation in cultured vascular smooth muscle cells. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2008, 17 Suppl 1, 162-6.	0.3	3
76	Cystic Fibrosis Transmembrane Conductance Regulator Reduces Microtubule-Dependent <i>Campylobacter jejuni</i> Invasion. <i>Infection and Immunity</i> , 2017, 85, .	1.0	2
77	Bacterial Contamination of Hemodialysis Devices in Hospital Dialysis Wards. <i>Journal of Medical Investigation</i> , 2019, 66, 148-152.	0.2	2
78	NO-1886, a lipoprotein lipase activator, attenuates contraction of rat intestinal ring preparations. <i>Journal of Medical Investigation</i> , 2008, 55, 61-70.	0.2	2
79	Left DLPFC activity is associated with plasma kynurenine levels and can predict treatment response to escitalopram in major depressive disorder. <i>Psychiatry and Clinical Neurosciences</i> , 2022, .	1.0	2
80	L-DOPA inhibits nitric oxide-dependent vasorelaxation via production of reactive oxygen species in rat aorta. <i>Journal of Medical Investigation</i> , 2009, 56, 120-129.	0.2	1
81	Selective removal by laser processing for the sensor mold. , 2019, .		1
82	<i>Vibrio parahaemolyticus</i> elevates interferon alpha production in intestinal-like epithelial Caco-2 cells. <i>Canadian Journal of Microbiology</i> , 2007, 53, 1084-1090.	0.8	0
83	Combined treatment of UVA irradiation and antibiotics induces greater bactericidal effects on <i>Vibrio parahaemolyticus</i> . <i>Journal of Medical Investigation</i> , 2016, 63, 63-67.	0.2	0
84	Glutamine protects the small intestinal mucosa in anticancer drug-induced rat enteritis model. <i>Journal of Medical Investigation</i> , 2000, 40, 59-64.	0.2	0