Masato Furuhashi

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Chemical Chaperones Reduce ER Stress and Restore Glucose Homeostasis in a Mouse Model of Type 2 Diabetes. Science, 2006, 313, 1137-1140.	6.0	2,154
2	Fatty acid-binding proteins: role in metabolic diseases and potential as drug targets. Nature Reviews Drug Discovery, 2008, 7, 489-503.	21.5	1,304
3	Treatment of diabetes and atherosclerosis by inhibiting fatty-acid-binding protein aP2. Nature, 2007, 447, 959-965.	13.7	613
4	Double-Stranded RNA-Dependent Protein Kinase Links Pathogen Sensing with Stress and Metabolic Homeostasis. Cell, 2010, 140, 338-348.	13.5	453
5	Blockade of the Renin-Angiotensin System Increases Adiponectin Concentrations in Patients With Essential Hypertension. Hypertension, 2003, 42, 76-81.	1.3	446
6	Adipocyte/macrophage fatty acid binding proteins control integrated metabolic responses in obesity and diabetes. Cell Metabolism, 2005, 1, 107-119.	7.2	415
7	Adipocyte/macrophage fatty acid–binding proteins contribute to metabolic deterioration through actions in both macrophages and adipocytes in mice. Journal of Clinical Investigation, 2008, 118, 2640-50.	3.9	250
8	Urinary Angiotensin-Converting Enzyme 2 in Hypertensive Patients May Be Increased by Olmesartan, an Angiotensin II Receptor Blocker. American Journal of Hypertension, 2015, 28, 15-21.	1.0	225
9	Fatty Acid-Binding Protein 4 (FABP4): Pathophysiological Insights and Potent Clinical Biomarker of Metabolic and Cardiovascular Diseases. Clinical Medicine Insights: Cardiology, 2014, 8s3, CMC.S17067.	0.6	224
10	Adipocyte Lipid Chaperone aP2 Is a Secreted Adipokine Regulating Hepatic Glucose Production. Cell Metabolism, 2013, 17, 768-778.	7.2	206
11	Coordinated Regulation of Nutrient and Inflammatory Responses by STAMP2 Is Essential for Metabolic Homeostasis. Cell, 2007, 129, 537-548.	13.5	188
12	Fatty Acid-Binding Protein 4 in Cardiovascular and Metabolic Diseases. Journal of Atherosclerosis and Thrombosis, 2019, 26, 216-232.	0.9	176
13	Blockade of the renin???angiotensin system decreases adipocyte size with improvement in insulin sensitivity. Journal of Hypertension, 2004, 22, 1977-1982.	0.3	147
14	New insights into purine metabolism in metabolic diseases: role of xanthine oxidoreductase activity. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E827-E834.	1.8	125
15	Circulating Levels of Fatty Acid-Binding Protein Family and Metabolic Phenotype in the General Population. PLoS ONE, 2013, 8, e81318.	1.1	123
16	Prevalence of asymptomatic ST segment elevation in right precordial leads with right bundle branch block (Brugada-type ST shift) among the general Japanese population. British Heart Journal, 2001, 86, 161-166.	2.2	101
17	Local Production of Fatty Acid–Binding Protein 4 in Epicardial/Perivascular Fat and Macrophages Is Linked to Coronary Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 825-834.	1.1	98
18	A Predominant Role for Parenchymal c-Jun Amino Terminal Kinase (JNK) in the Regulation of Systemic Insulin Sensitivity. PLoS ONE, 2008, 3, e3151.	1.1	98

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19	Lipid Chaperones and Metabolic Inflammation. International Journal of Inflammation, 2011, 2011, 1-12.	0.9	89
20	Serum Fatty Acid-Binding Protein 4 Is a Predictor of Cardiovascular Events in End-Stage Renal Disease. PLoS ONE, 2011, 6, e27356.	1.1	81
21	Elevation of Fatty Acid-Binding Protein 4 Is Predisposed by Family History of Hypertension and Contributes to Blood Pressure Elevation. American Journal of Hypertension, 2012, 25, 1124-1130.	1.0	80
22	Reduction of endoplasmic reticulum stress by 4-phenylbutyric acid prevents the development of hypoxia-induced pulmonary arterial hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1314-H1323.	1.5	79
23	FABP4 is secreted from adipocytes by adenyl cyclase-PKA- and guanylyl cyclase-PKG-dependent lipolytic mechanisms. Obesity, 2015, 23, 359-367.	1.5	79
24	Emerging issues in radiogenic cataracts and cardiovascular disease. Journal of Radiation Research, 2014, 55, 831-846.	0.8	69
25	Insulin Sensitivity and Lipid Metabolism in Human CD36 Deficiency. Diabetes Care, 2003, 26, 471-474.	4.3	68
26	Plasma Xanthine Oxidoreductase Activity as a Novel Biomarker of Metabolic Disorders in a General Population. Circulation Journal, 2018, 82, 1892-1899.	0.7	68
27	Liddle's Syndrome Caused by a Novel Mutation in the Proline-Rich PY Motif of the Epithelial Sodium Channel β-Subunit. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 340-344.	1.8	67
28	Elevation of circulating fatty acid-binding protein 4 is independently associated with left ventricular diastolic dysfunction in a general population. Cardiovascular Diabetology, 2014, 13, 126.	2.7	66
29	Fenofibrate improves insulin sensitivity in connection with intramuscular lipid content, muscle fatty acid-binding protein, and beta-oxidation in skeletal muscle. Journal of Endocrinology, 2002, 174, 321-329.	1.2	62
30	Small-Molecule Inhibitors of PKR Improve Glucose Homeostasis in Obese Diabetic Mice. Diabetes, 2014, 63, 526-534.	0.3	56
31	Role of Adiponectin in Insulin-Resistant Hypertension and Atherosclerosis. Hypertension Research, 2003, 26, 705-710.	1.5	50
32	Angiotensin II receptor blockers decrease serum concentration of fatty acid-binding protein 4 in patients with hypertension. Hypertension Research, 2015, 38, 252-259.	1.5	44
33	Ectopic Expression of Fatty Acid-Binding Protein 4 in the Glomerulus Is Associated with Proteinuria and Renal Dysfunction. Nephron Clinical Practice, 2015, 128, 345-351.	2.3	43
34	Reduction of serum FABP4 level by sitagliptin, a DPP-4 inhibitor, in patients with type 2 diabetes mellitus. Journal of Lipid Research, 2015, 56, 2372-2380.	2.0	43
35	Ectopic Fatty Acid–Binding Protein 4 Expression in the Vascular Endothelium is Involved in Neointima Formation After Vascular Injury. Journal of the American Heart Association, 2017, 6, .	1.6	43
36	Independent links between plasma xanthine oxidoreductase activity and levels of adipokines. Journal of Diabetes Investigation, 2019, 10, 1059-1067.	1.1	40

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37	Reduction of circulating FABP4 level by treatment with omega-3 fatty acid ethyl esters. Lipids in Health and Disease, 2016, 15, 5.	1.2	39
38	Urinary Excretion of Fatty Acid-Binding Protein 4 is Associated with Albuminuria and Renal Dysfunction. PLoS ONE, 2014, 9, e115429.	1.1	37
39	Circulating resistin levels in essential hypertension. Clinical Endocrinology, 2003, 59, 507-510.	1.2	35
40	Differential Phenotypes in Perivascular Adipose Tissue Surrounding the Internal Thoracic Artery and Diseased Coronary Artery. Journal of the American Heart Association, 2019, 8, e011147.	1.6	34
41	Transcriptome and Metabolome Analyses in Exogenous FABP4- and FABP5-Treated Adipose-Derived Stem Cells. PLoS ONE, 2016, 11, e0167825.	1.1	34
42	Potential differential effects of renin-angiotensin system inhibitors on SARS-CoV-2 infection and lung injury in COVID-19. Hypertension Research, 2020, 43, 837-840.	1.5	32
43	Differential regulation of hypoxanthine and xanthine by obesity in a general population. Journal of Diabetes Investigation, 2020, 11, 878-887.	1.1	32
44	Possible Impairment of Transcardiac Utilization of Adiponectin in Patients With Type 2 Diabetes. Diabetes Care, 2004, 27, 2217-2221.	4.3	31
45	U-shaped relationship between serum uric acid level and decline in renal function during a 10-year period in female subjects: BOREAS-CKD2. Hypertension Research, 2021, 44, 107-116.	1.5	31
46	Serum FABP5 concentration is a potential biomarker for residual risk of atherosclerosis in relation to cholesterol efflux from macrophages. Scientific Reports, 2017, 7, 217.	1.6	30
47	Circulating Fatty Acid-Binding Protein 4 Concentration Predicts the Progression of Carotid Atherosclerosis in a General Population Without Medication. Circulation Journal, 2018, 82, 1121-1129.	0.7	30
48	Sonoclot coagulation analysis: new bedside monitoring for determination of the appropriate heparin dose during haemodialysis. Nephrology Dialysis Transplantation, 2002, 17, 1457-1462.	0.4	28
49	The Effect of Tumor Necrosis FactorALPHA. on Tissue Specificity and Selectivity to Insulin Signaling. Hypertension Research, 2003, 26, 389-396.	1.5	27
50	Reduction of endoplasmic reticulum stress inhibits neointima formation after vascular injury. Scientific Reports, 2014, 4, 6943.	1.6	27
51	Independent Link Between Levels of Proprotein Convertase Subtilisin/Kexin Type 9 and FABP4 in a General Population Without Medication. American Journal of Cardiology, 2016, 118, 198-203.	0.7	27
52	Deterioration of Renal Function by Chronic Heart Failure is Associated with Congestion and Oxidative Stress in the Tubulointerstitium. Internal Medicine, 2011, 50, 2877-2887.	0.3	25
53	Accuracy of flash glucose monitoring in insulinâ€treated patients with typeÂ2 diabetes. Journal of Diabetes Investigation, 2019, 10, 846-850.	1.1	25
54	Annual change in plasma xanthine oxidoreductase activity is associated with changes in liver enzymes and body weight. Endocrine Journal, 2019, 66, 777-786.	0.7	23

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55	Tissue-Specific Impairment of Insulin Signaling in Vasculature and Skeletal Muscle of Fructose-Fed Rats Hypertension Research, 2003, 26, 169-176.	1.5	23
56	Possible Increase in Serum FABP4 Level Despite Adiposity Reduction by Canagliflozin, an SGLT2 Inhibitor. PLoS ONE, 2016, 11, e0154482.	1.1	22
57	Treatment with anagliptin, a DPP-4 inhibitor, decreases FABP4 concentration in patients with type 2 diabetes mellitus at a high risk for cardiovascular disease who are receiving statin therapy. Cardiovascular Diabetology, 2020, 19, 89.	2.7	20
58	Fatty liver index is independently associated with deterioration of renal function during a 10-year period in healthy subjects. Scientific Reports, 2021, 11, 8606.	1.6	20
59	Elevated Fatty Liver Index Is Independently Associated With New Onset of Hypertension During a 10‥ear Period in Both Male and Female Subjects. Journal of the American Heart Association, 2021, 10, e021430.	1.6	20
60	Elevated circulating FABP4 concentration predicts cardiovascular death in a general population: a 12-year prospective study. Scientific Reports, 2021, 11, 4008.	1.6	19
61	High level of fatty liver index predicts new onset of diabetes mellitus during a 10-year period in healthy subjects. Scientific Reports, 2021, 11, 12830.	1.6	19
62	Prediction and validation of nonalcoholic fatty liver disease by fatty liver index in a Japanese population. Endocrine Journal, 2022, 69, 463-471.	0.7	19
63	Circulating level of fatty acidâ€binding protein 4 is an independent predictor of metabolic dysfunctionâ€associated fatty liver disease in middleâ€aged and elderly individuals. Journal of Diabetes Investigation, 2022, 13, 878-888.	1.1	19
64	Low Adiponectin Level in Young Normotensive Men with a Family History of Essential Hypertension. Hypertension Research, 2005, 28, 141-146.	1.5	18
65	Unexpected high plasma xanthine oxidoreductase activity in female subjects with low levels of uric acid. Endocrine Journal, 2018, 65, 1083-1092.	0.7	18
66	STAT3 Is the Master Regulator for the Forming of 3D Spheroids of 3T3-L1 Preadipocytes. Cells, 2022, 11, 300.	1.8	18
67	Serum Ratio of Heart-Type Fatty Acid-Binding Protein to Myoglobin. Nephron Clinical Practice, 2003, 93, c69-c74.	2.3	16
68	Metabolic dysfunction–associated fatty liver disease predicts new onset of chronic kidney disease better than fatty liver or nonalcoholic fatty liver disease. Nephrology Dialysis Transplantation, 2023, 38, 700-711.	0.4	16
69	Low urine pH predicts new onset of diabetes mellitus during a 10â€year period in men: BOREASâ€DM1 study. Journal of Diabetes Investigation, 2020, 11, 1490-1497.	1.1	15
70	Genotype in human CD36 deficiency and diabetes mellitus. Diabetic Medicine, 2004, 21, 952-953.	1.2	13
71	Screening of the Drug-Induced Effects of Prostaglandin EP2 and FP Agonists on 3D Cultures of Dexamethasone-Treated Human Trabecular Meshwork Cells. Biomedicines, 2021, 9, 930.	1.4	12
72	Right Bundle Branch Block and Coved-Type ST-SegmentElevation Mimicked by Acute Cholecystitis. Circulation Journal, 2003, 67, 802-804.	0.7	11

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73	Angiotensin II receptor activation in youth triggers persistent insulin resistance and hypertension—a legacy effect?. Hypertension Research, 2012, 35, 334-340.	1.5	11
74	Antiatherosclerotic Phenotype of Perivascular Adipose Tissue Surrounding the Saphenous Vein in Coronary Artery Bypass Grafting. Journal of the American Heart Association, 2021, 10, e018905.	1.6	11
75	Independent association of plasma xanthine oxidoreductase activity with hypertension in nondiabetic subjects not using medication. Hypertension Research, 2021, 44, 1213-1220.	1.5	11
76	Acute Renal Failure Likely due to Acute Nephritic Syndrome Associated with Typhoid Fever. Internal Medicine, 2005, 44, 1074-1077.	0.3	10
77	Significance of urinary fatty acid-binding protein 4 level as a possible biomarker for the identification of minimal change disease in patents with nephrotic-range proteinuria. BMC Nephrology, 2020, 21, 459.	0.8	10
78	Independent Association of Fatty Liver Index With Left Ventricular Diastolic Dysfunction in Subjects Without Medication. American Journal of Cardiology, 2021, 158, 139-146.	0.7	10
79	Human Trabecular Meshwork (HTM) Cells Treated with TGF- \hat{l}^2 2 or Dexamethasone Respond to Compression Stress in Different Manners. Biomedicines, 2022, 10, 1338.	1.4	10
80	ROCK 1 and 2 affect the spatial architecture of 3D spheroids derived from human corneal stromal fibroblasts in different manners. Scientific Reports, 2022, 12, 7419.	1.6	9
81	Utility of Serum Ratio of Heart-Type Fatty Acid-Binding Protein to Myoglobin for Cardiac Damage Regardless of Renal Dysfunction. Circulation Journal, 2004, 68, 656-659.	0.7	8
82	Serum uric acid level is associated with an increase in systolic blood pressure over time in female subjects: Linear mixed-effects model analyses. Hypertension Research, 2022, 45, 344-353.	1.5	8
83	High fibrosis-4 index predicts the new onset of ischaemic heart disease during a 10-year period in a general population. European Heart Journal Open, 2022, 2, .	0.9	8
84	Increased LDL-cholesterol level is associated with deterioration of renal function in males. CKJ: Clinical Kidney Journal, 2022, 15, 1888-1895.	1.4	8
85	Hypoxia Differently Affects TGF-Î ² 2-Induced Epithelial Mesenchymal Transitions in the 2D and 3D Culture of the Human Retinal Pigment Epithelium Cells. International Journal of Molecular Sciences, 2022, 23, 5473.	1.8	8
86	Independent and Distinct Associations of FABP4 and FABP5 With Metabolic Parameters in Type 2 Diabetes Mellitus. Frontiers in Endocrinology, 2020, 11, 575557.	1.5	7
87	Detection of significantly high vitreous concentrations of fatty acid-binding protein 4 in patients with proliferative diabetic retinopathy. Scientific Reports, 2021, 11, 12382.	1.6	7
88	Seasonal variation of serum 25-hydroxyvitamin D level in hemodialysis patients in the northernmost island of Japan. Clinical and Experimental Nephrology, 2021, 25, 1360-1366.	0.7	7
89	High fatty liver index is an independent predictor of ischemic heart disease during a 10â€year period in a Japanese population. Hepatology Research, 2022, 52, 687-698.	1.8	7
90	Pan-ROCK and ROCK2 Inhibitors Affect Dexamethasone-Treated 2D- and 3D-Cultured Human Trabecular Meshwork (HTM) Cells in Opposite Manners. Molecules, 2021, 26, 6382.	1.7	6

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91	Impact of use of angiotensin II receptor blocker on all-cause mortality in hemodialysis patients: prospective cohort study using a propensity-score analysis. Clinical and Experimental Nephrology, 2016, 20, 469-478.	0.7	5
92	A Case of Crescentic Glomerulonephritis Complicated with Hypocomplementemic Urticarial Vasculitis Syndrome and ANCA-Associated Vasculitis. Case Reports in Nephrology and Dialysis, 2018, 7, 144-153.	0.3	5
93	A Resuscitated Case of Acute Myocardial Infarction with both Familial Hypercholesterolemia Phenotype Caused by Possibly Oligogenic Variants of the <i>PCSK9</i> and <i>ABCG5</i> Genes and Type I CD36 Deficiency. Journal of Atherosclerosis and Thrombosis, 2022, 29, 551-557.	0.9	5
94	Myocardial Iodine-123-Metaiodobenzylguanidine (123 I-MIBG) Imaging in Brugada Syndrome. Circulation, 2002, 106, e59-60; author reply e59-60.	1.6	4
95	Prediction of new onset of diabetes mellitus during a 10-year period by using a combination of levels of alanine aminotransferase and \hat{l}^3 -glutamyl transferase. Endocrine Journal, 2021, 68, 1391-1402.	0.7	4
96	Circulating PCSK7 Level is Independently Associated with Obesity, Triglycerides Level and Fatty Liver Index in a General Population without Medication. Journal of Atherosclerosis and Thrombosis, 2022, 29, 1275-1284.	0.9	4
97	Distinct Regulation of U-ACE2 and P-ACE2 (Urinary and Plasma Angiotensin-Converting Enzyme 2) in a Japanese General Population. Hypertension, 2021, 78, 1138-1149.	1.3	4
98	Modulation of the Physical Properties of 3D Spheroids Derived from Human Scleral Stroma Fibroblasts (HSSFs) with Different Axial Lengths Obtained from Surgical Patients. Current Issues in Molecular Biology, 2021, 43, 1715-1725.	1.0	4
99	Differential Effects of DPP-4 Inhibitors, Anagliptin and Sitagliptin, on PCSK9 Levels in Patients with Type 2 Diabetes Mellitus who are Receiving Statin Therapy. Journal of Atherosclerosis and Thrombosis, 2020, 29, .	0.9	4
100	Involvement of necroptosis in contrast-induced nephropathy in a rat CKD model. Clinical and Experimental Nephrology, 2021, 25, 708-717.	0.7	3
101	Saphenous vein harvesting: Metaâ€analysis, metaflammation, and adipose tissue remodeling. Journal of Cardiac Surgery, 2021, 36, 4832-4833.	0.3	3
102	Fatty acid-binding protein 4 is an independent factor in the pathogenesis of retinal vein occlusion. PLoS ONE, 2021, 16, e0245763.	1.1	3
103	Autotaxin May Have Lysophosphatidic Acid-Unrelated Effects on Three-Dimension (3D) Cultured Human Trabecular Meshwork (HTM) Cells. International Journal of Molecular Sciences, 2021, 22, 12039.	1.8	2
104	Reactivities of a Prostanoid EP2 Agonist, Omidenepag, Are Useful for Distinguishing between 3D Spheroids of Human Orbital Fibroblasts without or with Graves' Orbitopathy. Cells, 2021, 10, 3196.	1.8	2
105	Prostaglandin F2 and EP2 Agonists Exert Different Effects on 3D 3T3-L1 Spheroids during Their Culture Phase. Biomedicines, 2021, 9, 1821.	1.4	2
106	Plasma Tsukushi Concentration Is Associated with High Levels of Insulin and FGF21 and Low Level of Total Cholesterol in a General Population without Medication. Metabolites, 2022, 12, 237.	1.3	2
107	An $\hat{l}\pm 2$ -Adrenergic Agonist, Brimonidine, Beneficially Affects the TGF- $\hat{l}^2 2$ -Treated Cellular Properties in an In Vitro Culture Model. Bioengineering, 2022, 9, 310.	1.6	2
108	Histopathology of the pancreas in fulminant type 1 diabetes after 23â€year followâ€up: a case report. Pathology International, 2012, 62, 827-829.	0.6	1

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109	Impact of the Number of Anti-Thrombosis Agents in Hemodialysis Patients: BOREAS-HD2 Study. Kidney and Blood Pressure Research, 2017, 42, 553-564.	0.9	1
110	Impact of atrial fibrillation on the risk of ischemic stroke in patients on hemodialysis: BOREAS-HD3 Study. Clinical and Experimental Nephrology, 2021, 25, 297-304.	0.7	1
111	Fatty Acid-Binding Proteins, a Family of Lipid Chaperones. , 2017, , 1-16.		1
112	Fatty Acid-Binding Proteins 4 and 5 Are Involved in the Pathogenesis of Retinal Vascular Diseases in Different Manners. Life, 2022, 12, 467.	1.1	1
113	Comparison of the Drug-Induced Efficacies between Omidenepag Isopropyl, an EP2 Agonist and PGF2α toward TGF-β2-Modulated Human Trabecular Meshwork (HTM) Cells. Journal of Clinical Medicine, 2022, 11, 1652.	1.0	1
114	Fatty acid-binding protein 5 as a residual risk for atherosclerotic cardiovascular disease in patients with familial hypercholesterolemia. Atherosclerosis, 2017, 263, e100.	0.4	0
115	Fatty Acid-Binding Proteins, a Family of Lipid Chaperones. , 2019, , 691-706.		O
116	Reply to the comment of Hirota etÂal . on "Accuracy of flash glucose monitoring in insulinâ€treated patients with typeÂ2 diabetesâ€. Journal of Diabetes Investigation, 2020, 11, 256-256.	1.1	0
117	Remission of Membranous Nephropathy after Surgical Resection of Benign Cerebellar Meningioma. The Journal of the Japanese Society of Internal Medicine, 2018, 107, 1102-1107.	0.0	0
118	Reply to the comments of Naharci <i>etÂal</i> . on "Circulating level of fatty acidâ€binding proteinÂ4 is an independent predictor of metabolic dysfunctionâ€associated fatty liver disease in middleâ€aged and elderly individuals― Journal of Diabetes Investigation, 2022, 13, 928-929.	1.1	0
119	Fatty acid metabolism is involved in both retinal physiology and the pathology of retinal vascular diseases. Prostaglandins Leukotrienes and Essential Fatty Acids, 2022, 183, 102473.	1.0	0