

# Masato Furuhashi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99  
papers

7,505  
citations

33  
h-index

86  
g-index

119  
ext. papers

8,657  
ext. citations

6.9  
avg, IF

5.93  
L-index

#	Paper	IF	Citations
99	STAT3 Is the Master Regulator for the Forming of 3D Spheroids of 3T3-L1 Preadipocytes.. <i>Cells</i> , <b>2022</b> , 11,	7.9	3
98	Reply to the comments of Naharci et al. on "Circulating level of fatty acid-binding protein 4 is an independent predictor of metabolic dysfunction-associated fatty liver disease in middle-aged and elderly individuals".. <i>Journal of Diabetes Investigation</i> , <b>2022</b> , 13, 928-929	3.9	
97	ROCK 1 and 2 affect the spatial architecture of 3D spheroids derived from human corneal stromal fibroblasts in different manners.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7419	4.9	1
96	Hypoxia Differently Affects TGF- $\beta$ -Induced Epithelial Mesenchymal Transitions in the 2D and 3D Culture of the Human Retinal Pigment Epithelium Cells. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5473	6.3	2
95	Autotaxin May Have Lysophosphatidic Acid-Unrelated Effects on Three-Dimension (3D) Cultured Human Trabecular Meshwork (HTM) Cells. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
94	Modulation of the Physical Properties of 3D Spheroids Derived from Human Scleral Stroma Fibroblasts (HSSFs) with Different Axial Lengths Obtained from Surgical Patients. <i>Current Issues in Molecular Biology</i> , <b>2021</b> , 43, 1715-1725	2.9	0
93	Involvement of necroptosis in contrast-induced nephropathy in a rat CKD model. <i>Clinical and Experimental Nephrology</i> , <b>2021</b> , 25, 708-717	2.5	1
92	Antiatherosclerotic Phenotype of Perivascular Adipose Tissue Surrounding the Saphenous Vein in Coronary Artery Bypass Grafting. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e018905	6	5
91	Fatty liver index is independently associated with deterioration of renal function during a 10-year period in healthy subjects. <i>Scientific Reports</i> , <b>2021</b> , 11, 8606	4.9	3
90	Independent association of plasma xanthine oxidoreductase activity with hypertension in nondiabetic subjects not using medication. <i>Hypertension Research</i> , <b>2021</b> , 44, 1213-1220	4.7	1
89	High level of fatty liver index predicts new onset of diabetes mellitus during a 10-year period in healthy subjects. <i>Scientific Reports</i> , <b>2021</b> , 11, 12830	4.9	2
88	Detection of significantly high vitreous concentrations of fatty acid-binding protein 4 in patients with proliferative diabetic retinopathy. <i>Scientific Reports</i> , <b>2021</b> , 11, 12382	4.9	1
87	Seasonal variation of serum 25-hydroxyvitamin D level in hemodialysis patients in the northernmost island of Japan. <i>Clinical and Experimental Nephrology</i> , <b>2021</b> , 25, 1360-1366	2.5	0
86	Elevated Fatty Liver Index Is Independently Associated With New Onset of Hypertension During a 10-Year Period in Both Male and Female Subjects. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e021430	6	1
85	U-shaped relationship between serum uric acid level and decline in renal function during a 10-year period in female subjects: BOREAS-CKD2. <i>Hypertension Research</i> , <b>2021</b> , 44, 107-116	4.7	13
84	Impact of atrial fibrillation on the risk of ischemic stroke in patients on hemodialysis: BOREAS-HD3 Study. <i>Clinical and Experimental Nephrology</i> , <b>2021</b> , 25, 297-304	2.5	
83	Prediction of new onset of diabetes mellitus during a 10-year period by using a combination of levels of alanine aminotransferase and $\gamma$ -glutamyl transferase. <i>Endocrine Journal</i> , <b>2021</b> ,	2.9	1

82	A Resuscitated Case of Acute Myocardial Infarction with both Familial Hypercholesterolemia Phenotype Caused by Possibly Oligogenic Variants of the PCSK9 and ABCG5 Genes and Type I CD36 Deficiency. <i>Journal of Atherosclerosis and Thrombosis</i> , <b>2021</b> ,	4	2
81	Elevated circulating FABP4 concentration predicts cardiovascular death in a general population: a 12-year prospective study. <i>Scientific Reports</i> , <b>2021</b> , 11, 4008	4.9	4
80	Screening of the Drug-Induced Effects of Prostaglandin EP2 and FP Agonists on 3D Cultures of Dexamethasone-Treated Human Trabecular Meshwork Cells. <i>Biomedicines</i> , <b>2021</b> , 9,	4.8	3
79	Independent Association of Fatty Liver Index With Left Ventricular Diastolic Dysfunction in Subjects Without Medication. <i>American Journal of Cardiology</i> , <b>2021</b> , 158, 139-146	3	0
78	Saphenous vein harvesting: Meta-analysis, metaflammation, and adipose tissue remodeling. <i>Journal of Cardiac Surgery</i> , <b>2021</b> , 36, 4832-4833	1.3	1
77	Distinct Regulation of U-ACE2 and P-ACE2 (Urinary and Plasma Angiotensin-Converting Enzyme 2) in a Japanese General Population. <i>Hypertension</i> , <b>2021</b> , 78, 1138-1149	8.5	1
76	Fatty acid-binding protein 4 is an independent factor in the pathogenesis of retinal vein occlusion. <i>PLoS ONE</i> , <b>2021</b> , 16, e0245763	3.7	1
75	Significance of urinary fatty acid-binding protein 4 level as a possible biomarker for the identification of minimal change disease in patients with nephrotic-range proteinuria. <i>BMC Nephrology</i> , <b>2020</b> , 21, 459	2.7	3
74	Low urine pH predicts new onset of diabetes mellitus during a 10-year period in men: BOREAS-DM1 study. <i>Journal of Diabetes Investigation</i> , <b>2020</b> , 11, 1490-1497	3.9	8
73	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. <i>Cardiovascular Diabetology</i> , <b>2020</b> , 19, 89	8.7	11
72	Differential regulation of hypoxanthine and xanthine by obesity in a general population. <i>Journal of Diabetes Investigation</i> , <b>2020</b> , 11, 878-887	3.9	19
71	Reply to the comment of Hirota et al. on "Accuracy of flash glucose monitoring in insulin-treated patients with type 2 diabetes". <i>Journal of Diabetes Investigation</i> , <b>2020</b> , 11, 256	3.9	
70	Independent and Distinct Associations of FABP4 and FABP5 With Metabolic Parameters in Type 2 Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , <b>2020</b> , 11, 575557	5.7	2
69	New insights into purine metabolism in metabolic diseases: role of xanthine oxidoreductase activity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2020</b> , 319, E827-E834	6	37
68	Annual change in plasma xanthine oxidoreductase activity is associated with changes in liver enzymes and body weight. <i>Endocrine Journal</i> , <b>2019</b> , 66, 777-786	2.9	16
67	Fatty Acid-Binding Protein 4 in Cardiovascular and Metabolic Diseases. <i>Journal of Atherosclerosis and Thrombosis</i> , <b>2019</b> , 26, 216-232	4	77
66	Fatty Acid-Binding Proteins, a Family of Lipid Chaperones <b>2019</b> , 691-706		
65	Differential Phenotypes in Perivascular Adipose Tissue Surrounding the Internal Thoracic Artery and Diseased Coronary Artery. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e011147	6	24

64	Accuracy of flash glucose monitoring in insulin-treated patients with type 2 diabetes. <i>Journal of Diabetes Investigation</i> , <b>2019</b> , 10, 846-850	3.9	20
63	Independent links between plasma xanthine oxidoreductase activity and levels of adipokines. <i>Journal of Diabetes Investigation</i> , <b>2019</b> , 10, 1059-1067	3.9	19
62	Unexpected high plasma xanthine oxidoreductase activity in female subjects with low levels of uric acid. <i>Endocrine Journal</i> , <b>2018</b> , 65, 1083-1092	2.9	10
61	Circulating Fatty Acid-Binding Protein 4 Concentration Predicts the Progression of Carotid Atherosclerosis in a General Population Without Medication. <i>Circulation Journal</i> , <b>2018</b> , 82, 1121-1129	2.9	20
60	Remission of Membranous Nephropathy after Surgical Resection of Benign Cerebellar Meningioma. <i>The Journal of the Japanese Society of Internal Medicine</i> , <b>2018</b> , 107, 1102-1107	0	
59	Plasma Xanthine Oxidoreductase Activity as a Novel Biomarker of Metabolic Disorders in a General Population. <i>Circulation Journal</i> , <b>2018</b> , 82, 1892-1899	2.9	38
58	Serum FABP5 concentration is a potential biomarker for residual risk of atherosclerosis in relation to cholesterol efflux from macrophages. <i>Scientific Reports</i> , <b>2017</b> , 7, 217	4.9	13
57	A Case of Crescentic Glomerulonephritis Complicated with Hypocomplementemic Urticarial Vasculitis Syndrome and ANCA-Associated Vasculitis. <i>Case Reports in Nephrology and Dialysis</i> , <b>2017</b> , 7, 144-153	1.3	4
56	Ectopic Fatty Acid-Binding Protein 4 Expression in the Vascular Endothelium is Involved in Neointima Formation After Vascular Injury. <i>Journal of the American Heart Association</i> , <b>2017</b> , 6,	6	24
55	Impact of the Number of Anti-Thrombosis Agents in Hemodialysis Patients: BOREAS-HD2 Study. <i>Kidney and Blood Pressure Research</i> , <b>2017</b> , 42, 553-564	3.1	1
54	Fatty Acid-Binding Proteins, a Family of Lipid Chaperones <b>2017</b> , 1-16		1
53	Independent Link Between Levels of Proprotein Convertase Subtilisin/Kexin Type 9 and FABP4 in a General Population Without Medication. <i>American Journal of Cardiology</i> , <b>2016</b> , 118, 198-203	3	17
52	Reduction of circulating FABP4 level by treatment with omega-3 fatty acid ethyl esters. <i>Lipids in Health and Disease</i> , <b>2016</b> , 15, 5	4.4	31
51	Impact of use of angiotensin II receptor blocker on all-cause mortality in hemodialysis patients: prospective cohort study using a propensity-score analysis. <i>Clinical and Experimental Nephrology</i> , <b>2016</b> , 20, 469-78	2.5	3
50	Possible Increase in Serum FABP4 Level Despite Adiposity Reduction by Canagliflozin, an SGLT2 Inhibitor. <i>PLoS ONE</i> , <b>2016</b> , 11, e0154482	3.7	18
49	Transcriptome and Metabolome Analyses in Exogenous FABP4- and FABP5-Treated Adipose-Derived Stem Cells. <i>PLoS ONE</i> , <b>2016</b> , 11, e0167825	3.7	24
48	Local Production of Fatty Acid-Binding Protein 4 in Epicardial/Perivascular Fat and Macrophages Is Linked to Coronary Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2016</b> , 36, 825-34	9.4	70
47	Reduction of serum FABP4 level by sitagliptin, a DPP-4 inhibitor, in patients with type 2 diabetes mellitus. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 2372-80	6.3	33

46	Urinary angiotensin-converting enzyme 2 in hypertensive patients may be increased by olmesartan, an angiotensin II receptor blocker. <i>American Journal of Hypertension</i> , <b>2015</b> , 28, 15-21	2.3	174
45	FABP4 is secreted from adipocytes by adenylyl cyclase-PKA- and guanylyl cyclase-PKG-dependent lipolytic mechanisms. <i>Obesity</i> , <b>2015</b> , 23, 359-67	8	59
44	Angiotensin II receptor blockers decrease serum concentration of fatty acid-binding protein 4 in patients with hypertension. <i>Hypertension Research</i> , <b>2015</b> , 38, 252-9	4.7	35
43	Emerging issues in radiogenic cataracts and cardiovascular disease. <i>Journal of Radiation Research</i> , <b>2014</b> , 55, 831-46	2.4	55
42	Small-molecule inhibitors of PKR improve glucose homeostasis in obese diabetic mice. <i>Diabetes</i> , <b>2014</b> , 63, 526-34	0.9	47
41	Reduction of endoplasmic reticulum stress by 4-phenylbutyric acid prevents the development of hypoxia-induced pulmonary arterial hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 306, H1314-23	5.2	63
40	Elevation of circulating fatty acid-binding protein 4 is independently associated with left ventricular diastolic dysfunction in a general population. <i>Cardiovascular Diabetology</i> , <b>2014</b> , 13, 126	8.7	57
39	Fatty Acid-Binding Protein 4 (FABP4): Pathophysiological Insights and Potent Clinical Biomarker of Metabolic and Cardiovascular Diseases. <i>Clinical Medicine Insights: Cardiology</i> , <b>2014</b> , 8, 23-33	3.2	156
38	Reduction of endoplasmic reticulum stress inhibits neointima formation after vascular injury. <i>Scientific Reports</i> , <b>2014</b> , 4, 6943	4.9	21
37	Ectopic expression of fatty acid-binding protein 4 in the glomerulus is associated with proteinuria and renal dysfunction. <i>Nephron Clinical Practice</i> , <b>2014</b> , 128, 345-51		32
36	Urinary excretion of fatty acid-binding protein 4 is associated with albuminuria and renal dysfunction. <i>PLoS ONE</i> , <b>2014</b> , 9, e115429	3.7	23
35	Adipocyte lipid chaperone AP2 is a secreted adipokine regulating hepatic glucose production. <i>Cell Metabolism</i> , <b>2013</b> , 17, 768-78	24.6	157
34	Circulating levels of fatty acid-binding protein family and metabolic phenotype in the general population. <i>PLoS ONE</i> , <b>2013</b> , 8, e81318	3.7	88
33	Histopathology of the pancreas in fulminant type 1 diabetes after 23-year follow-up: a case report. <i>Pathology International</i> , <b>2012</b> , 62, 827-9	1.8	1
32	Angiotensin II receptor activation in youth triggers persistent insulin resistance and hypertension—a legacy effect?. <i>Hypertension Research</i> , <b>2012</b> , 35, 334-40	4.7	9
31	Elevation of fatty acid-binding protein 4 is predisposed by family history of hypertension and contributes to blood pressure elevation. <i>American Journal of Hypertension</i> , <b>2012</b> , 25, 1124-30	2.3	62
30	Lipid chaperones and metabolic inflammation. <i>International Journal of Inflammation</i> , <b>2011</b> , 2011, 642612	2.4	76
29	Deterioration of renal function by chronic heart failure is associated with congestion and oxidative stress in the tubulointerstitium. <i>Internal Medicine</i> , <b>2011</b> , 50, 2877-87	1.1	22

28	Serum fatty acid-binding protein 4 is a predictor of cardiovascular events in end-stage renal disease. <i>PLoS ONE</i> , <b>2011</b> , 6, e27356	3.7	66
27	Double-stranded RNA-dependent protein kinase links pathogen sensing with stress and metabolic homeostasis. <i>Cell</i> , <b>2010</b> , 140, 338-48	56.2	384
26	Fatty acid-binding proteins: role in metabolic diseases and potential as drug targets. <i>Nature Reviews Drug Discovery</i> , <b>2008</b> , 7, 489-503	64.1	1002
25	Adipocyte/macrophage fatty acid-binding proteins contribute to metabolic deterioration through actions in both macrophages and adipocytes in mice. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 2640-50	15.9	215
24	A predominant role for parenchymal c-Jun amino terminal kinase (JNK) in the regulation of systemic insulin sensitivity. <i>PLoS ONE</i> , <b>2008</b> , 3, e3151	3.7	89
23	Treatment of diabetes and atherosclerosis by inhibiting fatty-acid-binding protein aP2. <i>Nature</i> , <b>2007</b> , 447, 959-65	50.4	525
22	Coordinated regulation of nutrient and inflammatory responses by STAMP2 is essential for metabolic homeostasis. <i>Cell</i> , <b>2007</b> , 129, 537-48	56.2	157
21	Chemical chaperones reduce ER stress and restore glucose homeostasis in a mouse model of type 2 diabetes. <i>Science</i> , <b>2006</b> , 313, 1137-40	33.3	1921
20	Adipocyte/macrophage fatty acid binding proteins control integrated metabolic responses in obesity and diabetes. <i>Cell Metabolism</i> , <b>2005</b> , 1, 107-19	24.6	358
19	Acute renal failure likely due to acute nephritic syndrome associated with typhoid fever. <i>Internal Medicine</i> , <b>2005</b> , 44, 1074-7	1.1	8
18	Low adiponectin level in young normotensive men with a family history of essential hypertension. <i>Hypertension Research</i> , <b>2005</b> , 28, 141-6	4.7	17
17	Liddle's syndrome caused by a novel mutation in the proline-rich PY motif of the epithelial sodium channel beta-subunit. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2005</b> , 90, 340-4	5.6	58
16	Possible impairment of transcardiac utilization of adiponectin in patients with type 2 diabetes. <i>Diabetes Care</i> , <b>2004</b> , 27, 2217-21	14.6	28
15	Genotype in human CD36 deficiency and diabetes mellitus. <i>Diabetic Medicine</i> , <b>2004</b> , 21, 952-3	3.5	12
14	Blockade of the renin-angiotensin system decreases adipocyte size with improvement in insulin sensitivity. <i>Journal of Hypertension</i> , <b>2004</b> , 22, 1977-82	1.9	137
13	Utility of serum ratio of heart-type fatty acid-binding protein to myoglobin for cardiac damage regardless of renal dysfunction. <i>Circulation Journal</i> , <b>2004</b> , 68, 656-9	2.9	8
12	Right bundle branch block and coved-type ST-segment elevation mimicked by acute cholecystitis. <i>Circulation Journal</i> , <b>2003</b> , 67, 802-4	2.9	9
11	Role of adiponectin in insulin-resistant hypertension and atherosclerosis. <i>Hypertension Research</i> , <b>2003</b> , 26, 705-10	4.7	45

10	The effect of tumor necrosis factor-alpha on tissue specificity and selectivity to insulin signaling. <i>Hypertension Research</i> , <b>2003</b> , 26, 389-96	4.7	22
9	Circulating resistin levels in essential hypertension. <i>Clinical Endocrinology</i> , <b>2003</b> , 59, 507-10	3.4	30
8	Insulin sensitivity and lipid metabolism in human CD36 deficiency. <i>Diabetes Care</i> , <b>2003</b> , 26, 471-4	14.6	58
7	Blockade of the renin-angiotensin system increases adiponectin concentrations in patients with essential hypertension. <i>Hypertension</i> , <b>2003</b> , 42, 76-81	8.5	409
6	Serum ratio of heart-type fatty acid-binding protein to myoglobin. A novel marker of cardiac damage and volume overload in hemodialysis patients. <i>Nephron Clinical Practice</i> , <b>2003</b> , 93, C69-74		13
5	Tissue-specific impairment of insulin signaling in vasculature and skeletal muscle of fructose-fed rats. <i>Hypertension Research</i> , <b>2003</b> , 26, 169-76	4.7	23
4	Sonoclot coagulation analysis: new bedside monitoring for determination of the appropriate heparin dose during haemodialysis. <i>Nephrology Dialysis Transplantation</i> , <b>2002</b> , 17, 1457-62	4.3	21
3	Fenofibrate improves insulin sensitivity in connection with intramuscular lipid content, muscle fatty acid-binding protein, and beta-oxidation in skeletal muscle. <i>Journal of Endocrinology</i> , <b>2002</b> , 174, 321-9	4.7	57
2	Myocardial iodine-123-metaiodobenzylguanidine (123I-MIBG) imaging in Brugada syndrome. <i>Circulation</i> , <b>2002</b> , 106, e59-60; author reply e59-60	16.7	3
1	Prevalence of asymptomatic ST segment elevation in right precordial leads with right bundle branch block (Brugada-type ST shift) among the general Japanese population. <i>British Heart Journal</i> , <b>2001</b> , 86, 161-6		81