Hiroyuki Itabe

List of Publications by Citations

77 papers	4,850 citations	32 h-index	69 g-index
81 ext. papers	5,320 ext. citations	6 avg, IF	5.16 L-index

#	Paper	IF	Citations
77	Elevated levels of oxidized low density lipoprotein show a positive relationship with the severity of acute coronary syndromes. *Circulation*, **2001**, 103, 1955-60	16.7	619
76	Monoclonal autoantibodies specific for oxidized phospholipids or oxidized phospholipid-protein adducts inhibit macrophage uptake of oxidized low-density lipoproteins. *Journal of Clinical Investigation*, **1999**, 103, 117-28	15.9	429
75	Single LDL apheresis improves endothelium-dependent vasodilatation in hypercholesterolemic humans. *Circulation*, **1997**, 95, 76-82	16.7	387
74	Oxidized LDL in carotid plaques and plasma associates with plaque instability. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2002**, 22, 1649-54	9.4	321
73	Circulating oxidized low density lipoprotein levels. A biochemical risk marker for coronary heart disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2000**, 20, 2243-7	9.4	312
72	Identification of major proteins in the lipid droplet-enriched fraction isolated from the human hepatocyte cell line HuH7. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2004**, 1644, 47-59	4.9	258
71	Hemodialysis impairs endothelial function via oxidative stress: effects of vitamin E-coated dialyzer. *Circulation*, **2000**, 101, 1002-6	16.7	182
70	Perilipins: a diversity of intracellular lipid droplet proteins. *Lipids in Health and Disease*, **2017**, 16, 83	4.4	129
69	Heme oxygenase-1 inhibits atherogenesis in Watanabe heritable hyperlipidemic rabbits. *Circulation*, **2001**, 104, 1831-6	16.7	119
68	Localization of oxidized phosphatidylcholine in nonalcoholic fatty liver disease: impact on disease progression. *Hepatology*, **2006**, 43, 506-14	11.2	111
67	ADRP/adipophilin is degraded through the proteasome-dependent pathway during regression of lipid-storing cells. *Journal of Lipid Research*, **2006**, 47, 87-98	6.3	110
66	Oxidized phosphatidylcholines that modify proteins. Analysis by monoclonal antibody against oxidized low density lipoprotein. *Journal of Biological Chemistry*, **1996**, 271, 33208-17	5.4	107
65	Measurement of plasma oxidized low-density lipoprotein and its clinical implications. *Journal of Atherosclerosis and Thrombosis*, **2007**, 14, 1-11	4	106
64	Oxidized low-density lipoproteins: what is understood and what remains to be clarified. *Biological and Pharmaceutical Bulletin*, **2003**, 26, 1-9	2.3	106
63	Oxidized low-density lipoprotein is associated with apoptosis of vascular smooth muscle cells in human atherosclerotic plaques. *Circulation*, **2000**, 102, 2680-6	16.7	100
62	Oxidative modification of LDL: its pathological role in atherosclerosis. *Clinical Reviews in Allergy and Immunology*, **2009**, 37, 4-11	12.3	95
61	Oxidized phospholipids in the macula increase with age and in eyes with age-related macular degeneration. *Molecular Vision*, **2007**, 13, 772-8	2.3	94

60	Oxidized phospholipids as a new landmark in atherosclerosis. *Progress in Lipid Research*, **1998**, 37, 181-207	14.3	74
59	The Dynamics of Oxidized LDL during Atherogenesis. *Journal of Lipids*, **2011**, 2011, 418313	2.7	69
58	Persistent high levels of plasma oxidized low-density lipoprotein after acute myocardial infarction predict stent restenosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 877-83	9.4	62
57	Oxidized low-density lipoprotein as a biomarker of in vivo oxidative stress: from atherosclerosis to periodontitis. *Journal of Clinical Biochemistry and Nutrition*, **2012**, 51, 1-8	3.1	58
56	Protection against oxidative stress-induced hepatic injury by intracellular type II platelet-activating factor acetylhydrolase by metabolism of oxidized phospholipids in vivo. *Journal of Biological Chemistry*, **2008**, 283, 1628-1636	5.4	58
55	Simple and practical sandwich-type enzyme immunoassay for human oxidatively modified low density lipoprotein using antioxidized phosphatidylcholine monoclonal antibody and antihuman apolipoprotein-B antibody. *Clinical Biochemistry*, **2000**, 33, 243-53	3.5	57
54	In vivo and in vitro evidence for the glycoxidation of low density lipoprotein in human atherosclerotic plaques. *Atherosclerosis*, **2000**, 150, 343-55	3.1	57
53	Analysis of modified apolipoprotein B-100 structures formed in oxidized low-density lipoprotein using LC-MS/MS. *Proteomics*, **2007**, 7, 2132-41	4.8	56
52	Transient increase in plasma oxidized LDL during the progression of atherosclerosis in apolipoprotein E knockout mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 33-9	9.4	53
51	Minimally modified LDL is an oxidized LDL enriched with oxidized phosphatidylcholines. *Journal of Biochemistry*, **2003**, 134, 459-65	3.1	45
50	Inhibition of brain damage by edaravone, a free radical scavenger, can be monitored by plasma biomarkers that detect oxidative and astrocyte damage in patients with acute cerebral infarction. *Free Radical Biology and Medicine*, **2005**, 39, 1109-16	7.8	45
49	Pathophysiological role of oxidized low-density lipoprotein in plaque instability in coronary artery diseases. *Journal of Diabetes and Its Complications*, **2002**, 16, 60-4	3.2	38
48	Elevation of plasma oxidized LDL in acute stroke patients is associated with ischemic lesions depicted by DWI and predictive of infarct enlargement. *Neurological Research*, **2005**, 27, 94-102	2.7	35
47	Lysosomal accumulation of oxidized phosphatidylcholine-apolipoprotein B complex in macrophages: intracellular fate of oxidized low density lipoprotein. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2000**, 1487, 233-45	5	33
46	Elevated plasma levels of oxidized low-density lipoprotein relate to the presence of angiographically detected complex and thrombotic coronary artery lesion morphology in patients with unstable angina. *Circulation Journal*, **2007**, 71, 681-7	2.9	32
45	Production of superoxide and dissipation of mitochondrial transmembrane potential by vitamin K2 trigger apoptosis in human ovarian cancer TYK-nu cells. *Apoptosis: an International Journal on Programmed Cell Death*, **2006**, 11, 1535-43	5.4	30
44	Oxidized low-density lipoprotein levels circulating in plasma and deposited in the tissues: comparison between Helicobacter pylori-associated gastritis and acute myocardial infarction. *American Heart Journal*, **2004**, 148, 818-25	4.9	30
43	Lipid peroxidation modification of protein generates Nepsilon-(4-oxononanoyl)lysine as a pro-inflammatory ligand. *Journal of Biological Chemistry*, **2011**, 286, 19943-57	5.4	27

42	Induction of apoptosis in PA-1 ovarian cancer cells by vitamin K2 is associated with an increase in the level of TR3/Nur77 and its accumulation in mitochondria and nuclei. *Journal of Cancer Research and Clinical Oncology*, **2008**, 134, 803-12	4.9	27
41	Docosahexaenoic acid induces adipose differentiation-related protein through activation of retinoid x receptor in human choriocarcinoma BeWo cells. *Biological and Pharmaceutical Bulletin*, **2009**, 32, 1177-82	2.3	26
40	Calpain-6 confers atherogenicity to macrophages by dysregulating pre-mRNA splicing. *Journal of Clinical Investigation*, **2016**, 126, 3417-32	15.9	25
39	A novel 21-kDa cytochrome c-releasing factor is generated upon treatment of human leukemia U937 cells with geranylgeraniol. *Biochemical and Biophysical Research Communications*, **2006**, 346, 454-60	3.4	22
38	Hypertension Enhances Advanced Atherosclerosis and Induces Cardiac Death in Watanabe Heritable Hyperlipidemic Rabbits. *American Journal of Pathology*, **2018**, 188, 2936-2947	5.8	22
37	Characterization of lipid droplets in steroidogenic MLTC-1 Leydig cells: Protein profiles and the morphological change induced by hormone stimulation. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2015**, 1851, 1285-95	5	21
36	Time course-changes in phosphatidylcholine profile during oxidative modification of low-density lipoprotein. *Lipids in Health and Disease*, **2014**, 13, 48	4.4	19
35	Crucial role of perilipin-3 (TIP47) in formation of lipid droplets and PGE2 production in HL-60-derived neutrophils. *PLoS ONE*, **2013**, 8, e71542	3.7	19
34	Oxidized low-density lipoprotein-induced periodontal inflammation is associated with the up-regulation of cyclooxygenase-2 and microsomal prostaglandin synthase 1 in human gingival epithelial cells. *Biochemical and Biophysical Research Communications*, **2011**, 413, 566-71	3.4	18
33	Olanzapine promotes the accumulation of lipid droplets and the expression of multiple perilipins in human adipocytes. *Biochemical and Biophysical Research Communications*, **2015**, 467, 906-12	3.4	15
32	Add-on effect of probucol in atherosclerotic, cholesterol-fed rabbits treated with atorvastatin. *PLoS ONE*, **2014**, 9, e96929	3.7	15
31	Appearance of cross linked proteins in human atheroma and rat pre-fibrotic liver detected by a new monoclonal antibody. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **1998**, 1406, 28-39	6.9	14
30	Cooperative Action of Oxidized Low-Density Lipoproteins and Neutrophils on Endothelial Inflammatory Responses Through Neutrophil Extracellular Trap Formation. *Frontiers in Immunology*, **2019**, 10, 1899	8.4	13
29	Preferential hydrolysis of oxidized phospholipids by peritoneal fluid of rats treated with casein. *Lipids and Lipid Metabolism*, **1988**, 963, 192-200		13
28	Quantitative proteomic analysis of gingival crevicular fluids from deciduous and permanent teeth. *Journal of Clinical Periodontology*, **2017**, 44, 353-362	7.7	12
27	Onion-bulb formation after a single compression injury in the macrophage scavenger receptor knockout mice. *Experimental Neurology*, **2000**, 166, 83-9	5.7	11
26	The Significance of Oxidized Low-Density Lipoprotein in Body Fluids as a Marker Related to Diseased Conditions. *Current Medicinal Chemistry*, **2019**, 26, 1576-1593	4.3	11
25	Positive association between plasma levels of oxidized low-density lipoprotein and myeloperoxidase after hemodialysis in patients with diabetic end-stage renal disease. *Hemodialysis International*, **2013**, 17, 557-67	1.7	10

24	Glucagon regulates intracellular distribution of adipose differentiation-related protein during triacylglycerol accumulation in the liver. *Journal of Lipid Research*, **2010**, 51, 2571-80	6.3	10
23	Proteomics of human glomerulonephritis by laser microdissection and liquid chromatography-tandem mass spectrometry. *Nephrology*, **2020**, 25, 351-359	2.2	10
22	Neutrophils as a Novel Target of Modified Low-Density Lipoproteins and an Accelerator of Cardiovascular Diseases. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	9
21	Circulating oxidized LDL, increased in patients with acute myocardial infarction, is accompanied by heavily modified HDL. *Journal of Lipid Research*, **2020**, 61, 816-829	6.3	8
20	Comparison of protein profiles of the pellicle, gingival crevicular fluid, and saliva: possible origin of pellicle proteins. *Biological Research*, **2020**, 53, 3	7.6	8
19	The apolipoprotein B concentration in gingival crevicular fluid increases in patients with diabetes mellitus. *Clinical Biochemistry*, **2014**, 47, 67-71	3.5	8
18	Dietary cholesterol reduces plasma triacylglycerol in apolipoprotein E-null mice: suppression of lipin-1 and -2 in the glycerol-3-phosphate pathway. *PLoS ONE*, **2011**, 6, e22917	3.7	7
17	The group VIA calcium-independent phospholipase A and NFATc4 pathway mediates IL-1β induced expression of chemokines CCL2 and CXCL10 in rat fibroblasts. *FEBS Journal*, **2018**, 285, 2056-2070	5.7	6
16	Transfer and Enzyme-Mediated Metabolism of Oxidized Phosphatidylcholine and Lysophosphatidylcholine between Low- and High-Density Lipoproteins. *Antioxidants*, **2020**, 9,	7.1	5
15	Characterization of vitronectins in atherosclerotic lesions. *Journal of Atherosclerosis and Thrombosis* , **1996**, 3, 25-31	4	5
14	Temporal and spatial changes of peroxiredoxin 2 levels in aortic media at very early stages of atherosclerotic lesion formation in apoE-knockout mice. *Free Radical Biology and Medicine*, **2019**, 130, 348-360	7.8	5
13	A Standard Intervention Practice to Promote Appropriate Lamotrigine Therapy by Pharmacists. *Biological and Pharmaceutical Bulletin*, **2018**, 41, 465-469	2.3	3
12	Structure and Dynamics of Oxidized Lipoproteins In Vivo: Roles of High-Density Lipoprotein. *Biomedicines*, **2021**, 9,	4.8	3
11	Circulating oxidized lipoproteins and cardiovascular risk. *Current Cardiovascular Risk Reports*, **2009**, 3, 18-22	0.9	2
10	Searching for Oxidized Low-Density Lipoproteins In Vivo. *Journal of Clinical Biochemistry and Nutrition*, **2005**, 37, 1-8	3.1	2
9	A New Anti-oxidized LDL Monoclonal Antibody that Recognizes Foam Cells. *The Journal of Japan Atherosclerosis Society*, **1994**, 22, 275-280		1
8	Quantification of mouse oxidized low-density lipoprotein by sandwich ELISA **2008**, 139-142		
7	Lipoprotein Modification and Atherosclerosis **2000**, 49, 687-694,732		

6	1. Atherosclerosis and oxidative stress (L2-A Atherosclerosis : Basic research and current clinical issues). *Japanese Journal of Neurosurgery*, **2004**, 13, 316	0
5	The Possible Origin of Oxidized Low-Density Lipoproteins in the Circulation. *Journal of Clinical Biochemistry and Nutrition*, **2004**, 34, 25-34	3.1
4	Increased oxidative biomarker in plasma reflects the cerebral oxidative damage in rats. *Journal of Cerebral Blood Flow and Metabolism*, **2005**, 25, S442-S442	7.3
3	Imbalance between oxidant/antioxidant systems contributes to plaque vulnerability in patients who underwent carotid endarterectomy. *Journal of Cerebral Blood Flow and Metabolism*, **2005**, 25, S125-S125	7.3
2	Standard Pharmacist Intervention Checklist to Improve the Appropriate Use of Medications for Inpatients with Polypharmacy. *BPB Reports*, **2020**, 3, 196-201	0.3
1	Modified structures and metabolism of oxidized LDL. *The Journal of Japan Atherosclerosis Society*, **1998**, 26, 17-21	