

# David S Leake

## List of Publications by Year in descending order

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86  
papers

4,383  
citations

126907

33  
h-index

106344

65  
g-index

87  
all docs

87  
docs citations

87  
times ranked

4600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flavonoids inhibit the oxidative modification of low density lipoproteins by macrophages. <i>Biochemical Pharmacology</i> , 1990, 39, 1743-1750.	4.4	566
2	Role of Nrf2 in the Regulation of CD36 and Stress Protein Expression in Murine Macrophages. <i>Circulation Research</i> , 2004, 94, 609-616.	4.5	388
3	Lipoprotein-associated phospholipase A2, platelet-activating factor acetylhydrolase, generates two bioactive products during the oxidation of low-density lipoprotein: use of a novel inhibitor. <i>Biochemical Journal</i> , 1999, 338, 479-487.	3.7	307
4	In Vitro Antioxidant Activity of Coffee Compounds and Their Metabolites. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 6962-6969.	5.2	192
5	Effects of dairy products naturally enriched with cis-9,trans-11 conjugated linoleic acid on the blood lipid profile in healthy middle-aged men. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 744-753.	4.7	148
6	Induction of heme oxygenase 1 by moderately oxidized low-density lipoproteins in human vascular smooth muscle cells: Role of mitogen-activated protein kinases and Nrf2. <i>Free Radical Biology and Medicine</i> , 2005, 39, 227-236.	2.9	127
7	Prooxidant and antioxidant properties of human serum ultrafiltrates toward LDL: important role of uric acid. <i>Journal of Lipid Research</i> , 2003, 44, 512-521.	4.2	124
8	Vitamin C Protects Human Vascular Smooth Muscle Cells Against Apoptosis Induced by Moderately Oxidized LDL Containing High Levels of Lipid Hydroperoxides. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 2387-2394.	2.4	105
9	Inhibition of lipoprotein-associated phospholipase A2 diminishes the death-inducing effects of oxidised LDL on human monocyte-macrophages. <i>FEBS Letters</i> , 2001, 505, 357-363.	2.8	103
10	Lipoprotein-associated phospholipase A2, platelet-activating factor acetylhydrolase, generates two bioactive products during the oxidation of low-density lipoprotein: use of a novel inhibitor. <i>Biochemical Journal</i> , 1999, 338, 479.	3.7	101
11	Does an acidic pH explain why low density lipoprotein is oxidised in atherosclerotic lesions?. <i>Atherosclerosis</i> , 1997, 129, 149-157.	0.8	100
12	Effects of oxidised low density lipoprotein on dendritic cells: a possible immunoregulatory component of the atherogenic micro-environment?. <i>Cardiovascular Research</i> , 2002, 55, 806-819.	3.8	96
13	Practical Approaches to Low Density Lipoprotein Oxidation: Whys, Wherefores and Pitfalls. <i>Free Radical Research</i> , 1996, 25, 285-311.	3.3	92
14	Acidic pH enables caeruloplasmin to catalyse the modification of low-density lipoprotein. <i>FEBS Letters</i> , 1994, 338, 122-126.	2.8	87
15	Low Density Lipoprotein Undergoes Oxidation Within Lysosomes in Cells. <i>Circulation Research</i> , 2007, 100, 1337-1343.	4.5	80
16	Induction of the antioxidant stress proteins heme oxygenase-1 and MSP23 by stress agents and oxidised LDL in cultured vascular smooth muscle cells. <i>FEBS Letters</i> , 1995, 368, 239-242.	2.8	75
17	Transition metal ions within human atherosclerotic lesions can catalyse the oxidation of low density lipoprotein by macrophages. <i>FEBS Letters</i> , 1995, 374, 12-16.	2.8	73
18	The interaction between ruptured erythrocytes and low-density lipoproteins. <i>FEBS Letters</i> , 1992, 303, 154-158.	2.8	64

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19	The oxidative modification of low density lipoprotein by human lymphocytes. <i>Atherosclerosis</i> , 1992, 92, 187-192.	0.8	63
20	Oxidized low-density lipoproteins induce rapid platelet activation and shape change through tyrosine kinase and Rho kinase signaling pathways. <i>Blood</i> , 2013, 122, 580-589.	1.4	59
21	Iron released from transferrin at acidic pH can catalyse the oxidation of low density lipoprotein. <i>FEBS Letters</i> , 1994, 352, 15-18.	2.8	56
22	The modification of low density lipoprotein by the flavonoids myricetin and gossypetin. <i>Biochemical Pharmacology</i> , 1993, 45, 67-75.	4.4	55
23	Oxidisability of low density lipoproteins in patients with carotid or femoral artery atherosclerosis. <i>Atherosclerosis</i> , 1995, 112, 77-84.	0.8	54
24	Vitamin C Protects Human Arterial Smooth Muscle Cells Against Atherogenic Lipoproteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998, 18, 1662-1670.	2.4	53
25	The effect of inhibitors of free radical generating-enzymes on low-density lipoprotein oxidation by macrophages. <i>Lipids and Lipid Metabolism</i> , 1994, 1211, 69-78.	2.6	48
26	Human serum, cysteine and histidine inhibit the oxidation of low density lipoprotein less at acidic pH. <i>FEBS Letters</i> , 1998, 434, 317-321.	2.8	48
27	Common variants of apolipoprotein A-IV differ in their ability to inhibit low density lipoprotein oxidation. <i>Atherosclerosis</i> , 2007, 192, 266-274.	0.8	47
28	The oxidation of low density lipoprotein by cells or iron is inhibited by zinc. <i>FEBS Letters</i> , 1994, 341, 259-262.	2.8	45
29	The effect of EDTA on the oxidation of low density lipoprotein. <i>Atherosclerosis</i> , 1992, 94, 35-42.	0.8	44
30	Properties and subcellular localization of elastase-like activities of arterial smooth muscle cells in culture. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1983, 761, 41-47.	2.4	42
31	Ascorbic acid can either increase or decrease low density lipoprotein modification. <i>FEBS Letters</i> , 1994, 341, 263-267.	2.8	40
32	Measurement of Copper-Binding Sites on Low Density Lipoprotein. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 594-602.	2.4	39
33	Saturated fat-induced changes in Sf 60 <sup>nm</sup> 400 particle composition reduces uptake of LDL by HepG2 cells. <i>Journal of Lipid Research</i> , 2006, 47, 393-403.	4.2	36
34	Antioxidant activity and protective effects of green and dark coffee components against human low density lipoprotein oxidation. <i>European Food Research and Technology</i> , 2008, 227, 1017-1024.	3.3	35
35	The effects of ascorbate and dehydroascorbate on the oxidation of low-density lipoprotein. <i>Biochemical Journal</i> , 1996, 320, 373-381.	3.7	33
36	Effect of low extracellular pH on NF- $\kappa$ B activation in macrophages. <i>Atherosclerosis</i> , 2014, 233, 537-544.	0.8	32

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37	Lysosomal oxidation of LDL alters lysosomal pH, induces senescence, and increases secretion of pro-inflammatory cytokines in human macrophages. <i>Journal of Lipid Research</i> , 2019, 60, 98-110.	4.2	32
38	A novel method for production of lipid hydroperoxide- or oxysterol-rich low-density lipoprotein. <i>Atherosclerosis</i> , 2008, 197, 579-587.	0.8	30
39	Macrophage antioxidant protection within atherosclerotic plaques. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 1230.	3.0	30
40	Oxidation of Low-Density Lipoprotein by Iron at Lysosomal pH: Implications for Atherosclerosis. <i>Biochemistry</i> , 2012, 51, 3767-3775.	2.5	30
41	Mechanisms by which cysteine can inhibit or promote the oxidation of low density lipoprotein by copper. <i>Atherosclerosis</i> , 2003, 169, 87-94.	0.8	29
42	Properties and subcellular localization of adenosine diphosphatase in arterial smooth muscle cells in culture. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1983, 762, 52-57.	4.1	27
43	Proteolytic degradation of low density lipoproteins by arterial smooth muscle cells. <i>Lipids and Lipid Metabolism</i> , 1981, 664, 108-116.	2.6	26
44	Acidic pH increases the oxidation of LDL by macrophages. <i>FEBS Letters</i> , 1993, 333, 275-279.	2.8	26
45	Induction of antioxidant stress proteins in vascular endothelial and smooth muscle cells: Protective action of vitamin C against atherogenic lipoproteins. <i>Free Radical Research</i> , 1999, 31, 309-318.	3.3	25
46	Degree of oxidation of low density lipoprotein affects expression of CD36 and PPAR $\alpha$ , but not cytokine production, by human monocyte-macrophages. <i>Atherosclerosis</i> , 2003, 168, 271-282.	0.8	25
47	Subcellular Localization of Adenosine Diphosphatase in Cultured Pig Arterial Endothelial Cells. <i>Thrombosis and Haemostasis</i> , 1982, 47, 249-253.	3.4	25
48	The effects of pH on the oxidation of low-density lipoprotein by copper and metmyoglobin are different. <i>FEBS Letters</i> , 1997, 406, 37-41.	2.8	23
49	Oxidation of low density lipoprotein by bovine and porcine aortic endothelial cells and porcine endocardial cells in culture. <i>Atherosclerosis</i> , 1993, 102, 209-216.	0.8	22
50	Lipid accumulation in arterial smooth muscle cells in culture Morphological and biochemical changes caused by low density lipoproteins and chloroquine. <i>Atherosclerosis</i> , 1982, 44, 275-291.	0.8	21
51	Macrophages possess both neutral and acidic protease activities toward low density lipoproteins. <i>Atherosclerosis</i> , 1989, 79, 71-78.	0.8	21
52	The effect of macrophage stimulation on the uptake of acetylated low-density lipoproteins. <i>Lipids and Lipid Metabolism</i> , 1989, 1005, 196-200.	2.6	21
53	Cysteamine inhibits lysosomal oxidation of low density lipoprotein in human macrophages and reduces atherosclerosis in mice. <i>Atherosclerosis</i> , 2019, 291, 9-18.	0.8	21
54	Ascorbate does not protect macrophages against apoptosis induced by oxidised low density lipoprotein. <i>Archives of Biochemistry and Biophysics</i> , 2006, 455, 68-76.	3.0	20

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55	Quantitative studies of pinocytosis by arterial endothelial and smooth muscle cells in culture. <i>Experimental and Molecular Pathology</i> , 1981, 35, 84-97.	2.1	19
56	The modification of low-density lipoproteins by macrophages in relation to atherosclerosis. <i>Biochemical Society Transactions</i> , 1987, 15, 485-486.	3.4	18
57	Free radicals and low-density lipoprotein oxidation by macrophages. <i>Biochemical Society Transactions</i> , 1990, 18, 1170-1171.	3.4	17
58	Antioxidants inhibit low density lipoprotein oxidation less at lysosomal pH: A possible explanation as to why the clinical trials of antioxidants might have failed. <i>Chemistry and Physics of Lipids</i> , 2018, 213, 13-24.	3.2	17
59	Mechanism of the antioxidant to pro-oxidant switch in the behavior of dehydroascorbate during LDL oxidation by copper(II) ions. <i>Archives of Biochemistry and Biophysics</i> , 2007, 465, 303-314.	3.0	16
60	High-resolution mapping of the frequency of lipid deposits in thoracic aortae from cholesterol-fed and heritable hyperlipidaemic rabbits. <i>Atherosclerosis</i> , 1996, 120, 249-253.	0.8	15
61	Aqueous peroxy radical exposure to THP-1 cells causes glutathione loss followed by protein oxidation and cell death without increased caspase-3 activity. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 945-953.	4.1	14
62	Macrophage proteases can modify low density lipoproteins to increase their uptake by macrophages. <i>FEBS Letters</i> , 1990, 269, 209-212.	2.8	13
63	Flavonoids and the oxidation of low-density lipoprotein. <i>Nutrition</i> , 2001, 17, 63-66.	2.4	12
64	Modification of low-density lipoproteins by flavonoids. <i>Biochemical Society Transactions</i> , 1990, 18, 1172-1173.	3.4	11
65	Properties and Subcellular Localization of Acid Phosphatase Activity in Cultured Arterial Smooth Muscle Cells. <i>FEBS Journal</i> , 1982, 128, 557-563.	0.2	11
66	The synthetic glycolipid-based TLR4 antagonist FP7 negatively regulates <i>in vitro</i> and <i>in vivo</i> haematopoietic and non-haematopoietic vascular TLR4 signalling. <i>Innate Immunity</i> , 2018, 24, 411-421.	2.4	11
67	Cysteamine Decreases Low-Density Lipoprotein Oxidation, Causes Regression of Atherosclerosis, and Improves Liver and Muscle Function in Low-Density Lipoprotein Receptor-Deficient Mice. <i>Journal of the American Heart Association</i> , 2021, 10, e017524.	3.7	11
68	NADPH Oxidase Is Not Essential for Low-Density Lipoprotein Oxidation by Human Monocyte-Derived Macrophages. <i>Biochemical and Biophysical Research Communications</i> , 1994, 202, 1300-1307.	2.1	10
69	The effects of free radical scavengers on the oxidation of low-density lipoproteins by macrophages. <i>Lipids and Lipid Metabolism</i> , 1994, 1215, 250-258.	2.6	9
70	Non-oxidative modification of native low-density lipoprotein by oxidized low-density lipoprotein. <i>Biochemical Journal</i> , 1996, 316, 377-380.	3.7	8
71	Low density lipoprotein oxidation by ferritin at lysosomal pH. <i>Chemistry and Physics of Lipids</i> , 2018, 217, 51-57.	3.2	8
72	Quantitative Studies of Pinocytic Uptake of 125I-Labelled Polyvinylpyrrolidone by Pig Aortic Smooth-Muscle Cells in Culture. <i>Biochemical Society Transactions</i> , 1977, 5, 130-133.	3.4	7

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73	A moderate reduction in extracellular pH protects macrophages against apoptosis induced by oxidized low density lipoprotein. <i>Journal of Lipid Research</i> , 2008, 49, 782-789.	4.2	7
74	Subcellular fractionation of arterial smooth muscle cells laden with lipid following incubation with low density lipoproteins and chloroquine. <i>Experimental and Molecular Pathology</i> , 1983, 38, 82-99.	2.1	5
75	A large proportion of the acid phosphatase activity in arterial smooth-muscle cells is associated with the plasma membrane. <i>Biochemical Society Transactions</i> , 1982, 10, 35-36.	3.4	4
76	Modification of the rate of pinocytosis in arterial smooth muscle cells in culture. <i>Experimental and Molecular Pathology</i> , 1982, 36, 262-275.	2.1	4
77	Non-oxidative modification of low density lipoprotein by ruptured myocytes. <i>FEBS Letters</i> , 1997, 414, 576-580.	2.8	4
78	Quantitative immunohistochemical detection of oxidized low density lipoprotein in the rabbit arterial wall. <i>Experimental and Molecular Pathology</i> , 1999, 65, 121-140.	2.1	4
79	Oxidation affects the flow-induced aggregation of low density lipoprotein and its inhibition by albumin. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2003, 1634, 24-29.	2.4	4
80	Effect of vitamin E on low density lipoprotein oxidation at lysosomal pH. <i>Free Radical Research</i> , 2020, 54, 574-584.	3.3	4
81	Vitamins E and C do not effectively inhibit low density lipoprotein oxidation by ferritin at lysosomal pH. <i>Free Radical Research</i> , 2021, 55, 525-534.	3.3	3
82	The effects of acetylated low-density lipoproteins on fluid-phase pinocytosis by macrophages. <i>FEBS Journal</i> , 1989, 182, 407-412.	0.2	2
83	Macrophages contain neutral protease activity toward low-density lipoproteins. <i>Biochemical Society Transactions</i> , 1986, 14, 1084-1085.	3.4	1
84	Lysosomal engorgement inhibits fluid-phase pinocytosis in macrophages. <i>Biochemical Society Transactions</i> , 1987, 15, 432-433.	3.4	1
85	CD4-positive T-lymphocytes can oxidatively modify low density lipoprotein. <i>Biochemical Society Transactions</i> , 1993, 21, 132S-132S.	3.4	1
86	Receptor-mediated endocytosis or pinocytosis?. <i>Trends in Biochemical Sciences</i> , 1986, 11, 509.	7.5	0