Stanley L Hazen

List of Publications by Year
in descending order

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312	55,811	952 115	1222 227
papers	citations	h-index	g-index

321	321	321	44280
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gut flora metabolism of phosphatidylcholine promotes cardiovascular disease. Nature, 2011, 472, 57-63.	27.8	4,238
2	Intestinal microbiota metabolism of l-carnitine, a nutrient in red meat, promotes atherosclerosis. Nature Medicine, 2013, 19, 576-585.	30.7	3,355
3	Intestinal Microbial Metabolism of Phosphatidylcholine and Cardiovascular Risk. New England Journal of Medicine, 2013, 368, 1575-1584.	27.0	2,537
4	A comprehensive 1000 Genomesâ€“based genome-wide association meta-analysis of coronary artery disease. Nature Genetics, 2015, 47, 1121-1130.	21.4	2,054
5	Gut Microbial Metabolite TMAO Enhances Platelet Hyperreactivity and Thrombosis Risk. Cell, 2016, 165, 111-124.	28.9	1,358
6	Gut Microbiota in Cardiovascular Health and Disease. Circulation Research, 2017, 120, 1183-1196.	4.5	1,079
7	Prognostic Value of Myeloperoxidase in Patients with Chest Pain. New England Journal of Medicine, 2003, 349, 1595-1604.	27.0	981
8	Non-lethal Inhibition of Gut Microbial Trimethylamine Production for the Treatment of Atherosclerosis. Cell, 2015, 163, 1585-1595.	28.9	974
9	Gut Microbiota-Dependent Trimethylamine N -Oxide (TMAO) Pathway Contributes to Both Development of Renal Insufficiency and Mortality Risk in Chronic Kidney Disease. Circulation Research, 2015, 116, 448-455.	4.5	898
10	Targeted disruption of the class B scavenger receptor CD36 protects against atherosclerotic lesion development in mice. Journal of Clinical Investigation, 2000, 105, 1049-1056.	8.2	861
11	Trimethylamine-N-Oxide, a Metabolite Associated with Atherosclerosis, Exhibits Complex Genetic and Dietary Regulation. Cell Metabolism, 2013, 17, 49-60.	16.2	794
12	Myeloperoxidase and Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 1102-1111.	2.4	653
13	Protein carbamylation links inflammation, smoking, uremia and atherogenesis. Nature Medicine, 2007, 13, 1176-1184.	30.7	601
14	Apolipoprotein A-I is a selective target for myeloperoxidase-catalyzed oxidation and functional impairment in subjects with cardiovascular disease. Journal of Clinical Investigation, 2004, 114, 529-541.	8.2	584
15	Exome sequencing identifies rare LDLR and APOA5 alleles conferring risk for myocardial infarction. Nature, 2015, 518, 102-106.	27.8	581
16	Trimethylamine Nâ€Oxide Promotes Vascular Inflammation Through Signaling of Mitogenâ€Activated Protein Kinase and Nuclear Factorâ€ºB. Journal of the American Heart Association, 2016, 5, .	3.7	579
17	Myeloperoxidase-generated oxidants and atherosclerosis. Free Radical Biology and Medicine, 2000, 28, 1717-1725.	2.9	541
18	Prognostic Value of Elevated Levels of Intestinal Microbe-Generated Metabolite Trimethylamine-N-Oxide in Patients With Heart Failure. Journal of the American College of Cardiology, 2014, 64, 1908-1914.	2.8	533

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19	The contributory role of gut microbiota in cardiovascular disease. Journal of Clinical Investigation, 2014, 124, 4204-4211.	8.2	519
20	Identification of ADAMTS7 as a novel locus for coronary atherosclerosis and association of ABO with myocardial infarction in the presence of coronary atherosclerosis: two genome-wide association studies. Lancet, The, 2011, 377, 383-392.	13.7	466
21	Relationship of Paraoxonase 1 (PON1) Gene Polymorphisms and Functional Activity With Systemic Oxidative Stress and Cardiovascular Risk. JAMA - Journal of the American Medical Association, 2008, 299, 1265.	7.4	463
22	Prognostic value of choline and betaine depends on intestinal microbiota-generated metabolite trimethylamine-N-oxide. European Heart Journal, 2014, 35, 904-910.	2.2	463
23	A Tale of Two Controversies. Journal of Biological Chemistry, 2002, 277, 17415-17427.	3.4	452
24	Dietary metabolism, the gut microbiome, and heart failure. Nature Reviews Cardiology, 2019, 16, 137-154.	13.7	449
25	Myeloperoxidase-generated reactive nitrogen species convert LDL into an atherogenic form in vitro. Journal of Clinical Investigation, 1999, 103, 1547-1560.	8.2	428
26	A CD36-dependent signaling cascade is necessary for macrophage foam cell formation. Cell Metabolism, 2006, 4, 211-221.	16.2	425
27	Gut Microbiota and Cardiovascular Disease. Circulation Research, 2020, 127, 553-570.	4.5	424
28	Reactive Nitrogen Intermediates Promote Low Density Lipoprotein Oxidation in Human Atherosclerotic Intima. Journal of Biological Chemistry, 1997, 272, 1433-1436.	3.4	422
29	Platelet CD36 links hyperlipidemia, oxidant stress and a prothrombotic phenotype. Nature Medicine, 2007, 13, 1086-1095.	30.7	420
30	Î³-Butyrobetaine Is a Proatherogenic Intermediate in Gut Microbial Metabolism of L-Carnitine to TMAO. Cell Metabolism, 2014, 20, 799-812.	16.2	416
31	Association of Nitrotyrosine Levels With Cardiovascular Disease and Modulation by Statin Therapy. JAMA - Journal of the American Medical Association, 2003, 289, 1675.	7.4	401
32	Transmission of Atherosclerosis Susceptibility with Gut Microbial Transplantation. Journal of Biological Chemistry, 2015, 290, 5647-5660.	3.4	400
33	A Cardiovascular Disease-Linked Gut Microbial Metabolite Acts via Adrenergic Receptors. Cell, 2020, 180, 862-877.e22.	28.9	397
34	Identification of a Novel Family of Oxidized Phospholipids That Serve as Ligands for the Macrophage Scavenger Receptor CD36. Journal of Biological Chemistry, 2002, 277, 38503-38516.	3.4	389
35	Development of a gut microbeâ€“targeted nonlethal therapeutic to inhibit thrombosis potential. Nature Medicine, 2018, 24, 1407-1417.	30.7	383
36	Oxidized phosphatidylserineâ€“CD36 interactions play an essential role in macrophage-dependent phagocytosis of apoptotic cells. Journal of Experimental Medicine, 2006, 203, 2613-2625.	8.5	381

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37	Statins Promote Potent Systemic Antioxidant Effects Through Specific Inflammatory Pathways. Circulation, 2003, 108, 426-431.	1.6	380
38	Macrophage scavenger receptor CD36 is the major receptor for LDL modified by monocyte-generated reactive nitrogen species. Journal of Clinical Investigation, 2000, 105, 1095-1108.	8.2	371
39	Myeloperoxidase Functions as a Major Enzymatic Catalyst for Initiation of Lipid Peroxidation at Sites of Inflammation. Journal of Biological Chemistry, 2002, 277, 46116-46122.	3.4	370
40	The Gut Microbial Endocrine Organ: Bacterially Derived Signals Driving Cardiometabolic Diseases. Annual Review of Medicine, 2015, 66, 343-359.	12.2	350
41	Nitric Oxide Is a Physiological Substrate for Mammalian Peroxidases. Journal of Biological Chemistry, 2000, 275, 37524-37532.	3.4	342
42	A Novel Family of Atherogenic Oxidized Phospholipids Promotes Macrophage Foam Cell Formation via the Scavenger Receptor CD36 and Is Enriched in Atherosclerotic Lesions. Journal of Biological Chemistry, 2002, 277, 38517-38523.	3.4	333
43	Apolipoprotein A-I is a selective target for myeloperoxidase-catalyzed oxidation and functional impairment in subjects with cardiovascular disease. Journal of Clinical Investigation, 2004, 114, 529-541.	8.2	333
44	Serum Myeloperoxidase Levels Independently Predict Endothelial Dysfunction in Humans. Circulation, 2004, 110, 1134-1139.	1.6	332
45	Gut microbiota-dependent trimethylamine N-oxide in acute coronary syndromes: a prognostic marker for incident cardiovascular events beyond traditional risk factors. European Heart Journal, 2017, 38, ehw582.	2.2	317
46	An abundant dysfunctional apolipoprotein A1 in human atheroma. Nature Medicine, 2014, 20, 193-203.	30.7	316
47	The TMAO-Generating Enzyme Flavin Monooxygenase 3 Is a Central Regulator of Cholesterol Balance. Cell Reports, 2015, 10, 326-338.	6.4	307
48	High-Density Lipoprotein Function, Dysfunction, and Reverse Cholesterol Transport. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2813-2820.	2.4	304
49	Microbial modulation of cardiovascular disease. Nature Reviews Microbiology, 2018, 16, 171-181.	28.6	301
50	Intestinal Microbiota in Cardiovascular Health and Disease. Journal of the American College of Cardiology, 2019, 73, 2089-2105.	2.8	301
51	Impact of chronic dietary red meat, white meat, or non-meat protein on trimethylamine N-oxide metabolism and renal excretion in healthy men and women. European Heart Journal, 2019, 40, 583-594.	2.2	297
52	Trans-ancestry genome-wide association study identifies 12 genetic loci influencing blood pressure and implicates a role for DNA methylation. Nature Genetics, 2015, 47, 1282-1293.	21.4	294
53	Increased atherosclerosis in myeloperoxidase-deficient mice. Journal of Clinical Investigation, 2001, 107, 419-430.	8.2	292
54	Oxidative and nitrosative events in asthma. Free Radical Biology and Medicine, 2003, 35, 213-225.	2.9	279

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55	Intestinal Microbiota-Dependent Phosphatidylcholine Metabolites, Diastolic Dysfunction, and Adverse Clinical Outcomes in Chronic Systolic Heart Failure. Journal of Cardiac Failure, 2015, 21, 91-96.	1.7	271
56	Paradoxical Association of Enhanced Cholesterol Efflux With Increased Incident Cardiovascular Risks. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1696-1705.	2.4	269
57	Choline Diet and Its Gut Microbeâ€“Derived Metabolite, Trimethylamine N-Oxide, Exacerbate Pressure Overloadâ€“Induced Heart Failure. Circulation: Heart Failure, 2016, 9, e002314.	3.9	265
58	Fifteen new risk loci for coronary artery disease highlight arterial-wall-specific mechanisms. Nature Genetics, 2017, 49, 1113-1119.	21.4	260
59	Measurement of trimethylamine-N-oxide by stable isotope dilution liquid chromatography tandem mass spectrometry. Analytical Biochemistry, 2014, 455, 35-40.	2.4	257
60	Eosinophils Are a Major Source of Nitric Oxide-Derived Oxidants in Severe Asthma: Characterization of Pathways Available to Eosinophils for Generating Reactive Nitrogen Species. Journal of Immunology, 2001, 166, 5763-5772.	0.8	255
61	Eosinophils generate brominating oxidants in allergen-induced asthma. Journal of Clinical Investigation, 2000, 105, 1455-1463.	8.2	255
62	Flavin containing monooxygenase 3 exerts broad effects on glucose and lipid metabolism and atherosclerosis. Journal of Lipid Research, 2015, 56, 22-37.	4.2	254
63	The Lipid Whisker Model of the Structure of Oxidized Cell Membranes. Journal of Biological Chemistry, 2008, 283, 2385-2396.	3.4	249
64	Relationships between gut microbiota, plasma metabolites, and metabolic syndrome traits in the METSIM cohort. Genome Biology, 2017, 18, 70.	8.8	245
65	Eosinophil Peroxidase Nitrates Protein Tyrosyl Residues. Journal of Biological Chemistry, 1999, 274, 25933-25944.	3.4	242
66	Mass spectrometric profiling of oxidized lipid products in human nonalcoholic fatty liver disease and nonalcoholic steatohepatitis. Journal of Lipid Research, 2010, 51, 3046-3054.	4.2	237
67	Modification of High Density Lipoprotein by Myeloperoxidase Generates a Pro-inflammatory Particle. Journal of Biological Chemistry, 2009, 284, 30825-30835.	3.4	228
68	Myeloperoxidase, paraoxonase-1, and HDL form a functional ternary complex. Journal of Clinical Investigation, 2013, 123, 3815-3828.	8.2	226
69	Myeloperoxidase and Plasminogen Activator Inhibitor 1 Play a Central Role in Ventricular Remodeling after Myocardial Infarction. Journal of Experimental Medicine, 2003, 197, 615-624.	8.5	224
70	Gut Microbiotaâ€“Dependent Trimethylamine N -Oxide Predicts Risk of Cardiovascular Events in Patients With Stroke and Is Related to Proinflammatory Monocytes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2225-2235.	2.4	219
71	l-Carnitine in omnivorous diets induces an atherogenic gut microbial pathway in humans. Journal of Clinical Investigation, 2018, 129, 373-387.	8.2	216
72	Formation of Nitric Oxideâ€“Derived Oxidants by Myeloperoxidase in Monocytes. Circulation Research, 1999, 85, 950-958.	4.5	214

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73	Gut Microbe-Generated Trimethylamine N -Oxide From Dietary Choline Is Prothrombotic in Subjects. Circulation, 2017, 135, 1671-1673.	1.6	206
74	The Cardioprotective Protein Apolipoprotein A1 Promotes Potent Anti-tumorigenic Effects. Journal of Biological Chemistry, 2013, 288, 21237-21252.	3.4	204
75	Molecular Chlorine Generated by the Myeloperoxidase-Hydrogen Peroxide-Chloride System of Phagocytes Converts Low Density Lipoprotein Cholesterol into a Family of Chlorinated Sterols. Journal of Biological Chemistry, 1996, 271, 23080-23088.	3.4	201
76	Oxidation increases mucin polymer cross-links to stiffen airway mucus gels. Science Translational Medicine, 2015, 7, 276ra27.	12.4	199
77	Intestinal Microbiotaâ€Generated Metabolite Trimethylamineâ€•Nâ€ Oxide and 5â€Year Mortality Risk in Stable Coronary Artery Disease: The Contributory Role of Intestinal Microbiota in a COURAGEâ€Like Patient Cohort. Journal of the American Heart Association, 2016, 5, .	3.7	198
78	The TMAO-Producing Enzyme Flavin-Containing Monooxygenase 3 Regulates Obesity and the Beiging of White Adipose Tissue. Cell Reports, 2017, 19, 2451-2461.	6.4	194
79	The refined structure of nascent HDL reveals a key functional domain for particle maturation and dysfunction. Nature Structural and Molecular Biology, 2007, 14, 861-868.	8.2	189
80	Plasma Trimethylamine N -Oxide, a Gut Microbeâ€“Generated Phosphatidylcholine Metabolite, Is Associated With Atherosclerotic Burden. Journal of the American College of Cardiology, 2016, 67, 2620-2628.	2.8	186
81	Identification of Î±-Chloro Fatty Aldehydes and Unsaturated Lysophosphatidylcholine Molecular Species in Human Atherosclerotic Lesions. Circulation, 2003, 108, 3128-3133.	1.6	185
82	Cancer Stem Cell-Specific Scavenger Receptor CD36 Drives Glioblastoma Progression. Stem Cells, 2014, 32, 1746-1758.	3.2	182
83	Increased Trimethylamine N-Oxide Portends High Mortality Risk Independent of Glycemic Control in Patients with Type 2 Diabetes Mellitus. Clinical Chemistry, 2017, 63, 297-306.	3.2	181
84	3-Bromotyrosine and 3,5-Dibromotyrosine Are Major Products of Protein Oxidation by Eosinophil Peroxidase:Â Potential Markers for Eosinophil-Dependent Tissue Injury in Vivoâ€. Biochemistry, 1999, 38, 3538-3548.	2.5	180
85	Localization of Nitration and Chlorination Sites on Apolipoprotein A-I Catalyzed by Myeloperoxidase in Human Atheroma and Associated Oxidative Impairment in ABCA1-dependent Cholesterol Efflux from Macrophages. Journal of Biological Chemistry, 2005, 280, 38-47.	3.4	180
86	Nitrotyrosine Proteome Survey in Asthma Identifies Oxidative Mechanism of Catalase Inactivation. Journal of Immunology, 2006, 176, 5587-5597.	0.8	178
87	Superoxide Dismutase Inactivation in Pathophysiology of Asthmatic Airway Remodeling and Reactivity. American Journal of Pathology, 2005, 166, 663-674.	3.8	170
88	Concurrent evaluation of novel cardiac biomarkers in acute coronary syndrome: myeloperoxidase and soluble CD40 ligand and the risk of recurrent ischaemic events in TACTICS-TIMI 18. European Heart Journal, 2008, 29, 1096-1102.	2.2	168
89	Myeloperoxidase, modified lipoproteins, and atherogenesis. Journal of Lipid Research, 2009, 50, S346-S351.	4.2	168
90	Human Neutrophils Employ the Myeloperoxidase-Hydrogen Peroxide-Chloride System to Oxidize Î±-Amino Acids to a Family of Reactive Aldehydes. Journal of Biological Chemistry, 1998, 273, 4997-5005.	3.4	167

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91	Nitric Oxide Modulates the Catalytic Activity of Myeloperoxidase. Journal of Biological Chemistry, 2000, 275, 5425-5430.	3.4	165
92	Effect of Vegan Fecal Microbiota Transplantation on Carnitineâ€•and Cholineâ€Derived Trimethylamineâ€Nâ€Oxide Production and Vascular Inflammation in Patients With Metabolic Syndrome. Journal of the American Heart Association, 2018, 7, .	3.7	164
93	Myeloperoxidase-Generated Oxidants Modulate Left Ventricular Remodeling but Not Infarct Size After Myocardial Infarction. Circulation, 2005, 112, 2812-2820.	1.6	163
94	Plasma Myeloperoxidase Levels in Patients With Chronic Heart Failure. American Journal of Cardiology, 2006, 98, 796-799.	1.6	162
95	Target-Selective Protein S-Nitrosylation by Sequence Motif Recognition. Cell, 2014, 159, 623-634.	28.9	158
96	Clinical and Genetic Association of Serum Paraoxonase and Arylesterase Activities With Cardiovascular Risk. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 2803-2812.	2.4	153
97	Oxidized Phospholipids as Endogenous Pattern Recognition Ligands in Innate Immunity. Journal of Biological Chemistry, 2008, 283, 15527-15531.	3.4	152
98	The Oxidation of Lipoproteins by Monocytes-Macrophages. Journal of Biological Chemistry, 1999, 274, 25959-25962.	3.4	148
99	High-Density Lipoprotein and Atherosclerosis Regression. Circulation Research, 2014, 114, 205-213.	4.5	145
100	Light-induced Oxidation of Photoreceptor Outer Segment Phospholipids Generates Ligands for CD36-mediated Phagocytosis by Retinal Pigment Epithelium. Journal of Biological Chemistry, 2006, 281, 4222-4230.	3.4	142
101	Activated Leukocytes Oxidatively Damage DNA, RNA, and the Nucleotide Pool through Halide-Dependent Formation of Hydroxyl Radicalâ€. Biochemistry, 2000, 39, 5474-5482.	2.5	140
102	Human Neutrophils Employ Myeloperoxidase To Convert Î±-Amino Acids to a Battery of Reactive Aldehydes:â€‰ A Pathway for Aldehyde Generation at Sites of Inflammation. Biochemistry, 1998, 37, 6864-6873.	2.5	138
103	Pentoxifylline decreases oxidized lipid products in nonalcoholic steatohepatitis: New evidence on the potential therapeutic mechanism. Hepatology, 2012, 56, 1291-1299.	7.3	136
104	Trimethylamine N â€Oxide and Mortality Risk in Patients With Peripheral Artery Disease. Journal of the American Heart Association, 2016, 5, .	3.7	133
105	Carbamylation-Dependent Activation of T Cells: A Novel Mechanism in the Pathogenesis of Autoimmune Arthritis. Journal of Immunology, 2010, 184, 6882-6890.	0.8	131
106	Emerging role of myeloperoxidase and oxidant stress markers in cardiovascular risk assessment. Current Opinion in Lipidology, 2003, 14, 353-359.	2.7	130
107	Human Phagocytes Employ the Myeloperoxidase-Hydrogen Peroxide System to Synthesize Dityrosine, Trityrosine, Pulcherosine, and Isodityrosine by a Tyrosyl Radical-dependent Pathway. Journal of Biological Chemistry, 1996, 271, 19950-19956.	3.4	126
108	Mass Spectrometric Quantification of 3-Chlorotyrosine in Human Tissues with Attomole Sensitivity. Free Radical Biology and Medicine, 1997, 23, 909-916.	2.9	124

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109	Genetic Architecture of Atherosclerosis in Mice: A Systems Genetics Analysis of Common Inbred Strains. PLoS Genetics, 2015, 11, e1005711.	3.5	124
110	Protein Carbamylation Predicts Mortality in ESRD. Journal of the American Society of Nephrology: JASN, 2013, 24, 853-861.	6.1	122
111	Untargeted metabolomics identifies trimethyllysine, a TMAO-producing nutrient precursor, as a predictor of incident cardiovascular disease risk. JCI Insight, 2018, 3, .	5.0	122
112	Microbial Transplantation With Human Gut Commensals Containing CutC Is Sufficient to Transmit Enhanced Platelet Reactivity and Thrombosis Potential. Circulation Research, 2018, 123, 1164-1176.	4.5	122
113	Effects of Native and Myeloperoxidase-Modified Apolipoprotein A-I on Reverse Cholesterol Transport and Atherosclerosis in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 779-789.	2.4	120
114	Biomarker-based asthma phenotypes of corticosteroid response. Journal of Allergy and Clinical Immunology, 2015, 135, 877-883.e1.	2.9	120
115	Comparative Genome-Wide Association Studies in Mice and Humans for Trimethylamine N -Oxide, a Proatherogenic Metabolite of Choline and <scp>l</scp> -Carnitine. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 1307-1313.	2.4	119
116	Extensive Eosinophil Degranulation and Peroxidase-Mediated Oxidation of Airway Proteins Do Not Occur in a Mouse Ovalbumin-Challenge Model of Pulmonary Inflammation. Journal of Immunology, 2001, 167, 1672-1682.	0.8	118
117	Eosinophil Peroxidase Oxidation of Thiocyanate. Journal of Biological Chemistry, 2001, 276, 215-224.	3.4	118
118	Serum Myeloperoxidase and Mortality in Maintenance Hemodialysis Patients. American Journal of Kidney Diseases, 2006, 48, 59-68.	1.9	118
119	Increased carotid intima media thickness and cardiac biomarkers in HIV infected children. Aids, 2007, 21, 921-927.	2.2	118
120	An Interleukin-23-Interleukin-22 Axis Regulates Intestinal Microbial Homeostasis to Protect from Diet-Induced Atherosclerosis. Immunity, 2018, 49, 943-957.e9.	14.3	118
121	Systemic elevations of free radical oxidation products of arachidonic acid are associated with angiographic evidence of coronary artery disease. Free Radical Biology and Medicine, 2006, 41, 1678-1683.	2.9	113
122	The Gut Microbiome and Its Role in Cardiovascular Diseases. Circulation, 2017, 135, 1008-1010.	1.6	113
123	Propionate attenuates atherosclerosis by immune-dependent regulation of intestinal cholesterol metabolism. European Heart Journal, 2022, 43, 518-533.	2.2	113
124	Genome-wide analysis identifies novel susceptibility loci for myocardial infarction. European Heart Journal, 2021, 42, 919-933.	2.2	113
125	Association between four SNPs on chromosome 9p21 and myocardial infarction is replicated in an Italian population. Journal of Human Genetics, 2008, 53, 144-150.	2.3	112
126	Genome-wide association study and targeted metabolomics identifies sex-specific association of CPS1 with coronary artery disease. Nature Communications, 2016, 7, 10558.	12.8	108

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127	Microbiome, trimethylamine N-oxide, and cardiometabolic disease. Translational Research, 2017, 179, 108-115.	5.0	105
128	Targeted Inhibition of Gut Microbial Trimethylamine N-Oxide Production Reduces Renal Tubulointerstitial Fibrosis and Functional Impairment in a Murine Model of Chronic Kidney Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 1239-1255.	2.4	102
129	p-Hydroxyphenylacetaldehyde Is the Major Product of L-Tyrosine Oxidation by Activated Human Phagocytes. Journal of Biological Chemistry, 1996, 271, 1861-1867.	3.4	99
130	Function and Distribution of Apolipoprotein A1 in the Artery Wall Are Markedly Distinct From Those in Plasma. Circulation, 2013, 128, 1644-1655.	1.6	98
131	Protein carbamylation and cardiovascular disease. Kidney International, 2015, 88, 474-478.	5.2	94
132	Modulation of the gut microbiota impacts nonalcoholic fatty liver disease: a potential role for bile acids. Journal of Lipid Research, 2017, 58, 1399-1416.	4.2	94
133	Detecting oxidative modification of biomolecules with isotope dilution mass spectrometry: Sensitive and quantitative assays for oxidized amino acids in proteins and tissues. Methods in Enzymology, 1999, 300, 124-144.	1.0	91
134	Defects in leukocyte-mediated initiation of lipid peroxidation in plasma as studied in myeloperoxidase-deficient subjects: systematic identification of multiple endogenous diffusible substrates for myeloperoxidase in plasma. Blood, 2002, 99, 1802-1810.	1.4	91
135	Apolipoprotein A-I Tryptophan Substitution Leads to Resistance to Myeloperoxidase-Mediated Loss of Function. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 2063-2070.	2.4	91
136	Arsenic induces structural and compositional colonic microbiome change and promotes host nitrogen and amino acid metabolism. Toxicology and Applied Pharmacology, 2015, 289, 397-408.	2.8	89
137	Rise in Blood Pressure Observed Among US Adults During the COVID-19 Pandemic. Circulation, 2022, 145, 235-237.	1.6	89
138	Targeting of microbe-derived metabolites to improve human health: The next frontier for drug discovery. Journal of Biological Chemistry, 2017, 292, 8560-8568.	3.4	88
139	Leukocytes Utilize Myeloperoxidase-Generated Nitrating Intermediates as Physiological Catalysts for the Generation of Biologically Active Oxidized Lipids and Sterols in Serum. Biochemistry, 1999, 38, 16904-16915.	2.5	86
140	Plasma Myeloperoxidase Predicts Incident Cardiovascular Risks in Stable Patients Undergoing Medical Management for Coronary Artery Disease. Clinical Chemistry, 2011, 57, 33-39.	3.2	86
141	Diets high in resistant starch increase plasma levels of trimethylamine-N-oxide, a gut microbiome metabolite associated with CVD risk. British Journal of Nutrition, 2016, 116, 2020-2029.	2.3	86
142	Double Superhelix Model of High Density Lipoprotein. Journal of Biological Chemistry, 2009, 284, 36605-36619.	3.4	85
143	Myeloperoxidase and Plaque Vulnerability. Arteriosclerosis, Thrombosis, and Vascular Biology, 2004, 24, 1143-1146.	2.4	84
144	Site-specific Nitration of Apolipoprotein A-I at Tyrosine 166 Is Both Abundant within Human Atherosclerotic Plaque and Dysfunctional. Journal of Biological Chemistry, 2014, 289, 10276-10292.	3.4	84

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145	Saturated fatty acids regulate retinoic acid signalling and suppress tumorigenesis by targeting fatty acid-binding protein 5. Nature Communications, 2015, 6, 8794.	12.8	82
146	Olfactory receptor 2 in vascular macrophages drives atherosclerosis by NLRP3-dependent IL-1 production. Science, 2022, 375, 214-221.	12.6	81
147	Urinary Bromotyrosine Measures Asthma Control and Predicts Asthma Exacerbations in Children. Journal of Pediatrics, 2011, 159, 248-255.e1.	1.8	80
148	Hemodynamics influences vascular peroxynitrite formation: Implication for low-density lipoprotein apo-B-100 nitration. Free Radical Biology and Medicine, 2007, 42, 519-529.	2.9	79
149	Trimethyllysine, a trimethylamine N-oxide precursor, provides near- and long-term prognostic value in patients presenting with acute coronary syndromes. European Heart Journal, 2019, 40, 2700-2709.	2.2	79
150	Gut microbes impact stroke severity via the trimethylamine N-oxide pathway. Cell Host and Microbe, 2021, 29, 1199-1208.e5.	11.0	78
151	p-Hydroxyphenylacetaldehyde, the Major Product of l-Tyrosine Oxidation by the Myeloperoxidase-H2O2-Chloride System of Phagocytes, Covalently Modifies Îµ-Amino Groups of Protein Lysine Residues. Journal of Biological Chemistry, 1997, 272, 16990-16998.	3.4	77
152	Utility of Plasma Concentration of Trimethylamine N-Oxide in Predicting Cardiovascular and Renal Complications in Individuals With Type 1 Diabetes. Diabetes Care, 2019, 42, 1512-1520.	8.6	77
153	Peroxidases Inhibit Nitric Oxide (NO) Dependent Bronchodilation:Â Development of a Model Describing NOâ^'Peroxidase Interactionsâ€. Biochemistry, 2001, 40, 11866-11875.	2.5	75
154	Serum Trimethylamine N-oxide, Carnitine, Choline, and Betaine in Relation to Colorectal Cancer Risk in the Alpha Tocopherol, Beta Carotene Cancer Prevention Study. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 945-952.	2.5	74
155	Isolevuglandinâ€“protein adducts in humans: products of free radical-induced lipid oxidation through the isoprostane pathway. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1485, 225-235.	2.4	73
156	MyD88-dependent interplay between myeloid and endothelial cells in the initiation and progression of obesity-associated inflammatory diseases. Journal of Experimental Medicine, 2014, 211, 887-907.	8.5	70
157	Impact of Individual Traits, Saturated Fat, and Protein Source on the Gut Microbiome. MBio, 2018, 9, .	4.1	70
158	Inhibition of microbiota-dependent TMAO production attenuates chronic kidney disease in mice. Scientific Reports, 2021, 11, 518.	3.3	70
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