

Martin Hersberger

List of Publications by Year in descending order

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109
papers

5,363
citations

87723

38
h-index

85405

71
g-index

111
all docs

111
docs citations

111
times ranked

8733
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatty acid-induced mitochondrial uncoupling elicits inflammasome-independent IL-1 β and sterile vascular inflammation in atherosclerosis. <i>Nature Immunology</i> , 2013, 14, 1045-1053.	7.0	283
2	Requirement of JNK2 for Scavenger Receptor A-Mediated Foam Cell Formation in Atherogenesis. <i>Science</i> , 2004, 306, 1558-1561.	6.0	259
3	Inflammatory Markers at the Site of Ruptured Plaque in Acute Myocardial Infarction. <i>Circulation</i> , 2005, 111, 1355-1361.	1.6	255
4	Nrf2 is essential for cholesterol crystal-induced inflammasome activation and exacerbation of atherosclerosis. <i>European Journal of Immunology</i> , 2011, 41, 2040-2051.	1.6	255
5	Genetic deletion of p66Shc adaptor protein prevents hyperglycemia-induced endothelial dysfunction and oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5217-5222.	3.3	229
6	Pancreatic stone protein is highly increased during posttraumatic sepsis and activates neutrophil granulocytes*. <i>Critical Care Medicine</i> , 2009, 37, 1642-1648.	0.4	196
7	Myeloid-related protein 8/14 complex is released by monocytes and granulocytes at the site of coronary occlusion: a novel, early, and sensitive marker of acute coronary syndromes. <i>European Heart Journal</i> , 2007, 28, 941-948.	1.0	178
8	High density lipoproteins in the intersection of diabetes mellitus, inflammation and cardiovascular disease. <i>Current Opinion in Lipidology</i> , 2004, 15, 269-278.	1.2	153
9	Rapid Detection of the CYP2D6*3, CYP2D6*4, and CYP2D6*6 Alleles by Tetra-Primer PCR and of the CYP2D6*5 Allele by Multiplex Long PCR. <i>Clinical Chemistry</i> , 2000, 46, 1072-1077.	1.5	143
10	The two faces of the 15-lipoxygenase in atherosclerosis. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2007, 77, 67-77.	1.0	142
11	Polymorphisms in Toll-like receptor 9 influence the clinical course of HIV-1 infection. <i>Aids</i> , 2007, 21, 441-446.	1.0	139
12	ChemR23, the Receptor for Chemerin and Resolvin E1, Is Expressed and Functional on M1 but Not on M2 Macrophages. <i>Journal of Immunology</i> , 2015, 194, 2330-2337.	0.4	132
13	Current understanding of the metabolism and biological actions of HDL. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2005, 8, 147-152.	1.3	129
14	Adrenergic Receptor Genotype but Not Perioperative Bisoprolol Therapy May Determine Cardiovascular Outcome in At-risk Patients Undergoing Surgery with Spinal Block. <i>Anesthesiology</i> , 2007, 107, 33-44.	1.3	114
15	High levels of anti-inflammatory and pro-resolving lipid mediators lipoxins and resolvins and declining docosahexaenoic acid levels in human milk during the first month of lactation. <i>Lipids in Health and Disease</i> , 2013, 12, 89.	1.2	114
16	B-Type Natriuretic Peptide Concentrations Predict the Progression of Nondiabetic Chronic Kidney Disease: The Mild-to-Moderate Kidney Disease Study. <i>Clinical Chemistry</i> , 2007, 53, 1264-1272.	1.5	111
17	Deoxysphingoid bases as plasma markers in Diabetes mellitus. <i>Lipids in Health and Disease</i> , 2010, 9, 84.	1.2	108
18	Serum Creatinine, Cystatin C, and β -Trace Protein in Diagnostic Staging and Predicting Progression of Primary Nondiabetic Chronic Kidney Disease. <i>Clinical Chemistry</i> , 2010, 56, 740-749.	1.5	97

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19	Single-Step Assays to Analyze CYP2D6 Gene Polymorphisms in Asians: Allele Frequencies and a Novel *14B Allele in Mainland Chinese. <i>Clinical Chemistry</i> , 2002, 48, 983-988.	1.5	89
20	Gene Regulatory Control of Myocardial Energy Metabolism Predicts Postoperative Cardiac Function in Patients Undergoing Off-pump Coronary Artery Bypass Graft Surgery. <i>Anesthesiology</i> , 2007, 106, 444-457.	1.3	87
21	Deliberate removal of T cell help improves virus-neutralizing antibody production. <i>Nature Immunology</i> , 2004, 5, 934-942.	7.0	85
22	Resolvin D1 Polarizes Primary Human Macrophages toward a Proresolution Phenotype through GPR32. <i>Journal of Immunology</i> , 2016, 196, 3429-3437.	0.4	85
23	Effective control of persistent hyperparathyroidism with cinacalcet in renal allograft recipients. <i>Nephrology Dialysis Transplantation</i> , 2006, 22, 577-583.	0.4	82
24	Milder forms of atherogenic dyslipidemia in ovulatory versus anovulatory polycystic ovary syndrome phenotype. <i>Human Reproduction</i> , 2009, 24, 2286-2292.	0.4	80
25	Potential role of the lipoxygenase derived lipid mediators in atherosclerosis: leukotrienes, lipoxins and resolvins. <i>Clinical Chemistry and Laboratory Medicine</i> , 2010, 48, 1063-1073.	1.4	68
26	Antioxidant Supplements Reduced Oxidative Stress and Stabilized Liver Function Tests but Did Not Reduce Inflammation in a Randomized Controlled Trial in Obese Children and Adolescents. <i>Journal of Nutrition</i> , 2014, 144, 193-201.	1.3	65
27	Low High-Density Lipoprotein Cholesterol. <i>Drugs</i> , 2003, 63, 1907-1945.	4.9	59
28	Expression and regulation of 12/15-lipoxygenases in human primary macrophages. <i>Atherosclerosis</i> , 2012, 225, 121-127.	0.4	58
29	Extralymphatic virus sanctuaries as a consequence of potent T-cell activation. <i>Nature Medicine</i> , 2007, 13, 1316-1323.	15.2	54
30	Ethnicity-dependent genetic association of ABCA2 with sporadic Alzheimer's disease. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2006, 141B, 534-536.	1.1	53
31	The Mechanism of Intralipid®-Mediated Cardioprotection Complex IV Inhibition by the Active Metabolite, Palmitoylcarnitine, Generates Reactive Oxygen Species and Activates Reperfusion Injury Salvage Kinases. <i>PLoS ONE</i> , 2014, 9, e87205.	1.1	52
32	LC-MS/MS based assay and reference intervals in children and adolescents for oxysterols elevated in Niemann-Pick diseases. <i>Clinical Biochemistry</i> , 2015, 48, 596-602.	0.8	50
33	Two Efficiency Elements Flanking the Editing Site of Cytidine 6666 in the Apolipoprotein B mRNA Support Mooring-dependent Editing. <i>Journal of Biological Chemistry</i> , 1998, 273, 9435-9442.	1.6	45
34	Functional polymorphism in ALOX15 results in increased allele-specific transcription in macrophages through binding of the transcription factor SPI1. <i>Human Mutation</i> , 2006, 27, 78-87.	1.1	45
35	Urinary Catecholamine and Metanephrine to Creatinine Ratios in Healthy Dogs at Home and in a Hospital Environment and in 2 Dogs with Pheochromocytoma. <i>Journal of Veterinary Internal Medicine</i> , 2007, 21, 388-393.	0.6	44
36	Phylogenetic Analysis of the Apolipoprotein B mRNA-editing Region. <i>Journal of Biological Chemistry</i> , 1999, 274, 34590-34597.	1.6	43

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37	Early mitochondrial dysfunction in glycolytic muscle, but not oxidative muscle, of the fructose-fed insulin-resistant rat. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E658-E667.	1.8	43
38	Hypocretin-1 (orexin A) levels are normal in Huntington's disease. <i>Journal of Neurology</i> , 2006, 253, 1232-1233.	1.8	42
39	The EBI2-oxysterol axis promotes the development of intestinal lymphoid structures and colitis. <i>Mucosal Immunology</i> , 2019, 12, 733-745.	2.7	40
40	Genetic Polymorphisms of the Serotonin Transporter, but Not the 2a Receptor or Nitric Oxide Synthetase, Are Associated with Pulmonary Hypertension in Chronic Obstructive Pulmonary Disease. <i>Respiration</i> , 2010, 79, 288-295.	1.2	39
41	The CAG Repeat Polymorphism in the Androgen Receptor Gene Is Associated with HDL-Cholesterol but Not with Coronary Atherosclerosis or Myocardial Infarction. <i>Clinical Chemistry</i> , 2005, 51, 1110-1115.	1.5	36
42	The c.292C>T promoter polymorphism increases reticulocyte-type 15-lipoxygenase-1 activity and could be atheroprotective. <i>Clinical Chemistry and Laboratory Medicine</i> , 2007, 45, 487-92.	1.4	36
43	Regulation of the Formyl Peptide Receptor 1 (FPR1) Gene in Primary Human Macrophages. <i>PLoS ONE</i> , 2012, 7, e50195.	1.1	36
44	Increased Balloon-Induced Inflammation, Proliferation, and Neointima Formation in Apolipoprotein E (ApoE) Knockout Mice. <i>Stroke</i> , 2006, 37, 2625-2632.	1.0	35
45	Low dose aspirin is associated with plasma chemerin levels and may reduce adipose tissue inflammation. <i>Atherosclerosis</i> , 2014, 235, 256-262.	0.4	34
46	Characterization of the Promoter and the Transcriptional Regulation of the Lipoxin A4 Receptor (FPR2/ALX) Gene in Human Monocytes and Macrophages. <i>Journal of Immunology</i> , 2012, 188, 1856-1867.	0.4	33
47	Pregnancy-associated plasma protein-A is an independent short-time predictor of mortality in patients on maintenance haemodialysis. <i>European Heart Journal</i> , 2010, 31, 354-359.	1.0	30
48	A VLP-based vaccine against interleukin-1 β protects mice from atherosclerosis. <i>European Journal of Immunology</i> , 2013, 43, 716-722.	1.6	30
49	Metabolic Profiling of Hearts Exposed to Sevoflurane and Propofol Reveals Distinct Regulation of Fatty Acid and Glucose Oxidation. <i>Anesthesiology</i> , 2010, 113, 541-551.	1.3	28
50	Sequence Variants in <i>BMPR2</i> and Genes Involved in the Serotonin and Nitric Oxide Pathways in Idiopathic Pulmonary Arterial Hypertension and Chronic Thromboembolic Pulmonary Hypertension: Relation to Clinical Parameters and Comparison with Left Heart Disease. <i>Respiration</i> , 2010, 79, 279-287.	1.2	27
51	Clinical phenotype, biochemical profile, and treatment in 19 patients with arginase 1 deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 331-340.	1.7	27
52	Alterations in fatty acid metabolism and sirtuin signaling characterize early type-2 diabetic hearts of fructose-fed rats. <i>Physiological Reports</i> , 2017, 5, e13388.	0.7	27
53	HIV-specific Cellular Immune Response Is Inversely Correlated with Disease Progression as Defined by Decline of CD4+T Cells in Relation to HIV RNA Load. <i>Journal of Infectious Diseases</i> , 2004, 189, 1199-1208.	1.9	26
54	Infarct-remodelled hearts with limited oxidative capacity boost fatty acid oxidation after conditioning against ischaemia/reperfusion injury. <i>Cardiovascular Research</i> , 2013, 97, 251-261.	1.8	26

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55	Disentangling the Molecular Mechanisms of the Antidepressant Activity of Omega-3 Polyunsaturated Fatty Acid: A Comprehensive Review of the Literature. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4393.	1.8	26
56	Sugar-Sweetened Beverages With Moderate Amounts of Fructose, but Not Sucrose, Induce Fatty Acid Synthesis in Healthy Young Men: A Randomized Crossover Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, 2164-2172.	1.8	23
57	Effects of Steroid Hormones on Sex Differences in Cerebral Perfusion. <i>PLoS ONE</i> , 2015, 10, e0135827.	1.1	23
58	Diagnostic performance of S100B protein serum measurement in detecting intracranial injury in children with mild head trauma. <i>Emergency Medicine Journal</i> , 2016, 33, 42-46.	0.4	23
59	Plasma B-type natriuretic peptide levels in children with heart disease. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2011, 100, 1213-1216.	0.7	22
60	Nutritional Lipids and Mucosal Inflammation. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e1901269.	1.5	20
61	Quantitative profiling of inflammatory and pro-resolving lipid mediators in human adolescents and mouse plasma using UHPLC-MS/MS. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 1811-1823.	1.4	20
62	Regulatable liver expression of the rabbit apolipoprotein B mRNA-editing enzyme catalytic polypeptide 1 (APOBEC-1) in mice lacking endogenous APOBEC-1 leads to aberrant hyperediting. <i>Biochemical Journal</i> , 2003, 369, 255-262.	1.7	19
63	Influence of Practicable Virus Inactivation Procedures on Tests for Frequently Measured Analytes in Plasma. <i>Clinical Chemistry</i> , 2004, 50, 944-946.	1.5	19
64	CSF prostaglandin D synthase is reduced in excessive daytime sleepiness. <i>Journal of Neurology</i> , 2006, 253, 1030-1033.	1.8	19
65	Tumor Necrosis Factor- α Allelic Variant Modulates Iron Accumulation in Patients with Hereditary Hemochromatosis. <i>Clinical Chemistry</i> , 2006, 52, 1552-1558.	1.5	19
66	The value of plasma vitamin B ₆ profiles in early onset epileptic encephalopathies. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 733-741.	1.7	19
67	Validation of a Food Frequency Questionnaire to Assess Intake of n-3 Polyunsaturated Fatty Acids in Switzerland. <i>Nutrients</i> , 2019, 11, 1863.	1.7	18
68	Bone Mineral Density and Secondary Hyperparathyroidism in Pulmonary Hypertension. <i>Open Respiratory Medicine Journal</i> , 2009, 3, 53-60.	1.3	18
69	Serological and DNA-based evaluation of Chlamydia pneumoniae infection in inflammatory bowel disease. <i>European Journal of Gastroenterology and Hepatology</i> , 2006, 18, 889-894.	0.8	16
70	No association of two functional polymorphisms in human ALOX15 with myocardial infarction. <i>Atherosclerosis</i> , 2009, 205, 192-196.	0.4	16
71	False-Positive Human Serum Chorionic Gonadotropin in a Patient with a History of Germ Cell Cancer. <i>Oncology</i> , 2004, 66, 336-338.	0.9	14
72	Propofol (Diprivan®) and Intralipid® Exacerbate Insulin Resistance in Type-2 Diabetic Hearts by Impairing GLUT4 Trafficking. <i>Anesthesia and Analgesia</i> , 2015, 120, 329-340.	1.1	14

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73	Novel Strategies to Prevent Total Parenteral Nutrition-induced Gut and Liver Inflammation, and Adverse Metabolic Outcomes. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e1901270.	1.5	14
74	Two Single-Tube Tetra-Primer Assays to Detect the CYP2C19*2 and *3 Alleles of S-Mephenytoin Hydroxylase. <i>Clinical Chemistry</i> , 2001, 47, 772-774.	1.5	13
75	Association of polymorphisms in the ALOX15B gene with coronary artery disease. <i>Clinical Biochemistry</i> , 2014, 47, 349-355.	0.8	13
76	G-Protein Receptor Kinase 4 Polymorphism and Response to Antihypertensive Therapy. <i>Clinical Chemistry</i> , 2014, 60, 1543-1548.	1.5	12
77	Detection of the Arg702Trp, Gly908Arg and Leu1007fsinsC polymorphisms of the NOD2/CARD15 gene by real-time PCR with melting curve analysis. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004, 42, 494-8.	1.4	11
78	Rapid detection of the CCR2-V64I, CCR5-A59029G and SDF1-G801A polymorphisms by tetra-primer PCR. <i>Clinical Biochemistry</i> , 2002, 35, 399-403.	0.8	10
79	Toll-like receptor 4 gene polymorphism modulates phenotypic expression in patients with hereditary hemochromatosis. <i>European Journal of Gastroenterology and Hepatology</i> , 2010, 22, 835-841.	0.8	10
80	Loss of Intralipid®- but Not Sevoflurane-Mediated Cardioprotection in Early Type-2 Diabetic Hearts of Fructose-Fed Rats: Importance of ROS Signaling. <i>PLoS ONE</i> , 2014, 9, e104971.	1.1	10
81	Clinical Criteria Replenish High-Sensitive Troponin and Inflammatory Markers in the Stratification of Patients with Suspected Acute Coronary Syndrome. <i>PLoS ONE</i> , 2014, 9, e98626.	1.1	10
82	Association of STR polymorphisms in CMA1 and IL-4 with asthma and atopy: The SAPALDIA Cohort. <i>Human Immunology</i> , 2010, 71, 1154-1160.	1.2	9
83	Daily oral cyanocobalamin supplementation in Beagles with hereditary cobalamin malabsorption (Imerslund-Gräsbeck syndrome) maintains normal clinical and cellular cobalamin status. <i>Journal of Veterinary Internal Medicine</i> , 2019, 33, 751-757.	0.6	9
84	Lipid emulsion rich in n-3 polyunsaturated fatty acids elicits a pro-resolution lipid mediator profile in mouse tissues and in human immune cells. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 786-797.	2.2	9
85	Detection of a Novel Exon 4 Low-Density Lipoprotein Receptor Gene Deletion in a Swiss Family with Severe Familial Hypercholesterolemia. <i>Clinical Chemistry and Laboratory Medicine</i> , 2003, 41, 266-71.	1.4	8
86	LC-MS / MS method for the differential diagnosis of treatable early onset inherited metabolic epilepsies. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 1102-1111.	1.7	8
87	Choice of Lipid Emulsion Determines Inflammation of the Gut-Liver Axis, Incretin Profile, and Insulin Signaling in a Murine Model of Total Parenteral Nutrition. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000412.	1.5	8
88	Increased T-bet to GATA-3 Ratio During Acute Allograft Rejection in the Rat Lung. <i>Transplantation Proceedings</i> , 2009, 41, 4316-4320.	0.3	7
89	Verbal Memory Performance in Depressed Children and Adolescents: Associations with EPA but Not DHA and Depression Severity. <i>Nutrients</i> , 2020, 12, 3630.	1.7	7
90	Resolvin D1 reduces inflammation in co-cultures of primary human macrophages and adipocytes by triggering macrophages. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021, 174, 102363.	1.0	7

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91	A dinucleotide deletion in amyloid precursor protein (APP) mRNA associated with sporadic Alzheimer's disease results in efficient secretion of truncated APP isoforms from neuroblastoma cell cultures. <i>Journal of Neurochemistry</i> , 2001, 76, 1308-1314.	2.1	5
92	Excessive Daytime Sleepiness in Behçet's Disease with Diencephalic Lesions and Hypocretin Dysfunction. <i>European Neurology</i> , 2010, 63, 190-190.	0.6	5
93	Lipid Emulsion Containing High Amounts of n3 Fatty Acids (Omegaven) as Opposed to n6 Fatty Acids (Intralipid) Preserves Insulin Signaling and Glucose Uptake in Perfused Rat Hearts. <i>Anesthesia and Analgesia</i> , 2020, 130, 37-48.	1.1	5
94	Efficacy of intramuscular hydroxocobalamin supplementation in cats with cobalamin deficiency and gastrointestinal disease. <i>Journal of Veterinary Internal Medicine</i> , 2020, 34, 1872-1878.	0.6	5
95	Using the hemolysis index of Abbott's Alinity c for the measurement of plasma free hemoglobin in ECMO patients. <i>Clinical Biochemistry</i> , 2021, , .	0.8	5
96	Gut microbiome and circulating bacterial DNA (œblood microbiome) in a mouse model of total parenteral nutrition: Evidence of two distinct separate microbiotic compartments. <i>Clinical Nutrition ESPEN</i> , 2022, 49, 278-288.	0.5	5
97	The Asp298 but not the C-786 genotype of the endothelial nitric oxide synthase is reduced with age in healthy Swiss men. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005, 43, 971-3.	1.4	4
98	Diet and Inflammatory Bowel Disease: What Quality Standards Should Be Applied in Clinical and Laboratory Studies?. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2000514.	1.5	4
99	Polymorphisms of SOCS-1 Are Associated With a Rapid HIV Progression Rate. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2020, 84, 189-195.	0.9	4
100	A plasmid rescue to investigate mutagenesis in transgenic <i>D. melanogaster</i> . <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1996, 361, 165-172.	0.4	3
101	No evidence for involvement of the human inducible nitric oxide synthase gene in susceptibility to coronary artery disease. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005, 43, 253-5.	1.4	3
102	Letter to the Editor. <i>Gene</i> , 2015, 558, 299.	1.0	3
103	Cerebral perfusion in depression: Relationship to sex, dehydroepiandrosterone sulfate and depression severity. <i>NeuroImage: Clinical</i> , 2021, 32, 102840.	1.4	3
104	Copeptin Release in Arterial Hypotension and Its Association with Severity of Disease in Critically Ill Children. <i>Children</i> , 2022, 9, 794.	0.6	3
105	Dyslipidemias in children and adolescents. <i>Clinical Biochemistry</i> , 2011, 44, 507-508.	0.8	2
106	Lower Plasma Dehydroepiandrosterone Concentration in the Long Term after Severe Accidental Injury. <i>Psychotherapy and Psychosomatics</i> , 2012, 81, 121-123.	4.0	1
107	No evidence for the involvement of the lipoxin A4 receptor (FPR2/ALX) gene in the susceptibility to coronary artery disease. <i>Clinical Chemistry and Laboratory Medicine</i> , 2012, 50, 177-9.	1.4	1
108	Diabetic Rat Hearts Show More Favorable Metabolic Adaptation to Omegaven Containing High Amounts of n3 Fatty Acids Than Intralipid Containing n6 Fatty Acids. <i>Anesthesia and Analgesia</i> , 2020, 131, 943-954.	1.1	1

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109	Lipoproteins. , 2008, , 497-548.		0