

Colin D Funk

List of Publications by Year in descending order

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Version: 2024-02-01

163
papers

17,448
citations

18482

62
h-index

13379

130
g-index

163
all docs

163
docs citations

163
times ranked

16024
citing authors

#	ARTICLE	IF	CITATIONS
1	Target Product Profile Analysis of COVID-19 Vaccines in Phase III Clinical Trials and Beyond: An Early 2021 Perspective. <i>Viruses</i> , 2021, 13, 418.	3.3	51
2	Arginase-1 deficiency in neural cells does not contribute to neurodevelopment or functional outcomes after sciatic nerve injury. <i>Neurochemistry International</i> , 2021, 145, 104984.	3.8	3
3	A Novel Strategy to Mitigate the Hyperinflammatory Response to COVID-19 by Targeting Leukotrienes. <i>Frontiers in Pharmacology</i> , 2020, 11, 1214.	3.5	40
4	A Snapshot of the Global Race for Vaccines Targeting SARS-CoV-2 and the COVID-19 Pandemic. <i>Frontiers in Pharmacology</i> , 2020, 11, 937.	3.5	152
5	Perivascular adipose tissue-derived extracellular vesicle miR-221-3p mediates vascular remodeling. <i>FASEB Journal</i> , 2019, 33, 12704-12722.	0.5	76
6	Transplantation of Gene-Edited Hepatocyte-like Cells Modestly Improves Survival of Arginase-1-Deficient Mice. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 10, 122-130.	5.1	12
7	Early treatment with Resolvin E1 facilitates myocardial recovery from ischaemia in mice. <i>British Journal of Pharmacology</i> , 2018, 175, 1205-1216.	5.4	48
8	Flipping the cyclooxygenase (Ptgs) genes reveals isoform-specific compensatory functions. <i>Journal of Lipid Research</i> , 2018, 59, 89-101.	4.2	12
9	Genomic and lipidomic analyses differentiate the compensatory roles of two COX isoforms during systemic inflammation in mice. <i>Journal of Lipid Research</i> , 2018, 59, 102-112.	4.2	19
10	Differential compensation of two cyclooxygenases in renal homeostasis is independent of prostaglandin synthetic capacity under basal conditions. <i>FASEB Journal</i> , 2018, 32, 5326-5337.	0.5	4
11	Resolvin E1 attenuates injury-induced vascular neointimal formation by inhibition of inflammatory responses and vascular smooth muscle cell migration. <i>FASEB Journal</i> , 2018, 32, 5413-5425.	0.5	40
12	Isoform-Specific Compensation of Cyclooxygenase (Ptgs) Genes during Implantation and Late-Stage Pregnancy. <i>Scientific Reports</i> , 2018, 8, 12097.	3.3	8
13	Proof-of-Concept Gene Editing for the Murine Model of Inducible Arginase-1 Deficiency. <i>Scientific Reports</i> , 2017, 7, 2585.	3.3	13
14	Effects of p53-knockout in vascular smooth muscle cells on atherosclerosis in mice. <i>PLoS ONE</i> , 2017, 12, e0175061.	2.5	13
15	Liver-specific knockout of arginase-1 leads to a profound phenotype similar to inducible whole body arginase-1 deficiency. <i>Molecular Genetics and Metabolism Reports</i> , 2016, 9, 54-60.	1.1	22
16	Thromboxane Governs the Differentiation of Adipose-Derived Stromal Cells Toward Endothelial Cells In Vitro and In Vivo. <i>Circulation Research</i> , 2016, 118, 1194-1207.	4.5	14
17	Strategies to Rescue the Consequences of Inducible Arginase-1 Deficiency in Mice. <i>PLoS ONE</i> , 2015, 10, e0125967.	2.5	12
18	Endogenously Generated Omega-3 Fatty Acids Attenuate Vascular Inflammation and Neointimal Hyperplasia by Interaction With Free Fatty Acid Receptor 4 in Mice. <i>Journal of the American Heart Association</i> , 2015, 4, .	3.7	30

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19	Arginase-1 deficiency. <i>Journal of Molecular Medicine</i> , 2015, 93, 1287-1296.	3.9	63
20	Aspirin enhances protective effect of fish oil against thrombosis and injury-induced vascular remodelling. <i>British Journal of Pharmacology</i> , 2015, 172, 5647-5660.	5.4	32
21	EP3 receptor deficiency attenuates pulmonary hypertension through suppression of Rho/TGF- β 2 signaling. <i>Journal of Clinical Investigation</i> , 2015, 125, 1228-1242.	8.2	68
22	Prostaglandins and Other Lipid Mediators in Reproductive Medicine. , 2014, , 108-123.e4.		3
23	Multiple-Site Activation of the Cysteinyl Leukotriene Receptor 2 Is Required for Exacerbation of Ischemia/Reperfusion Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 321-330.	2.4	17
24	A mutation interfering with 5-lipoxygenase domain interaction leads to increased enzyme activity. <i>Archives of Biochemistry and Biophysics</i> , 2014, 545, 179-185.	3.0	17
25	Myeloid-derived suppressor cell function is diminished in aspirin-triggered allergic airway hyperresponsiveness in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2014, 134, 1163-1174.e16.	2.9	42
26	Whole Blood Transcriptomics and Urinary Metabolomics to Define Adaptive Biochemical Pathways of High-Intensity Exercise in 50-60 Year Old Masters Athletes. <i>PLoS ONE</i> , 2014, 9, e92031.	2.5	47
27	Cyclooxygenase-2 induction in macrophages is modulated by docosahexaenoic acid via interactions with free fatty acid receptor 4 (FFA4). <i>FASEB Journal</i> , 2013, 27, 4987-4997.	0.5	83
28	Cyclooxygenase-2-Derived Prostaglandin E ₂ Promotes Injury-Induced Vascular Neointimal Hyperplasia Through the E-prostanoid 3 Receptor. <i>Circulation Research</i> , 2013, 113, 104-114.	4.5	69
29	Inducible Arginase 1 Deficiency in Mice Leads to Hyperargininemia and Altered Amino Acid Metabolism. <i>PLoS ONE</i> , 2013, 8, e80001.	2.5	34
30	The cysteinyl leukotriene 2 receptor mediates retinal edema and pathological neovascularization in a murine model of oxygen-induced retinopathy. <i>FASEB Journal</i> , 2012, 26, 1100-1109.	0.5	22
31	Ex Vivo Akt/HO-1 Gene Therapy to Human Endothelial Progenitor Cells Enhances Myocardial Infarction Recovery. <i>Cell Transplantation</i> , 2012, 21, 1443-1461.	2.5	30
32	Development of myeloproliferative disease in 12/15-lipoxygenase deficiency. <i>Blood</i> , 2012, 119, 6173-6174.	1.4	10
33	Prostaglandin Receptor EP4 in Abdominal Aortic Aneurysms. <i>American Journal of Pathology</i> , 2012, 181, 313-321.	3.8	36
34	Targeted exchange of an expression cassette encoding cyclooxygenase-2 at the Ptgs1 locus. <i>Prostaglandins and Other Lipid Mediators</i> , 2012, 99, 38-44.	1.9	4
35	Vascular COX-2 Modulates Blood Pressure and Thrombosis in Mice. <i>Science Translational Medicine</i> , 2012, 4, 132ra54.	12.4	194
36	A Selective Cysteinyl Leukotriene Receptor 2 Antagonist Blocks Myocardial Ischemia/Reperfusion Injury and Vascular Permeability in Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 339, 768-778.	2.5	50

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37	Characterization of the Cysteinyl Leukotriene 2 Receptor in Novel Expression Sites of the Gastrointestinal Tract. <i>American Journal of Pathology</i> , 2011, 178, 2682-2689.	3.8	22
38	Lipoxygenase and Leukotriene Pathways: Biochemistry, Biology, and Roles in Disease. <i>Chemical Reviews</i> , 2011, 111, 5866-5898.	47.7	664
39	Pulmonary Oxidative Stress Is Increased in Cyclooxygenase-2 Knockdown Mice with Mild Pulmonary Hypertension Induced by Monocrotaline. <i>PLoS ONE</i> , 2011, 6, e23439.	2.5	44
40	Differential Signaling of Cysteinyl Leukotrienes and a Novel Cysteinyl Leukotriene Receptor 2 (CysLT ₂) Agonist, N ¹ -Methyl-Leukotriene C ₄ , in Calcium Reporter and β 2 Arrestin Assays. <i>Molecular Pharmacology</i> , 2011, 79, 270-278.	2.3	22
41	Leukotriene Inflammatory Mediators Meet Their Match. <i>Science Translational Medicine</i> , 2011, 3, 66ps3.	12.4	17
42	Hemodynamics of the Mouse Abdominal Aortic Aneurysm. <i>Journal of Biomechanical Engineering</i> , 2011, 133, 121008.	1.3	14
43	Numerical Simulations of the Intra-Aneurysmal Vortex Shedding in Induced Mouse Abdominal Aortic Aneurysms. , 2010, , .		1
44	5-lipoxygenase deficiency reduces hepatic inflammation and tumor necrosis factor α -induced hepatocyte damage in hyperlipidemia-prone ApoE-null mice. <i>Hepatology</i> , 2010, 51, 817-827.	7.3	86
45	Disruption of the 12/15-lipoxygenase gene (Alox15) protects hyperlipidemic mice from nonalcoholic fatty liver disease. <i>Hepatology</i> , 2010, 52, 1980-1991.	7.3	59
46	The murine angiotensin II-induced abdominal aortic aneurysm model: rupture risk and inflammatory progression patterns. <i>Frontiers in Pharmacology</i> , 2010, 1, 9.	3.5	59
47	The 5-lipoxygenase/leukotriene pathway in preclinical models of cardiovascular disease. <i>Cardiovascular Research</i> , 2010, 86, 243-253.	3.8	156
48	Cyclooxygenase-2-Dependent Prostacyclin Formation and Blood Pressure Homeostasis. <i>Circulation Research</i> , 2010, 106, 337-345.	4.5	45
49	Dual 12/15- and 5-Lipoxygenase Deficiency in Macrophages Alters Arachidonic Acid Metabolism and Attenuates Peritonitis and Atherosclerosis in ApoE Knock-out Mice. <i>Journal of Biological Chemistry</i> , 2009, 284, 21077-21089.	3.4	71
50	Renal and cardiovascular characterization of COX-2 knockdown mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1751-R1760.	1.8	45
51	A cell-based assay for screening lipoxygenase inhibitors. <i>Prostaglandins and Other Lipid Mediators</i> , 2009, 90, 98-104.	1.9	19
52	Prostaglandins and Other Lipid Mediators in Reproductive Medicine. , 2009, , 121-137.		2
53	Genetic and pharmacological inhibition of the 5-lipoxygenase/leukotriene pathway in atherosclerotic lesion development in ApoE deficient mice. <i>Atherosclerosis</i> , 2009, 203, 395-400.	0.8	39
54	Endothelial Cysteinyl Leukotriene 2 Receptor Expression and Myocardial Ischemia/Reperfusion Injury. <i>Trends in Cardiovascular Medicine</i> , 2008, 18, 268-273.	4.9	18

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55	Endothelial Cysteinyl Leukotriene 2 Receptor Expression Mediates Myocardial Ischemia-Reperfusion Injury. <i>American Journal of Pathology</i> , 2008, 172, 592-602.	3.8	52
56	Cysteinyl leukotriene 2 receptor-mediated vascular permeability via transendothelial vesicle transport. <i>FASEB Journal</i> , 2008, 22, 4352-4362.	0.5	46
57	Targeted Cyclooxygenase Gene (Ptgs) Exchange Reveals Discriminant Isoform Functionality. <i>Journal of Biological Chemistry</i> , 2007, 282, 1498-1506.	3.4	55
58	PKC-dependent regulation of the receptor locus dominates functional consequences of cysteinyl leukotriene type 1 receptor activation. <i>FASEB Journal</i> , 2007, 21, 2335-2342.	0.5	25
59	COX-2 Inhibitors and Cardiovascular Risk. <i>Journal of Cardiovascular Pharmacology</i> , 2007, 50, 470-479.	1.9	276
60	Selective 5-Lipoxygenase Expression in Langerhans Cells and Impaired Dendritic Cell Migration in 5-LO-Deficient Mice Reveal Leukotriene Action in Skin. <i>Journal of Investigative Dermatology</i> , 2007, 127, 1692-1700.	0.7	12
61	A novel genetic model of selective COX-2 inhibition: Comparison with COX-2 null mice. <i>Prostaglandins and Other Lipid Mediators</i> , 2007, 82, 77-84.	1.9	20
62	Angiotensin II-induced abdominal aortic aneurysm occurs independently of the 5-lipoxygenase pathway in apolipoprotein E-deficient mice. <i>Prostaglandins and Other Lipid Mediators</i> , 2007, 84, 34-42.	1.9	26
63	5-Lipoxygenase/cyclooxygenase-2 cross-talk through cysteinyl leukotriene receptor 2 in endothelial cells. <i>Prostaglandins and Other Lipid Mediators</i> , 2007, 84, 108-115.	1.9	9
64	Genetic model of selective COX2 inhibition reveals novel heterodimer signaling. <i>Nature Medicine</i> , 2006, 12, 699-704.	30.7	76
65	Is There a Role for the Macrophage 5-Lipoxygenase Pathway in Aortic Aneurysm Development in Apolipoprotein E-Deficient Mice?. <i>Annals of the New York Academy of Sciences</i> , 2006, 1085, 151-160.	3.8	9
66	Novel aspects of eicosanoid signaling through the use of gene-targeted mice. <i>Food Nutrition Research</i> , 2006, 50, 33-38.	0.3	0
67	Lipoxygenase Pathways as Mediators of Early Inflammatory Events in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 1204-1206.	2.4	51
68	Cysteinyl leukotriene 2 receptor and protease-activated receptor 1 activate strongly correlated early genes in human endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6326-6331.	7.1	85
69	Cyclooxygenases, microsomal prostaglandin E synthase-1, and cardiovascular function. <i>Journal of Clinical Investigation</i> , 2006, 116, 1391-1399.	8.2	313
70	Leukotriene modifiers as potential therapeutics for cardiovascular disease. <i>Nature Reviews Drug Discovery</i> , 2005, 4, 664-672.	46.4	289
71	12/15-Lipoxygenase gene disruption and Vitamin E administration diminish atherosclerosis and oxidative stress in apolipoprotein E deficient mice through a final common pathway. <i>Prostaglandins and Other Lipid Mediators</i> , 2005, 78, 185-193.	1.9	27
72	The Lamina Adventitia Is the Major Site of Immune Cell Accumulation in Standard Chow-Fed Apolipoprotein E-Deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 2386-2391.	2.4	196

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73	Macrophage-specific expression of group IIA sPLA2 results in accelerated atherogenesis by increasing oxidative stress. <i>Journal of Lipid Research</i> , 2005, 46, 1604-1614.	4.2	65
74	The 5-lipoxygenase pathway in arterial wall biology and atherosclerosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1736, 30-7.	2.4	54
75	Absence of 12/15 Lipoxygenase Reduces Brain Oxidative Stress in Apolipoprotein E-Deficient Mice. <i>American Journal of Pathology</i> , 2005, 167, 1371-1377.	3.8	41
76	Elevated Endothelial Nitric Oxide Bioactivity and Resistance to Angiotensin-Dependent Hypertension in 12/15-Lipoxygenase Knockout Mice. <i>American Journal of Pathology</i> , 2005, 166, 653-662.	3.8	48
77	Differential impact of prostaglandin H synthase 1 knockdown on platelets and parturition. <i>Journal of Clinical Investigation</i> , 2005, 115, 986-995.	8.2	64
78	Directed Vascular Expression of Human Cysteinyl Leukotriene 2 Receptor Modulates Endothelial Permeability and Systemic Blood Pressure. <i>Circulation</i> , 2004, 110, 3360-3366.	1.6	89
79	Critical Role of Macrophage 12/15-Lipoxygenase for Atherosclerosis in Apolipoprotein E-Deficient Mice. <i>Circulation</i> , 2004, 110, 2024-2031.	1.6	189
80	Transgenic smooth muscle expression of the human CysLT1 receptor induces enhanced responsiveness of murine airways to leukotriene D4. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 286, L992-L1001.	2.9	17
81	The 5-lipoxygenase pathway promotes pathogenesis of hyperlipidemia-dependent aortic aneurysm. <i>Nature Medicine</i> , 2004, 10, 966-973.	30.7	318
82	Lipoxygenase Pathways in Atherogenesis. <i>Trends in Cardiovascular Medicine</i> , 2004, 14, 191-195.	4.9	173
83	12/15-Lipoxygenase Is Increased in Alzheimer's Disease. <i>American Journal of Pathology</i> , 2004, 164, 1655-1662.	3.8	207
84	P1-389 Increase of 12/15 lipoxygenase AD: potential role in oxidative stress. <i>Neurobiology of Aging</i> , 2004, 25, S209.	3.1	0
85	Augmented responses to morphine and cocaine in mice with a 12-lipoxygenase gene disruption. <i>Psychopharmacology</i> , 2003, 170, 124-131.	3.1	15
86	Actin Polymerization in Macrophages in Response to Oxidized LDL and Apoptotic Cells: Role of 12/15-Lipoxygenase and Phosphoinositide 3-Kinase. <i>Molecular Biology of the Cell</i> , 2003, 14, 4196-4206.	2.1	59
87	Anion exchanger 2 is essential for spermiogenesis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 15847-15852.	7.1	72
88	12-Lipoxygenase Metabolites of Arachidonic Acid Mediate Metabotropic Glutamate Receptor-Dependent Long-Term Depression at Hippocampal CA3-CA1 Synapses. <i>Journal of Neuroscience</i> , 2003, 23, 11427-11435.	3.6	98
89	Effect of Low-Dose Aspirin on Vascular Inflammation, Plaque Stability, and Atherogenesis in Low-Density Lipoprotein Receptor-Deficient Mice. <i>Circulation</i> , 2002, 106, 1282-1287.	1.6	212
90	Selective Interleukin-12 Synthesis Defect in 12/15-Lipoxygenase-deficient Macrophages Associated with Reduced Atherosclerosis in a Mouse Model of Familial Hypercholesterolemia. <i>Journal of Biological Chemistry</i> , 2002, 277, 35350-35356.	3.4	96

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91	Molecular Basis of the Specific Subcellular Localization of the C2-like Domain of 5-Lipoxygenase. <i>Journal of Biological Chemistry</i> , 2002, 277, 13167-13174.	3.4	145
92	Identification of 5-Lipoxygenase as a Major Gene Contributing to Atherosclerosis Susceptibility in Mice. <i>Circulation Research</i> , 2002, 91, 120-126.	4.5	387
93	Lipoxygenase genes and their targeted disruption. <i>Prostaglandins and Other Lipid Mediators</i> , 2002, 68-69, 303-312.	1.9	162
94	Cysteinyl leukotriene receptors. <i>Biochemical Pharmacology</i> , 2002, 64, 1549-1557.	4.4	67
95	Characterization of Epidermal 12(S) and 12(R) Lipoxygenases. <i>Advances in Experimental Medicine and Biology</i> , 2002, 507, 147-153.	1.6	3
96	Role of ϵ -platelet-type TM 12-lipoxygenase in skin carcinogenesis. <i>Cancer Letters</i> , 2001, 162, 161-165.	7.2	26
97	The N-terminal α -Barrel TM Domain of 5-Lipoxygenase Is Essential for Nuclear Membrane Translocation. <i>Journal of Biological Chemistry</i> , 2001, 276, 811-818.	3.4	116
98	Leukocyte-type 12-lipoxygenase-deficient mice show impaired ischemic preconditioning-induced cardioprotection. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H1963-H1969.	3.2	31
99	12/15-Lipoxygenase Gene Disruption Attenuates Atherogenesis in LDL Receptor TM -Deficient Mice. <i>Circulation</i> , 2001, 104, 1646-1650.	1.6	179
100	Prostaglandins and Leukotrienes: Advances in Eicosanoid Biology. <i>Science</i> , 2001, 294, 1871-1875.	12.6	3,262
101	Characterization of the murine epidermal 12/15-lipoxygenase. <i>Prostaglandins and Other Lipid Mediators</i> , 2001, 63, 93-107.	1.9	28
102	Molecular cloning and functional characterization of murine cysteinyl-leukotriene 1 (CysLT1) receptors. Abbreviations: LT, leukotriene; hCysLT1R, human cysteinyl-leukotriene receptor (subtype 1); mCysLT1R, mouse cysteinyl-leukotriene receptor (subtype 1); CysLT2R, cysteinyl-leukotriene receptor (subtype 2); HEK, human embryonic kidney; ORF, open reading frame; RT-PCR, reverse transcription-polymerase chain reaction; and RACE, rapid amplification of cDNA ends. <i>Biochemical Pharmacology</i> , 2001, 62, 1193-1200.	4.4	42
103	12/15-Lipoxygenase, Oxidative Modification of LDL and Atherogenesis. <i>Trends in Cardiovascular Medicine</i> , 2001, 11, 116-124.	4.9	114
104	The Murine Cysteinyl Leukotriene 2 (CysLT2) Receptor. <i>Journal of Biological Chemistry</i> , 2001, 276, 47489-47495.	3.4	70
105	12/15-Lipoxygenase Translocation Enhances Site-specific Actin Polymerization in Macrophages Phagocytosing Apoptotic Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 19431-19439.	3.4	65
106	IL-4 inhibits osteoclast formation through a direct action on osteoclast precursors via peroxisome proliferator-activated receptor γ 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 2443-2448.	7.1	146
107	Absence of 12/15-Lipoxygenase Expression Decreases Lipid Peroxidation and Atherogenesis in Apolipoprotein E TM -Deficient Mice. <i>Circulation</i> , 2001, 103, 2277-2282.	1.6	225
108	Analysis of a nucleotide-binding site of 5-lipoxygenase by affinity labelling: binding characteristics and amino acid sequences. <i>Biochemical Journal</i> , 2000, 351, 697.	3.7	15

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109	Analysis of a nucleotide-binding site of 5-lipoxygenase by affinity labelling: binding characteristics and amino acid sequences. <i>Biochemical Journal</i> , 2000, 351, 697-707.	3.7	36
110	Role of decay-accelerating factor in regulating complement activation on the erythrocyte surface as revealed by gene targeting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 628-633.	7.1	149
111	Leukotriene Binding, Signaling, and Analysis of HIV Coreceptor Function in Mouse and Human Leukotriene B4 Receptor-transfected Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 8597-8603.	3.4	35
112	Basal Transepidermal Water Loss is Increased in Platelet-Type 12-Lipoxygenase Deficient Mice. <i>Journal of Investigative Dermatology</i> , 1999, 112, 861-865.	0.7	48
113	Interleukin-4-dependent production of PPAR- β ligands in macrophages by 12/15-lipoxygenase. <i>Nature</i> , 1999, 400, 378-382.	27.8	822
114	Salt-sensitive hypertension and reduced fertility in mice lacking the prostaglandin EP2 receptor. <i>Nature Medicine</i> , 1999, 5, 217-220.	30.7	374
115	Insight into prostaglandin, leukotriene, and other eicosanoid functions using mice with targeted gene disruptions. <i>Prostaglandins and Other Lipid Mediators</i> , 1999, 58, 231-252.	1.9	34
116	Lipoxygenase Gene Disruption Studies. <i>Advances in Experimental Medicine and Biology</i> , 1999, 447, 63-73.	1.6	8
117	Lipid-Mediator-Deficient Mice in Models of Inflammation. , 1999, , 109-125.		8
118	Targeted disruption of 5-lipoxygenase. , 1999, , 101-111.		1
119	Resistance to type 1 diabetes induction in 12-lipoxygenase knockout mice. <i>Journal of Clinical Investigation</i> , 1999, 103, 1431-1436.	8.2	145
120	Disruption of the 12/15-lipoxygenase gene diminishes atherosclerosis in apo E-deficient mice. <i>Journal of Clinical Investigation</i> , 1999, 103, 1597-1604.	8.2	475
121	Mice deficient for 5-lipoxygenase, but not leukocyte-type 12-lipoxygenase, display altered immune responses during infection with <i>Schistosoma mansoni</i> . <i>Prostaglandins and Other Lipid Mediators</i> , 1998, 56, 291-304.	1.9	19
122	Human 12(R)-Lipoxygenase and the Mouse Ortholog. <i>Journal of Biological Chemistry</i> , 1998, 273, 33540-33547.	3.4	67
123	Determinants of 5-Lipoxygenase Nuclear Localization Using Green Fluorescent Protein/5-Lipoxygenase Fusion Proteins. <i>Journal of Biological Chemistry</i> , 1998, 273, 31237-31244.	3.4	61
124	Increased platelet sensitivity to ADP in mice lacking platelet-type 12-lipoxygenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 3100-3105.	7.1	129
125	Prednisone increases PGH-synthase 2 in atopic humans in vivo.. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 155, 351-357.	5.6	16
126	Mice Deficient in Cellular Glutathione Peroxidase Develop Normally and Show No Increased Sensitivity to Hyperoxia. <i>Journal of Biological Chemistry</i> , 1997, 272, 16644-16651.	3.4	501

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127	A molecular dipstick?. <i>Nature Structural Biology</i> , 1997, 4, 966-968.	9.7	13
128	The molecular biology of mammalian lipoxygenases and the quest for eicosanoid functions using lipoxygenase-deficient mice. <i>Lipids and Lipid Metabolism</i> , 1996, 1304, 65-84.	2.6	231
129	Functional Expression and Cellular Localization of a Mouse Epidermal Lipoxygenase. <i>Journal of Biological Chemistry</i> , 1996, 271, 23338-23344.	3.4	91
130	Disruption of 12/15-Lipoxygenase Expression in Peritoneal Macrophages. <i>Journal of Biological Chemistry</i> , 1996, 271, 24055-24062.	3.4	227
131	Manipulations of the Arachidonic Acid Cascade with Lipoxygenase Gene-Inactivated Mice. , 1996, , 127-132.		0
132	Lipoxygenases of Mice and Men. , 1996, , 13-20.		2
133	cDNA Cloning, Expression, Mutagenesis, Intracellular Localization, and Gene Chromosomal Assignment of Mouse 5-Lipoxygenase. <i>Journal of Biological Chemistry</i> , 1995, 270, 17993-17999.	3.4	96
134	Chromosomal localization of the human prostanoid receptor gene family. <i>Genomics</i> , 1995, 25, 740-742.	2.9	36
135	Role of leukotrienes revealed by targeted disruption of the 5-lipoxygenase gene. <i>Nature</i> , 1994, 372, 179-182.	27.8	398
136	Targeted Gene Disruption by Homologous Recombination. <i>Annals of the New York Academy of Sciences</i> , 1994, 714, 253-258.	3.8	8
137	Novel Transformations of HPETEs by Cytochrome P450s. <i>Annals of the New York Academy of Sciences</i> , 1994, 744, 25-30.	3.8	2
138	Expression of Porcine Leukocyte 12-Lipoxygenase in a Baculovirus/Insect Cell System and Its Characterization. <i>Archives of Biochemistry and Biophysics</i> , 1994, 312, 219-226.	3.0	23
139	Fibronectin-Induced Cell Spreading and Down-Regulation of 12-Lipoxygenase Expression in Megakaryocytic DAMI Cells. <i>Biochemical and Biophysical Research Communications</i> , 1994, 204, 606-612.	2.1	5
140	Purification and characterization of recombinant histidine-tagged human platelet 12-lipoxygenase expressed in a baculovirus/insect cell system. <i>FEBS Journal</i> , 1993, 214, 845-852.	0.2	58
141	Molecular Biology in the Eicosanoid Field. <i>Progress in Molecular Biology and Translational Science</i> , 1993, 45, 67-98.	1.9	81
142	Molecular cloning of an allene oxide synthase: a cytochrome P450 specialized for the metabolism of fatty acid hydroperoxides.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993, 90, 8519-8523.	7.1	280
143	Structure&function properties of human platelet 12&lipoxygenase: chimeric enzyme and in vitro mutagenesis studies. <i>FASEB Journal</i> , 1993, 7, 694-701.	0.5	64
144	Characterization of human 12-lipoxygenase genes.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1992, 89, 3962-3966.	7.1	91

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145	Lipoxin generation by human megakaryocyte-induced 12-lipoxygenase. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1992, 1133, 223-234.	4.1	40
146	Molecular cloning and expression of mouse leukotriene A4 hydrolase cDNA. <i>Biochemical and Biophysical Research Communications</i> , 1991, 176, 1516-1524.	2.1	44
147	Human platelet/erythroleukemia cell prostaglandin G/H synthase: cDNA cloning, expression, and gene chromosomal assignment. <i>FASEB Journal</i> , 1991, 5, 2304-2312.	0.5	530
148	Lipoxygenase, Cyclooxygenase and Leukotriene A4 Hydrolase: Quantitative Polymerase Chain Reaction and Expression Studies. , 1991, , 97-105.		2
149	[53] Cloning of leukotriene A4 hydrolase cDNA. <i>Methods in Enzymology</i> , 1990, 187, 486-491.	1.0	0
150	[54] Molecular biology and cloning of archidonate 5-lipoxygenase. <i>Methods in Enzymology</i> , 1990, 187, 491-501.	1.0	2
151	Human fibroblasts show expression of the leukotriene-A4-hydrolase gene, which is increased after simian-virus-40 transformation. <i>FEBS Journal</i> , 1990, 191, 27-31.	0.2	25
152	Molecular cloning, primary structure, and expression of the human platelet/erythroleukemia cell 12-lipoxygenase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 5638-5642.	7.1	187
153	Binding of prostaglandin E2 to cultured bovine adrenal chromaffin cells and its effect on catecholamine secretion. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1989, 1010, 369-376.	4.1	12
154	B-lymphocytic cell line Raji expresses the leukotriene A4 hydrolase gene but not the 5-lipoxygenase gene. <i>Biochemical and Biophysical Research Communications</i> , 1989, 161, 740-745.	2.1	17
155	Native and mutant 5-lipoxygenase expression in a baculovirus/insect cell system.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 2592-2596.	7.1	66
156	Characterization of the human 5-lipoxygenase gene.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1989, 86, 2587-2591.	7.1	181
157	Leukotriene A4, conversion to leukotriene B4 in human T-cell lines. <i>Prostaglandins</i> , 1988, 36, 241-248.	1.2	21
158	Molecular cloning and amino acid sequence of human 5-lipoxygenase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988, 85, 26-30.	7.1	203
159	Molecular cloning and amino acid sequence of leukotriene A4 hydrolase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1987, 84, 6677-6681.	7.1	132
160	Effects of selenium-deficient diets on the production of prostaglandins and other oxygenated metabolites of arachidonic acid and linoleic acid by rat and rabbit aortae. <i>Lipids and Lipid Metabolism</i> , 1987, 921, 213-220.	2.6	13
161	Metabolism of arachidonic acid and other polyunsaturated fatty acids by blood vessels. <i>Progress in Lipid Research</i> , 1987, 26, 183-210.	11.6	25
162	Conversion of 8,11,14-eicosatrienoic acid to 11,12-epoxy-10-hydroxy-8-heptadecenoic acid by aorta. <i>Prostaglandins</i> , 1983, 25, 299-309.	1.2	9

#	ARTICLE	IF	CITATIONS
163	Metabolism of linoleic acid by prostaglandin endoperoxide synthase from adult and fetal blood vessels. <i>Lipids and Lipid Metabolism</i> , 1983, 754, 57-71.	2.6	65