John R Falck

List of Publications by Year
in descending order

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662	35,987	2203	9553
papers	citations	99 h-index	142 g-index

681	681	681	21682
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Role of Substrates and Products of PI 3-kinase in Regulating Activation of Rac-Related Guanosine Triphosphatases by Vav. Science, 1998, 279, 558-560.	6.0	766
2	Lysine Propionylation and Butyrylation Are Novel Post-translational Modifications in Histones. Molecular and Cellular Proteomics, 2007, 6, 812-819.	2.5	639
3	Cytochrome P450 and arachidonic acid bioactivation: molecular and functional properties of the arachidonate monooxygenase. Journal of Lipid Research, 2000, 41, 163-181.	2.0	462
4	Targeting QseC Signaling and Virulence for Antibiotic Development. Science, 2008, 321, 1078-1080.	6.0	452
5	Molecular Cloning and Expression of CYP2J2, a Human Cytochrome P450 Arachidonic Acid Epoxygenase Highly Expressed in Heart. Journal of Biological Chemistry, 1996, 271, 3460-3468.	1.6	425
6	High Affinity Binding of Inositol Phosphates and Phosphoinositides to the Pleckstrin Homology Domain of RAC/Protein Kinase B and Their Influence on Kinase Activity. Journal of Biological Chemistry, 1997, 272, 8474-8481.	1.6	385
7	Production of 20-HETE and Its Role in Autoregulation of Cerebral Blood Flow. Circulation Research, 2000, 87, 60-65.	2.0	296
8	Overexpression of Cytochrome P450 CYP2J2 Protects against Hypoxia-Reoxygenation Injury in Cultured Bovine Aortic Endothelial Cells. Molecular Pharmacology, 2001, 60, 310-320.	1.0	258
9	Amideâ€Directed Tandem Cï£¿C/Cï£¿N Bond Formation through Cï£¿H Activation. Chemistry - an Asian Journal, 2012, 7, 1502-1514.	1.7	252
10	Direct Stereospecific Synthesis of Unprotected N-H and N-Me Aziridines from Olefins. Science, 2014, 343, 61-65.	6.0	249
11	Endothelium-Derived Hyperpolarizing Factor in Human Internal Mammary Artery Is 11,12-Epoxyeicosatrienoic Acid and Causes Relaxation by Activating Smooth Muscle BK Ca Channels. Circulation, 2003, 107, 769-776.	1.6	243
12	Epoxyeicosanoids stimulate multiorgan metastasis and tumor dormancy escape in mice. Journal of Clinical Investigation, 2012, 122, 178-191.	3.9	242
13	Phosphoinositide 3-kinase activates Rac by entering in a complex with Eps8, Abi1, and Sos-1. Journal of Cell Biology, 2003, 160, 17-23.	2.3	231
14	Dirhodium-catalyzed C-H arene amination using hydroxylamines. Science, 2016, 353, 1144-1147.	6.0	224
15	Inhibitors of cytochrome P-450-dependent arachidonic acid metabolism. Archives of Biochemistry and Biophysics, 1988, 261, 257-263.	1.4	198
16	Molecular Cloning, Expression, and Functional Significance of a Cytochrome P450 Highly Expressed in Rat Heart Myocytes. Journal of Biological Chemistry, 1997, 272, 12551-12559.	1.6	197
17	Human cytochromes P450. Molecular Aspects of Medicine, 1999, 20, 1-137.	2.7	196
18	Arrestin function in G protein-coupled receptor endocytosis requires phosphoinositide binding. EMBO Journal, 1999, 18, 871-881.	3.5	195

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19	Regio- and enantiofacial selectivity of epoxyeicosatrienoic acid hydration by cytosolic epoxide hydrolase.. Journal of Biological Chemistry, 1993, 268, 6402-6407.	1.6	193
20	Inhibition of 20-HETE Production Contributes to the Vascular Responses to Nitric Oxide. Hypertension, 1997, 29, 320-325.	1.3	192
21	The CYP4A Isoforms Hydroxylate Epoxyeicosatrienoic Acids to Form High Affinity Peroxisome Proliferator-activated Receptor Ligands. Journal of Biological Chemistry, 2002, 277, 35105-35112.	1.6	190
22	14,15-Epoxyeicosa-5(Z)-enoic Acid. Circulation Research, 2002, 90, 1028-1036.	2.0	181
23	Arachidonic Acid Metabolites as Endothelium-Derived Hyperpolarizing Factors. Hypertension, 2007, 49, 590-596.	1.3	181
24	Soluble Epoxide Hydrolase: A Novel Therapeutic Target in Stroke. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1931-1940.	2.4	179
25	The reaction of arachidonic acid epoxides (epoxyeicosatrienoic acids) with a cytosolic epoxide hydrolase. Archives of Biochemistry and Biophysics, 1983, 223, 639-648.	1.4	177
26	Formation of 19(S)-, 19(R)-, and 18(R)-hydroxyeicosatetraenoic acids by alcohol-inducible cytochrome P450 2E1. Journal of Biological Chemistry, 1993, 268, 12912-12918.	1.6	174
27	Role of Soluble Epoxide Hydrolase in Postischemic Recovery of Heart Contractile Function. Circulation Research, 2006, 99, 442-450.	2.0	173
28	20-Hydroxyeicosatetraenoic Acid Stimulates Nuclear Factor-Î¹B Activation and the Production of Inflammatory Cytokines in Human Endothelial Cells. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 103-110.	1.3	169
29	Novel conversion of epoxides to one carbon homologated allylic alcohols by dimethylsulfonium methylide. Tetrahedron Letters, 1994, 35, 5449-5452.	0.7	166
30	Mild and Rapid Hydroxylation of Aryl/Heteroaryl Boronic Acids and Boronate Esters with N-Oxides. Organic Letters, 2012, 14, 3494-3497.	2.4	166
31	Control of Intramolecular Interactions between the Pleckstrin Homology and Dbl Homology Domains of Vav and Sos1 Regulates Rac Binding. Journal of Biological Chemistry, 2000, 275, 15074-15081.	1.6	165
32	Requirement of Inositol Pyrophosphates for Full Exocytotic Capacity in Pancreatic Î² Cells. Science, 2007, 318, 1299-1302.	6.0	165
33	Efficient Iridiumâ€Catalyzed Cï£¿H Functionalization/Silylation of Heteroarenes. Angewandte Chemie - International Edition, 2008, 47, 7508-7510.	7.2	165
34	Enantioselective, Organocatalytic Oxy-Michael Addition to Î³/Î´-Hydroxy-Î±,Î²-enones:â€‰ Boronate-Amine Complexes as Chiral Hydroxide Synthons. Journal of the American Chemical Society, 2008, 130, 46-48.	6.6	163
35	Nitric Oxide-20â€“Hydroxyeicosatetraenoic Acid Interaction in the Regulation of K ⁺ Channel Activity and Vascular Tone in Renal Arterioles. Circulation Research, 1998, 83, 1069-1079.	2.0	162
36	The Highly Stereoselective Oxidation of Polyunsaturated Fatty Acids by Cytochrome P450BM-3. Journal of Biological Chemistry, 1996, 271, 22663-22671.	1.6	161

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37	Epoxyeicosatrienoic acids stimulate glucagon and insulin release from isolated rat pancreatic islets. Biochemical and Biophysical Research Communications, 1983, 114, 743-749.	1.0	160
38	Characterization of 5,6- and 8,9-Epoxyeicosatrienoic Acids (5,6- and 8,9-EET) as Potent in Vivo Angiogenic Lipids. Journal of Biological Chemistry, 2005, 280, 27138-27146.	1.6	160
39	Epoxyeicosatrienoic and dihydroxyeicosatrienoic acids dilate human coronary arterioles via BKCa channels: implications for soluble epoxide hydrolase inhibition. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H491-H499.	1.5	159
40	Molecular Cloning, Expression and Characterization of an Endogenous Human Cytochrome P450 Arachidonic Acid Epoxygenase Isoform. Archives of Biochemistry and Biophysics, 1995, 322, 76-86.	1.4	158
41	Epoxyeicosatrienoic Acids Regulate Trp Channelâ€“Dependent Ca ²⁺ Signaling and Hyperpolarization in Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2612-2618.	1.1	158
42	A Functional Phosphatidylinositol 3,4,5-Trisphosphate/Phosphoinositide Binding Domain in the Clathrin Adaptor AP-2 Î± Subunit. IMPLICATIONS FOR THE ENDOCYTIC PATHWAY. Journal of Biological Chemistry, 1996, 271, 20922-20929.	1.6	156
43	An Active Site Substitution, F87V, Converts Cytochrome P450 BM-3 into a Regio- and Stereoselective (14S,15R)-Arachidonic Acid Epoxygenase. Journal of Biological Chemistry, 1997, 272, 1127-1135.	1.6	156
44	Global Identification of O-GlcNAc-Modified Proteins. Analytical Chemistry, 2006, 78, 452-458.	3.2	153
45	20-Hydroxyeicosatetraenoic acid causes endothelial dysfunction via eNOS uncoupling. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H1018-H1026.	1.5	149
46	Cytochrome P450 epoxygenases 2C8 and 2C9 are implicated in hypoxia-induced endothelial cell migration and angiogenesis. Journal of Cell Science, 2005, 118, 5489-5498.	1.2	148
47	N-Acylsulfonamide Assisted Tandem Câ^'H Olefination/Annulation: Synthesis of Isoindolinones. Organic Letters, 2011, 13, 1214-1217.	2.4	146
48	Novel epoxides formed during the liver cytochrome P-450 oxidation of arachidonic acid. Biochemical and Biophysical Research Communications, 1982, 104, 916-922.	1.0	145
49	Binding of Two Flaviolin Substrate Molecules, Oxidative Coupling, and Crystal Structure of Streptomyces coelicolor A3(2) Cytochrome P450 158A2. Journal of Biological Chemistry, 2005, 280, 11599-11607.	1.6	142
50	Rhodiumâ€Catalyzed Annulation of Nâ€Benzoylsulfonamide with Isocyanide through Cï£¿H Activation. Chemistry - A European Journal, 2011, 17, 12591-12595.	1.7	142
51	Multiple antiapoptotic targets of the PI3K/Akt survival pathway are activated by epoxyeicosatrienoic acids to protect cardiomyocytes from hypoxia/anoxia. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H724-H735.	1.5	141
52	Elusive Metal-Free Primary Amination of Arylboronic Acids: Synthetic Studies and Mechanism by Density Functional Theory. Journal of the American Chemical Society, 2012, 134, 18253-18256.	6.6	139
53	Cytochrome P450 Eicosanoids are Activators of Peroxisome Proliferator-Activated Receptor Î±. Drug Metabolism and Disposition, 2007, 35, 1126-1134.	1.7	138
54	Rhodium catalyzed Câ€“H olefination of N-benzoylsulfonamides with internal alkenes. Chemical Communications, 2012, 48, 1674-1676.	2.2	138

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55	Urinary 20-Hydroxyeicosatetraenoic Acid Is Associated With Endothelial Dysfunction in Humans. Circulation, 2004, 110, 438-443.	1.6	136
56	Identification of palmitoylated mitochondrial proteins using a bioâ€orthogonal azidoâ€palmitate analogue. FASEB Journal, 2008, 22, 721-732.	0.2	136
57	Tagging-via-Substrate Strategy for Probing O-GlcNAc Modified Proteins. Journal of Proteome Research, 2005, 4, 950-957.	1.8	133
58	Cytochrome P-450 arachidonic acid epoxygenase. Regulatory control of the renal epoxygenase by dietary salt loading.. Journal of Biological Chemistry, 1992, 267, 21720-21726.	1.6	131
59	Epoxyeicosatrienoic Acid Agonist Rescues the Metabolic Syndrome Phenotype of HO-2-Null Mice. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 906-916.	1.3	129
60	Ca2+/Calmodulin Reverses Phosphatidylinositol 3,4,5-Trisphosphate-dependent Inhibition of Regulators of G Protein-signaling GTPase-activating Protein Activity. Journal of Biological Chemistry, 2000, 275, 18962-18968.	1.6	128
61	Salt-sensitive hypertension is associated with dysfunctional Cyp4a10 gene and kidney epithelial sodium channel. Journal of Clinical Investigation, 2006, 116, 1696-1702.	3.9	128
62	The Lipid Products of Phosphoinositide 3-Kinase Increase Cell Motility through Protein Kinase C. Journal of Biological Chemistry, 1997, 272, 6465-6470.	1.6	126
63	Elevated production of 20-HETE in the cerebral vasculature contributes to severity of ischemic stroke and oxidative stress in spontaneously hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2455-H2465.	1.5	126
64	Endothelial expression of human cytochrome P450 epoxygenases lowers blood pressure and attenuates hypertensionâ€induced renal injury in mice. FASEB Journal, 2010, 24, 3770-3781.	0.2	126
65	Metabolism of Epoxyeicosatrienoic Acids by Cytosolic Epoxide Hydrolase: Substrate Structural Determinants of Asymmetric Catalysis. Archives of Biochemistry and Biophysics, 1995, 316, 443-451.	1.4	125
66	The Diadenosine Hexaphosphate Hydrolases fromSchizosaccharomyces pombe and Saccharomyces cerevisiae Are Homologues of the Human Diphosphoinositol Polyphosphate Phosphohydrolase. Journal of Biological Chemistry, 1999, 274, 21735-21740.	1.6	125
67	Calcium Influx Factor, Further Evidence It Is 5,6-Epoxyeicosatrienoic Acid. Journal of Biological Chemistry, 1999, 274, 175-182.	1.6	124
68	2-Arachidonoylglycerol. Cancer Research, 2004, 64, 8826-8830.	0.4	124
69	Epoxyeicosanoids promote organ and tissue regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13528-13533.	3.3	124
70	Epoxyeicosatrienoic Acids and Their Sulfonimide Derivatives Stimulate Tyrosine Phosphorylation and Induce Mitogenesis in Renal Epithelial Cells. Journal of Biological Chemistry, 1998, 273, 29254-29261.	1.6	123
71	Structural basis for an inositol pyrophosphate kinase surmounting phosphate crowding. Nature Chemical Biology, 2012, 8, 111-116.	3.9	123
72	Absolute configuration of the hydroxyeicosatetraenoic acids (HETEs) formed during catalytic oxygenation of arachidonic acid by microsomal cytochrome P-450. Biochemical and Biophysical Research Communications, 1986, 141, 1007-1011.	1.0	122

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73	Structural Analysis and Detection of Biological Inositol Pyrophosphates Reveal That the Family of VIP/Diphosphoinositol Pentakisphosphate Kinases Are 1/3-Kinases. Journal of Biological Chemistry, 2009, 284, 1863-1872.	1.6	119
74	20-HETE Signals Through G-Proteinâ€“Coupled Receptor GPR75 (G _q) to Affect Vascular Function and Trigger Hypertension. Circulation Research, 2017, 120, 1776-1788.	2.0	119
75	Cytochrome P450, the arachidonic acid cascade, and hypertension: new vistas for an old enzyme system. FASEB Journal, 1996, 10, 1456-1463.	0.2	117
76	The CYP P450 Arachidonic Acid Monooxygenases: From Cell Signaling to Blood Pressure Regulation. Biochemical and Biophysical Research Communications, 2001, 285, 571-576.	1.0	115
77	Vasoactivity of arachidonic acid epoxides. European Journal of Pharmacology, 1987, 138, 281-283.	1.7	114
78	Role of Tyrosine Kinase and PKC in the Vasoconstrictor Response to 20-HETE in Renal Arterioles. Hypertension, 1999, 33, 414-418.	1.3	114
79	Suppression of cortical functional hyperemia to vibrissal stimulation in the rat by epoxygenase inhibitors. American Journal of Physiology - Heart and Circulatory Physiology, 2002, 283, H2029-H2037.	1.5	114
80	The postmortal accumulation of brain N-arachidonylethanolamine (anandamide) is dependent upon fatty acid amide hydrolase activity. Journal of Lipid Research, 2005, 46, 342-349.	2.0	114
81	Endothelial CYP epoxygenase overexpression and soluble epoxide hydrolase disruption attenuate acute vascular inflammatory responses in mice. FASEB Journal, 2011, 25, 703-713.	0.2	113
82	EDHF mediates flow-induced dilation in skeletal muscle arterioles of female eNOS-KO mice. American Journal of Physiology - Heart and Circulatory Physiology, 2001, 280, H2462-H2469.	1.5	112
83	Epoxyeicosatrienoic Acids Are Released to Mediate Shear Stressâ€“Dependent Hyperpolarization of Arteriolar Smooth Muscle. Circulation Research, 2005, 96, 376-383.	2.0	111
84	Epoxygenase Metabolites Contribute to Nitric Oxide-Independent Afferent Arteriolar Vasodilation in Response to Bradykinin. Journal of Vascular Research, 2001, 38, 247-255.	0.6	110
85	QseC Inhibitors as an Antivirulence Approach for Gram-Negative Pathogens. MBio, 2014, 5, e02165.	1.8	110
86	Liquid Chromatographicâ€“Electrospray Ionizationâ€“Mass Spectrometric Analysis of Cytochrome P450 Metabolites of Arachidonic Acid. Analytical Biochemistry, 2001, 298, 327-336.	1.1	109
87	Purification, Sequencing, and Molecular Identification of a Mammalian PP-InsP5 Kinase That Is Activated When Cells Are Exposed to Hyperosmotic Stress. Journal of Biological Chemistry, 2007, 282, 30763-30775.	1.6	109
88	Distribution of soluble and microsomal epoxide hydrolase in the mouse brain and its contribution to cerebral epoxyeicosatrienoic acid metabolism. Neuroscience, 2009, 163, 646-661.	1.1	109
89	Stereospecific Suzuki Cross-Coupling of Alkyl Î±-Cyanohydrin Triflates. Journal of the American Chemical Society, 2010, 132, 2524-2525.	6.6	109
90	Roles of the cytochrome P450 arachidonic acid monooxygenases in the control of systemic blood pressure and experimental hypertension. Kidney International, 2007, 72, 683-689.	2.6	108

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91	Carbon Monoxide Signaling in Promoting Angiogenesis in Human Microvessel Endothelial Cells. Antioxidants and Redox Signaling, 2005, 7, 704-710.	2.5	107
92	Ag(I)-promoted Suzukiâ€“Miyaura cross-couplings of n -alkylboronic acids. Tetrahedron Letters, 2001, 42, 7213-7215.	0.7	106
93	Cytochrome and arachidonic acid metabolites: Role in myocardial ischemia/reperfusion injury revisited. Cardiovascular Research, 2005, 68, 18-25.	1.8	106
94	Cytochrome P450 Epoxygenase Gene Function in Hypoxic Pulmonary Vasoconstriction and Pulmonary Vascular Remodeling. Hypertension, 2006, 47, 762-770.	1.3	105
95	Determination of Cytochrome P450 Metabolites of Arachidonic Acid in Coronary Venous Plasma during Ischemia and Reperfusion in Dogs. Analytical Biochemistry, 2001, 292, 115-124.	1.1	103
96	Activation of Vascular Endothelial Growth Factor through Reactive Oxygen Species Mediates 20-Hydroxyeicosatetraenoic Acid-Induced Endothelial Cell Proliferation. Journal of Pharmacology and Experimental Therapeutics, 2007, 321, 18-27.	1.3	103
97	Rapid detection, discovery, and identification of postâ€translationally myristoylated proteins during apoptosis using a bioâ€orthogonal azidomyristate analog. FASEB Journal, 2008, 22, 797-806.	0.2	103
98	Transfection of an Active Cytochrome P450 Arachidonic Acid Epoxygenase Indicates That 14,15-Epoxyeicosatrienoic Acid Functions as an Intracellular Second Messenger in Response to Epidermal Growth Factor. Journal of Biological Chemistry, 1999, 274, 4764-4769.	1.6	102
99	Arachidonic acid epoxygenase: Structural characterization and quantification of epoxyeicosatrienoates in plasma. Biochemical and Biophysical Research Communications, 1992, 182, 1320-1325.	1.0	101
100	Inhibition of Cytochrome P450Ï‰-Hydroxylase. Circulation Research, 2004, 95, e65-71.	2.0	101
101	Rapid and selective detection of fatty acylated proteins using Ï‰-alkynyl-fatty acids and click chemistry. Journal of Lipid Research, 2010, 51, 1566-1580.	2.0	101
102	Epoxyeicosatrienoic acids and the soluble epoxide hydrolase are determinants of pulmonary artery pressure and the acute hypoxic pulmonary vasoconstrictor response. FASEB Journal, 2008, 22, 4306-4315.	0.2	100
103	Epoxyeicosatrienoic Acid Agonist Regulates Human Mesenchymal Stem Cellâ€“Derived Adipocytes Through Activation ofHO-1-pAKTSignaling and a Decrease inPPARÎ³. Stem Cells and Development, 2010, 19, 1863-1873.	1.1	98
104	14,15-Dihydroxyeicosatrienoic acid activates peroxisome proliferator-activated receptor-Î±. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 290, H55-H63.	1.5	96
105	Epoxyeicosatrienoic acids are part of the VEGF-activated signaling cascade leading to angiogenesis. American Journal of Physiology - Cell Physiology, 2008, 295, C1292-C1301.	2.1	96
106	Renal vasodilator activity of 5,6-epoxyeicosatrienoic acid depends upon conversion by cyclooxygenase and release of prostaglandins. Journal of Biological Chemistry, 1993, 268, 12260-12266.	1.6	95
107	Peroxisomal Proliferator-activated Receptor-Î±-dependent Inhibition of Endothelial Cell Proliferation and Tumorigenesis. Journal of Biological Chemistry, 2007, 282, 17685-17695.	1.6	94
108	Hydrogen Peroxide Inhibits Cytochrome P450 Epoxygenases. Circulation Research, 2008, 102, 59-67.	2.0	94

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109	Afferent Arteriolar Vasodilation to the Sulfonimide Analog of 11,12-Epoxyeicosatrienoic Acid Involves Protein Kinase A. Hypertension, 1999, 33, 408-413.	1.3	93
110	Mechanisms by which epoxyeicosatrienoic acids (EETs) elicit cardioprotection in rat hearts. Journal of Molecular and Cellular Cardiology, 2007, 42, 687-691.	0.9	93
111	PGC-1 alpha regulates HO-1 expression, mitochondrial dynamics and biogenesis: Role of epoxyeicosatrienoic acid. Prostaglandins and Other Lipid Mediators, 2016, 125, 8-18.	1.0	93
112	Cytochrome P450-derived renal HETEs: Storage and release. Kidney International, 1997, 51, 1696-1702.	2.6	92
113	Biochemical and molecular properties of the cytochrome P450 arachidonic acid monooxygenases. Prostaglandins and Other Lipid Mediators, 2002, 68-69, 325-344.	1.0	91
114	Arachidonic Acid Inhibits Epithelial Na Channel Via Cytochrome P450 (CYP) Epoxygenase-dependent Metabolic Pathways. Journal of General Physiology, 2004, 124, 719-727.	0.9	91
115	CYP3A4 Mediates Growth of Estrogen Receptor-positive Breast Cancer Cells in Part by Inducing Nuclear Translocation of Phospho-Stat3 through Biosynthesis of (Â±)-14,15-Epoxyeicosatrienoic Acid (EET). Journal of Biological Chemistry, 2011, 286, 17543-17559.	1.6	89
116	Bradykinin-induced, endothelium-dependent responses in porcine coronary arteries: involvement of potassium channel activation and epoxyeicosatrienoic acids. British Journal of Pharmacology, 2005, 145, 775-784.	2.7	88
117	19(S)-hydroxyeicosatetraenoic acid is a potent stimulator of renal Na+-K+-ATPase. Biochemical and Biophysical Research Communications, 1988, 152, 1269-1274.	1.0	87
118	Inhibitors of Cytochrome P450 4A Suppress Angiogenic Responses. American Journal of Pathology, 2005, 166, 615-624.	1.9	87
119	Regulation of AP-3 Function by Inositides. Journal of Biological Chemistry, 1997, 272, 6393-6398.	1.6	86
120	Role of cGMP versus 20-HETE in the vasodilator response to nitric oxide in rat cerebral arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H339-H350.	1.5	86
121	[43] Cytochrome P-450 arachidonate oxygenase. Methods in Enzymology, 1990, 187, 385-394.	0.4	83
122	Role of EDHF in type 2 diabetes-induced endothelial dysfunction. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H1982-H1988.	1.5	83
123	Identification of the 11,14,15- and 11,12,15-Trihydroxyeicosatrienoic Acids as Endothelium-derived Relaxing Factors of Rabbit Aorta. Journal of Biological Chemistry, 1998, 273, 30879-30887.	1.6	82
124	Characterization of Epoxyeicosatrienoic Acid Binding Site in U937 Membranes Using a Novel Radiolabeled Agonist, 20-¹²⁵I-14,15-Epoxyeicosa-8(Z)-Enoic Acid. Journal of Pharmacology and Experimental Therapeutics, 2008, 324, 1019-1027.	1.3	82
125	Antinociception Produced by 14,15-Epoxyeicosatrienoic Acid Is Mediated by the Activation of Î²-Endorphin and Met-Enkephalin in the Rat Ventrolateral Periaqueductal Gray. Journal of Pharmacology and Experimental Therapeutics, 2008, 326, 614-622.	1.3	82
126	Cytochrome P450 and Cyclooxygenase Metabolites Contribute to the Endothelin-1 Afferent Arteriolar Vasoconstrictor and Calcium Responses. Hypertension, 2000, 35, 307-312.	1.3	81

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127	Transition Metalâ€Free ipsoâ€Functionalization of Arylboronic Acids and Derivatives. Advanced Synthesis and Catalysis, 2014, 356, 2395-2410.	2.1	81
128	20-Hydroxy-5,8,11,14-eicosatetraenoic Acid Mediates Endothelial Dysfunction via IÎºB Kinase-Dependent Endothelial Nitric-Oxide Synthase Uncoupling. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 57-65.	1.3	80
129	Cytochrome P450 ï‰-hydroxylase promotes angiogenesis and metastasis by upregulation of VEGF and MMP-9 in non-small cell lung cancer. Cancer Chemotherapy and Pharmacology, 2011, 68, 619-629.	1.1	80
130	Molecular cloning, expression, and enzymatic characterization of the rat kidney cytochrome P-450 arachidonic acid epoxygenase. Journal of Biological Chemistry, 1993, 268, 13565-13570.	1.6	80
131	Contribution of cytochrome P450 epoxygenase and hydroxylase pathways to afferent arteriolar autoregulatory responsiveness. British Journal of Pharmacology, 1999, 127, 1399-1405.	2.7	78
132	Carbon monoxide and biliverdin prevent endothelial cell sloughing in rats with type I diabetes. Free Radical Biology and Medicine, 2006, 40, 2198-2205.	1.3	78
133	Mechanism and signal transduction of 14 (R), 15 (S)-epoxyeicosatrienoic acid (14,15-EET) binding in guinea pig monocytes. Prostaglandins and Other Lipid Mediators, 2000, 62, 321-333.	1.0	77
134	P-450 epoxygenase and NO synthase inhibitors reduce cerebral blood flow response toN-methyl-d-aspartate. American Journal of Physiology - Heart and Circulatory Physiology, 2000, 279, H1616-H1624.	1.5	77
135	Increasing or stabilizing renal epoxyeicosatrienoic acid production attenuates abnormal renal function and hypertension in obese rats. American Journal of Physiology - Renal Physiology, 2007, 293, F342-F349.	1.3	77
136	Effects of the selective EET antagonist, 14,15-EEZE, on cardioprotection produced by exogenous or endogenous EETs in the canine heart. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H2838-H2844.	1.5	77
137	Epoxyeicosatrienoic acids constrict isolated pressurized rabbit pulmonary arteries. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 278, L335-L343.	1.3	76
138	Epoxyeicosatrienoic acids limit damage to mitochondrial function following stress in cardiac cells. Journal of Molecular and Cellular Cardiology, 2009, 46, 867-875.	0.9	76
139	20-HETE agonists and antagonists in the renal circulation. American Journal of Physiology - Renal Physiology, 1999, 277, F790-F796.	1.3	75
140	Cytochrome P450 CYP2J9, a New Mouse Arachidonic Acid ï‰-1 Hydroxylase Predominantly Expressed in Brain. Journal of Biological Chemistry, 2001, 276, 25467-25479.	1.6	75
141	Role of SKCa and IKCa in endothelium-dependent hyperpolarizations of the guinea-pig isolated carotid artery. British Journal of Pharmacology, 2005, 144, 477-485.	2.7	75
142	Epoxyeicosatrienoic acids in cardioprotection: ischemic versus reperfusion injury. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H537-H542.	1.5	75
143	Endothelial nitric oxide synthase activation leads to dilatory H2O2 production in mouse cerebral arteries. Cardiovascular Research, 2007, 73, 73-81.	1.8	75
144	Interaction of Mechanisms Involving Epoxyeicosatrienoic Acids, Adenosine Receptors, and Metabotropic Glutamate Receptors in Neurovascular Coupling in Rat Whisker Barrel Cortex. Journal of Cerebral Blood Flow and Metabolism, 2008, 28, 111-125.	2.4	75

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