

John R Falck

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

655
papers

31,505
citations

93
h-index

133
g-index

680
ext. papers

33,781
ext. citations

5.1
avg, IF

6.88
L-index

#	Paper	IF	Citations
655	Role of substrates and products of PI 3-kinase in regulating activation of Rac-related guanosine triphosphatases by Vav. <i>Science</i> , 1998 , 279, 558-60	33.3	741
654	Lysine propionylation and butyrylation are novel post-translational modifications in histones. <i>Molecular and Cellular Proteomics</i> , 2007 , 6, 812-9	7.6	466
653	Cytochrome P450 and arachidonic acid bioactivation: molecular and functional properties of the arachidonate monooxygenase. <i>Journal of Lipid Research</i> , 2000 , 41, 163-181	6.3	404
652	Targeting QseC signaling and virulence for antibiotic development. <i>Science</i> , 2008 , 321, 1078-80	33.3	382
651	Molecular cloning and expression of CYP2J2, a human cytochrome P450 arachidonic acid epoxygenase highly expressed in heart. <i>Journal of Biological Chemistry</i> , 1996 , 271, 3460-8	5.4	376
650	High affinity binding of inositol phosphates and phosphoinositides to the pleckstrin homology domain of RAC/protein kinase B and their influence on kinase activity. <i>Journal of Biological Chemistry</i> , 1997 , 272, 8474-81	5.4	347
649	Production of 20-HETE and its role in autoregulation of cerebral blood flow. <i>Circulation Research</i> , 2000 , 87, 60-5	15.7	272
648	Overexpression of cytochrome P450 CYP2J2 protects against hypoxia-reoxygenation injury in cultured bovine aortic endothelial cells. <i>Molecular Pharmacology</i> , 2001 , 60, 310-20	4.3	246
647	Amide-directed tandem C-C/C-N bond formation through C-H activation. <i>Chemistry - an Asian Journal</i> , 2012 , 7, 1502-14	4.5	239
646	Endothelium-derived hyperpolarizing factor in human internal mammary artery is 11,12-epoxyeicosatrienoic acid and causes relaxation by activating smooth muscle BK(Ca) channels. <i>Circulation</i> , 2003 , 107, 769-76	16.7	227
645	Epoxyeicosanoids stimulate multiorgan metastasis and tumor dormancy escape in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 178-91	15.9	208
644	Phosphoinositide 3-kinase activates Rac by entering in a complex with Eps8, Abi1, and Sos-1. <i>Journal of Cell Biology</i> , 2003 , 160, 17-23	7.3	205
643	Direct stereospecific synthesis of unprotected N-H and N-Me aziridines from olefins. <i>Science</i> , 2014 , 343, 61-5	33.3	190
642	Inhibitors of cytochrome P-450-dependent arachidonic acid metabolism. <i>Archives of Biochemistry and Biophysics</i> , 1988 , 261, 257-63	4.1	189
641	Molecular cloning, expression, and functional significance of a cytochrome P450 highly expressed in rat heart myocytes. <i>Journal of Biological Chemistry</i> , 1997 , 272, 12551-9	5.4	177
640	Inhibition of 20-HETE production contributes to the vascular responses to nitric oxide. <i>Hypertension</i> , 1997 , 29, 320-5	8.5	173
639	Regio- and enantiofacial selectivity of epoxyeicosatrienoic acid hydration by cytosolic epoxide hydrolase.. <i>Journal of Biological Chemistry</i> , 1993 , 268, 6402-6407	5.4	172

638	Arrestin function in G protein-coupled receptor endocytosis requires phosphoinositide binding. <i>EMBO Journal</i> , 1999 , 18, 871-81	13	171
637	Pharmacogenetics of cytochromes P450. <i>Molecular Aspects of Medicine</i> , 1999 , 20, 12-24, 25-137	16.7	169
636	Arachidonic acid metabolites as endothelium-derived hyperpolarizing factors. <i>Hypertension</i> , 2007 , 49, 590-6	8.5	166
635	The reaction of arachidonic acid epoxides (epoxyeicosatrienoic acids) with a cytosolic epoxide hydrolase. <i>Archives of Biochemistry and Biophysics</i> , 1983 , 223, 639-48	4.1	166
634	Soluble epoxide hydrolase: a novel therapeutic target in stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 1931-40	7.3	163
633	14,15-Epoxyeicosa-5(Z)-enoic acid: a selective epoxyeicosatrienoic acid antagonist that inhibits endothelium-dependent hyperpolarization and relaxation in coronary arteries. <i>Circulation Research</i> , 2002 , 90, 1028-36	15.7	163
632	Role of soluble epoxide hydrolase in postischemic recovery of heart contractile function. <i>Circulation Research</i> , 2006 , 99, 442-50	15.7	161
631	The CYP4A isoforms hydroxylate epoxyeicosatrienoic acids to form high affinity peroxisome proliferator-activated receptor ligands. <i>Journal of Biological Chemistry</i> , 2002 , 277, 35105-12	5.4	157
630	Dirhodium-catalyzed C-H arene amination using hydroxylamines. <i>Science</i> , 2016 , 353, 1144-7	33.3	156
629	Control of intramolecular interactions between the pleckstrin homology and Dbl homology domains of Vav and Sos1 regulates Rac binding. <i>Journal of Biological Chemistry</i> , 2000 , 275, 15074-81	5.4	154
628	Formation of 19(S)-, 19(R)-, and 18(R)-hydroxyeicosatetraenoic acids by alcohol-inducible cytochrome P450 2E1. <i>Journal of Biological Chemistry</i> , 1993 , 268, 12912-12918	5.4	151
627	Novel conversion of epoxides to one carbon homologated allylic alcohols by dimethylsulfonium methylide. <i>Tetrahedron Letters</i> , 1994 , 35, 5449-5452	2	148
626	Epoxyeicosatrienoic and dihydroxyeicosatrienoic acids dilate human coronary arterioles via BK(Ca) channels: implications for soluble epoxide hydrolase inhibition. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 290, H491-9	5.2	147
625	Requirement of inositol pyrophosphates for full exocytotic capacity in pancreatic beta cells. <i>Science</i> , 2007 , 318, 1299-302	33.3	147
624	Enantioselective, organocatalytic oxy-michael addition to gamma/delta-hydroxy-alpha,beta-enones: boronate-amine complexes as chiral hydroxide synthons. <i>Journal of the American Chemical Society</i> , 2008 , 130, 46-8	16.4	146
623	Efficient iridium-catalyzed C-H functionalization/silylation of heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 7508-10	16.4	146
622	Nitric oxide-20-hydroxyeicosatetraenoic acid interaction in the regulation of K ⁺ channel activity and vascular tone in renal arterioles. <i>Circulation Research</i> , 1998 , 83, 1069-79	15.7	146
621	The highly stereoselective oxidation of polyunsaturated fatty acids by cytochrome P450BM-3. <i>Journal of Biological Chemistry</i> , 1996 , 271, 22663-71	5.4	144

620	An active site substitution, F87V, converts cytochrome P450 BM-3 into a regio- and stereoselective (14S,15R)-arachidonic acid epoxygenase. <i>Journal of Biological Chemistry</i> , 1997 , 272, 1127-35	5.4	143
619	Epoxyeicosatrienoic acids regulate Trp channel dependent Ca ²⁺ signaling and hyperpolarization in endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 2612-8	9.4	143
618	Molecular cloning, expression and characterization of an endogenous human cytochrome P450 arachidonic acid epoxygenase isoform. <i>Archives of Biochemistry and Biophysics</i> , 1995 , 322, 76-86	4.1	143
617	Epoxyeicosatrienoic acids stimulate glucagon and insulin release from isolated rat pancreatic islets. <i>Biochemical and Biophysical Research Communications</i> , 1983 , 114, 743-9	3.4	143
616	Global identification of O-GlcNAc-modified proteins. <i>Analytical Chemistry</i> , 2006 , 78, 452-8	7.8	140
615	A functional phosphatidylinositol 3,4,5-trisphosphate/phosphoinositide binding domain in the clathrin adaptor AP-2 alpha subunit. Implications for the endocytic pathway. <i>Journal of Biological Chemistry</i> , 1996 , 271, 20922-9	5.4	140
614	Characterization of 5,6- and 8,9-epoxyeicosatrienoic acids (5,6- and 8,9-EET) as potent in vivo angiogenic lipids. <i>Journal of Biological Chemistry</i> , 2005 , 280, 27138-46	5.4	139
613	Rhodium-catalyzed annulation of N-benzoylsulfonamide with isocyanide through C-H activation. <i>Chemistry - A European Journal</i> , 2011 , 17, 12591-5	4.8	138
612	Cytochrome P450 epoxygenases 2C8 and 2C9 are implicated in hypoxia-induced endothelial cell migration and angiogenesis. <i>Journal of Cell Science</i> , 2005 , 118, 5489-98	5.3	137
611	20-Hydroxyeicosatetraenoic acid stimulates nuclear factor-kappaB activation and the production of inflammatory cytokines in human endothelial cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 324, 103-10	4.7	135
610	Novel epoxides formed during the liver cytochrome P-450 oxidation of arachidonic acid. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 104, 916-22	3.4	135
609	N-acylsulfonamide assisted tandem C-H olefination/annulation: synthesis of isoindolinones. <i>Organic Letters</i> , 2011 , 13, 1214-7	6.2	133
608	Multiple antiapoptotic targets of the PI3K/Akt survival pathway are activated by epoxyeicosatrienoic acids to protect cardiomyocytes from hypoxia/anoxia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H724-35	5.2	130
607	Mild and rapid hydroxylation of aryl/heteroaryl boronic acids and boronate esters with N-oxides. <i>Organic Letters</i> , 2012 , 14, 3494-7	6.2	128
606	Rhodium catalyzed C-H olefination of N-benzoylsulfonamides with internal alkenes. <i>Chemical Communications</i> , 2012 , 48, 1674-6	5.8	127
605	Binding of two flavin substrate molecules, oxidative coupling, and crystal structure of <i>Streptomyces coelicolor</i> A3(2) cytochrome P450 158A2. <i>Journal of Biological Chemistry</i> , 2005 , 280, 11599-607	5.4	126
604	Urinary 20-hydroxyeicosatetraenoic acid is associated with endothelial dysfunction in humans. <i>Circulation</i> , 2004 , 110, 438-43	16.7	125
603	20-hydroxyeicosatetraenoic acid causes endothelial dysfunction via eNOS uncoupling. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H1018-26	5.2	122

602	Cytochrome P450 eicosanoids are activators of peroxisome proliferator-activated receptor alpha. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 1126-34	4	122
601	Tagging-via-substrate strategy for probing O-GlcNAc modified proteins. <i>Journal of Proteome Research</i> , 2005 , 4, 950-7	5.6	121
600	Epoxyeicosatrienoic acid agonist rescues the metabolic syndrome phenotype of HO-2-null mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009 , 331, 906-16	4.7	120
599	Identification of palmitoylated mitochondrial proteins using a bio-orthogonal azido-palmitate analogue. <i>FASEB Journal</i> , 2008 , 22, 721-32	0.9	119
598	Metabolism of epoxyeicosatrienoic acids by cytosolic epoxide hydrolase: substrate structural determinants of asymmetric catalysis. <i>Archives of Biochemistry and Biophysics</i> , 1995 , 316, 443-51	4.1	118
597	Endothelial expression of human cytochrome P450 epoxygenases lowers blood pressure and attenuates hypertension-induced renal injury in mice. <i>FASEB Journal</i> , 2010 , 24, 3770-81	0.9	116
596	Ca ²⁺ /Calmodulin reverses phosphatidylinositol 3,4, 5-trisphosphate-dependent inhibition of regulators of G protein-signaling GTPase-activating protein activity. <i>Journal of Biological Chemistry</i> , 2000 , 275, 18962-8	5.4	115
595	Elusive metal-free primary amination of arylboronic acids: synthetic studies and mechanism by density functional theory. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18253-6	16.4	114
594	Absolute configuration of the hydroxyeicosatetraenoic acids (HETEs) formed during catalytic oxygenation of arachidonic acid by microsomal cytochrome P-450. <i>Biochemical and Biophysical Research Communications</i> , 1986 , 141, 1007-11	3.4	114
593	Epoxyeicosatrienoic acids and their sulfonimide derivatives stimulate tyrosine phosphorylation and induce mitogenesis in renal epithelial cells. <i>Journal of Biological Chemistry</i> , 1998 , 273, 29254-61	5.4	113
592	Calcium influx factor, further evidence it is 5, 6-epoxyeicosatrienoic acid. <i>Journal of Biological Chemistry</i> , 1999 , 274, 175-82	5.4	113
591	The lipid products of phosphoinositide 3-kinase increase cell motility through protein kinase C. <i>Journal of Biological Chemistry</i> , 1997 , 272, 6465-70	5.4	112
590	Elevated production of 20-HETE in the cerebral vasculature contributes to severity of ischemic stroke and oxidative stress in spontaneously hypertensive rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H2455-65	5.2	112
589	Salt-sensitive hypertension is associated with dysfunctional Cyp4a10 gene and kidney epithelial sodium channel. <i>Journal of Clinical Investigation</i> , 2006 , 116, 1696-702	15.9	112
588	Cytochrome P-450 arachidonic acid epoxygenase. Regulatory control of the renal epoxygenase by dietary salt loading.. <i>Journal of Biological Chemistry</i> , 1992 , 267, 21720-21726	5.4	112
587	2-arachidonoylglycerol: a novel inhibitor of androgen-independent prostate cancer cell invasion. <i>Cancer Research</i> , 2004 , 64, 8826-30	10.1	109
586	Cytochrome P450, the arachidonic acid cascade, and hypertension: new vistas for an old enzyme system. <i>FASEB Journal</i> , 1996 , 10, 1456-63	0.9	108
585	Epoxyeicosatrienoic acids are released to mediate shear stress-dependent hyperpolarization of arteriolar smooth muscle. <i>Circulation Research</i> , 2005 , 96, 376-83	15.7	106

584	Liquid chromatographic-electrospray ionization-mass spectrometric analysis of cytochrome P450 metabolites of arachidonic acid. <i>Analytical Biochemistry</i> , 2001 , 298, 327-36	3.1	106
583	The CYP P450 arachidonic acid monooxygenases: from cell signaling to blood pressure regulation. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 285, 571-6	3.4	106
582	Role of tyrosine kinase and PKC in the vasoconstrictor response to 20-HETE in renal arterioles. <i>Hypertension</i> , 1999 , 33, 414-8	8.5	105
581	Epoxygenase metabolites contribute to nitric oxide-independent afferent arteriolar vasodilation in response to bradykinin. <i>Journal of Vascular Research</i> , 2001 , 38, 247-55	1.9	104
580	Suppression of cortical functional hyperemia to vibrissal stimulation in the rat by epoxygenase inhibitors. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H2029-37	5.2	104
579	Vasoactivity of arachidonic acid epoxides. <i>European Journal of Pharmacology</i> , 1987 , 138, 281-3	5.3	104
578	EDHF mediates flow-induced dilation in skeletal muscle arterioles of female eNOS-KO mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001 , 280, H2462-9	5.2	103
577	Epoxyeicosanoids promote organ and tissue regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13528-33	11.5	102
576	Stereospecific Suzuki cross-coupling of alkyl alpha-cyanohydrin triflates. <i>Journal of the American Chemical Society</i> , 2010 , 132, 2524-5	16.4	100
575	Endothelial CYP epoxygenase overexpression and soluble epoxide hydrolase disruption attenuate acute vascular inflammatory responses in mice. <i>FASEB Journal</i> , 2011 , 25, 703-13	0.9	100
574	Cytochrome P450 epoxygenase gene function in hypoxic pulmonary vasoconstriction and pulmonary vascular remodeling. <i>Hypertension</i> , 2006 , 47, 762-70	8.5	100
573	Activation of vascular endothelial growth factor through reactive oxygen species mediates 20-hydroxyeicosatetraenoic acid-induced endothelial cell proliferation. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 321, 18-27	4.7	99
572	The postmortal accumulation of brain N-arachidonylethanolamine (anandamide) is dependent upon fatty acid amide hydrolase activity. <i>Journal of Lipid Research</i> , 2005 , 46, 342-9	6.3	99
571	The diadenosine hexaphosphate hydrolases from <i>Schizosaccharomyces pombe</i> and <i>Saccharomyces cerevisiae</i> are homologues of the human diphosphoinositol polyphosphate phosphohydrolase. Overlapping substrate specificities in a MutT-type protein. <i>Journal of Biological Chemistry</i> , 1999 , 274, 21735-40	5.4	98
570	Arachidonic acid epoxygenase: structural characterization and quantification of epoxyeicosatrienoates in plasma. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 182, 1320-4	3.4	98
569	Structural analysis and detection of biological inositol pyrophosphates reveal that the family of VIP/diphosphoinositol pentakisphosphate kinases are 1/3-kinases. <i>Journal of Biological Chemistry</i> , 2009 , 284, 1863-72	5.4	97
568	Purification, sequencing, and molecular identification of a mammalian PP-InsP5 kinase that is activated when cells are exposed to hyperosmotic stress. <i>Journal of Biological Chemistry</i> , 2007 , 282, 30763-75	5.4	97
567	Epoxyeicosatrienoic acids and the soluble epoxide hydrolase are determinants of pulmonary artery pressure and the acute hypoxic pulmonary vasoconstrictor response. <i>FASEB Journal</i> , 2008 , 22, 4306-15	0.9	96

566	Ag(I)-promoted Suzuki-Miyaura cross-couplings of n-alkylboronic acids. <i>Tetrahedron Letters</i> , 2001 , 42, 7213-7215	2	96
565	Distribution of soluble and microsomal epoxide hydrolase in the mouse brain and its contribution to cerebral epoxyeicosatrienoic acid metabolism. <i>Neuroscience</i> , 2009 , 163, 646-61	3.9	95
564	Carbon monoxide signaling in promoting angiogenesis in human microvessel endothelial cells. <i>Antioxidants and Redox Signaling</i> , 2005 , 7, 704-10	8.4	95
563	Determination of cytochrome P450 metabolites of arachidonic acid in coronary venous plasma during ischemia and reperfusion in dogs. <i>Analytical Biochemistry</i> , 2001 , 292, 115-24	3.1	94
562	Inhibition of cytochrome P450 omega-hydroxylase: a novel endogenous cardioprotective pathway. <i>Circulation Research</i> , 2004 , 95, e65-71	15.7	90
561	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. <i>Journal of Biological Chemistry</i> , 1999 , 274, 4764-9	5.4	90
560	Structural basis for an inositol pyrophosphate kinase surmounting phosphate crowding. <i>Nature Chemical Biology</i> , 2011 , 8, 111-6	11.7	89
559	Cytochrome P450 and arachidonic acid metabolites: role in myocardial ischemia/reperfusion injury revisited. <i>Cardiovascular Research</i> , 2005 , 68, 18-25	9.9	89
558	Cytochrome P450-derived renal HETEs: storage and release. <i>Kidney International</i> , 1997 , 51, 1696-702	9.9	88
557	Hydrogen peroxide inhibits cytochrome p450 epoxygenases: interaction between two endothelium-derived hyperpolarizing factors. <i>Circulation Research</i> , 2008 , 102, 59-67	15.7	88
556	Roles of the cytochrome P450 arachidonic acid monooxygenases in the control of systemic blood pressure and experimental hypertension. <i>Kidney International</i> , 2007 , 72, 683-9	9.9	88
555	Epoxyeicosatrienoic acids are part of the VEGF-activated signaling cascade leading to angiogenesis. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 295, C1292-301	5.4	87
554	Rapid detection, discovery, and identification of post-translationally myristoylated proteins during apoptosis using a bio-orthogonal azidomyristate analog. <i>FASEB Journal</i> , 2008 , 22, 797-806	0.9	87
553	14,15-Dihydroxyeicosatrienoic acid activates peroxisome proliferator-activated receptor-alpha. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 290, H55-63	5.2	87
552	Mechanisms by which epoxyeicosatrienoic acids (EETs) elicit cardioprotection in rat hearts. <i>Journal of Molecular and Cellular Cardiology</i> , 2007 , 42, 687-91	5.8	87
551	Afferent arteriolar vasodilation to the sulfonimide analog of 11, 12-epoxyeicosatrienoic acid involves protein kinase A. <i>Hypertension</i> , 1999 , 33, 408-13	8.5	87
550	Epoxyeicosatrienoic acid agonist regulates human mesenchymal stem cell-derived adipocytes through activation of HO-1-pAKT signaling and a decrease in PPAR α . <i>Stem Cells and Development</i> , 2010 , 19, 1863-73	4.4	86
549	QseC inhibitors as an antivirulence approach for Gram-negative pathogens. <i>MBio</i> , 2014 , 5, e02165	7.8	85

548	Rapid and selective detection of fatty acylated proteins using omega-alkynyl-fatty acids and click chemistry. <i>Journal of Lipid Research</i> , 2010 , 51, 1566-80	6.3	85
547	Peroxisomal proliferator-activated receptor-alpha-dependent inhibition of endothelial cell proliferation and tumorigenesis. <i>Journal of Biological Chemistry</i> , 2007 , 282, 17685-95	5.4	84
546	Arachidonic acid inhibits epithelial Na channel via cytochrome P450 (CYP) epoxygenase-dependent metabolic pathways. <i>Journal of General Physiology</i> , 2004 , 124, 719-27	3.4	84
545	Biochemical and molecular properties of the cytochrome P450 arachidonic acid monooxygenases. <i>Prostaglandins and Other Lipid Mediators</i> , 2002 , 68-69, 325-44	3.7	84
544	Bradykinin-induced, endothelium-dependent responses in porcine coronary arteries: involvement of potassium channel activation and epoxyeicosatrienoic acids. <i>British Journal of Pharmacology</i> , 2005 , 145, 775-84	8.6	82
543	Regulation of AP-3 function by inositides. Identification of phosphatidylinositol 3,4,5-trisphosphate as a potent ligand. <i>Journal of Biological Chemistry</i> , 1997 , 272, 6393-8	5.4	81
542	Inhibitors of cytochrome P450 4A suppress angiogenic responses. <i>American Journal of Pathology</i> , 2005 , 166, 615-24	5.8	81
541	Cytochrome P450 and cyclooxygenase metabolites contribute to the endothelin-1 afferent arteriolar vasoconstrictor and calcium responses. <i>Hypertension</i> , 2000 , 35, 307-12	8.5	81
540	Renal vasodilator activity of 5,6-epoxyeicosatrienoic acid depends upon conversion by cyclooxygenase and release of prostaglandins. <i>Journal of Biological Chemistry</i> , 1993 , 268, 12260-12266	5.4	81
539	Cytochrome P-450 arachidonate oxygenase. <i>Methods in Enzymology</i> , 1990 , 187, 385-94	1.7	79
538	20-HETE Signals Through G-Protein-Coupled Receptor GPR75 (G) to Affect Vascular Function and Trigger Hypertension. <i>Circulation Research</i> , 2017 , 120, 1776-1788	15.7	77
537	Characterization of epoxyeicosatrienoic acid binding site in U937 membranes using a novel radiolabeled agonist, 20-125i-14,15-epoxyeicosa-8(Z)-enoic acid. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 324, 1019-27	4.7	77
536	19(S)-hydroxyeicosatetraenoic acid is a potent stimulator of renal Na ⁺ -K ⁺ -ATPase. <i>Biochemical and Biophysical Research Communications</i> , 1988 , 152, 1269-74	3.4	77
535	CYP3A4 mediates growth of estrogen receptor-positive breast cancer cells in part by inducing nuclear translocation of phospho-Stat3 through biosynthesis of (E)-14,15-epoxyeicosatrienoic acid (EET). <i>Journal of Biological Chemistry</i> , 2011 , 286, 17543-59	5.4	76
534	Antinociception produced by 14,15-epoxyeicosatrienoic acid is mediated by the activation of beta-endorphin and met-enkephalin in the rat ventrolateral periaqueductal gray. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2008 , 326, 614-22	4.7	76
533	Role of EDHF in type 2 diabetes-induced endothelial dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H1982-8	5.2	75
532	Effects of the selective EET antagonist, 14,15-EEZE, on cardioprotection produced by exogenous or endogenous EETs in the canine heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 294, H2838-44	5.2	74
531	Identification of the 11,14,15- and 11,12, 15-trihydroxyeicosatrienoic acids as endothelium-derived relaxing factors of rabbit aorta. <i>Journal of Biological Chemistry</i> , 1998 , 273, 30879-87	5.4	73

530	Epoxyeicosatrienoic acids in cardioprotection: ischemic versus reperfusion injury. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H537-42	5.2	72
529	Molecular cloning, expression, and enzymatic characterization of the rat kidney cytochrome P-450 arachidonic acid epoxygenase. <i>Journal of Biological Chemistry</i> , 1993 , 268, 13565-13570	5.4	72
528	20-hydroxy-5,8,11,14-eicosatetraenoic acid mediates endothelial dysfunction via I κ B kinase-dependent endothelial nitric-oxide synthase uncoupling. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2010 , 332, 57-65	4.7	71
527	Carbon monoxide and biliverdin prevent endothelial cell sloughing in rats with type I diabetes. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 2198-205	7.8	71
526	PGC-1 alpha regulates HO-1 expression, mitochondrial dynamics and biogenesis: Role of epoxyeicosatrienoic acid. <i>Prostaglandins and Other Lipid Mediators</i> , 2016 , 125, 8-18	3.7	70
525	Epoxyeicosatrienoic acids limit damage to mitochondrial function following stress in cardiac cells. <i>Journal of Molecular and Cellular Cardiology</i> , 2009 , 46, 867-75	5.8	70
524	Increasing or stabilizing renal epoxyeicosatrienoic acid production attenuates abnormal renal function and hypertension in obese rats. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 293, F342-9	4.3	70
523	Mechanism and signal transduction of 14 (R), 15 (S)-epoxyeicosatrienoic acid (14,15-EET) binding in guinea pig monocytes. <i>Prostaglandins and Other Lipid Mediators</i> , 2000 , 62, 321-33	3.7	70
522	Contribution of cytochrome P450 epoxygenase and hydroxylase pathways to afferent arteriolar autoregulatory responsiveness. <i>British Journal of Pharmacology</i> , 1999 , 127, 1399-405	8.6	70
521	Novel glutathione conjugates formed from epoxyeicosatrienoic acids (EETs). <i>Archives of Biochemistry and Biophysics</i> , 1985 , 242, 225-30	4.1	70
520	Cytochrome P450 δ hydroxylase promotes angiogenesis and metastasis by upregulation of VEGF and MMP-9 in non-small cell lung cancer. <i>Cancer Chemotherapy and Pharmacology</i> , 2011 , 68, 619-29	3.5	69
519	Interaction of mechanisms involving epoxyeicosatrienoic acids, adenosine receptors, and metabotropic glutamate receptors in neurovascular coupling in rat whisker barrel cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 111-25	7.3	69
518	Role of SK(Ca) and IK(Ca) in endothelium-dependent hyperpolarizations of the guinea-pig isolated carotid artery. <i>British Journal of Pharmacology</i> , 2005 , 144, 477-85	8.6	69
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