

John R Falck

List of Publications by Year in Descending Order

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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	Macrophage 12(S)-HETE Enhances Angiotensin II-Induced Contraction by a BLT2 (Leukotriene B Type-2 Receptor) and TP (Thromboxane Receptor)-Mediated Mechanism in Murine Arteries. <i>Hypertension</i> , 2022 , 79, 104-114	8.5	1
654	.. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2022 ,	4.7	1
653	Activation of GPR75 Signaling Pathway Contributes to the Effect of a 20-HETE Mimetic, 5,14-HEDGE, to Prevent Hypotensive and Tachycardic Responses to Lipopolysaccharide in a Rat Model of Septic Shock.. <i>Journal of Cardiovascular Pharmacology</i> , 2022 ,	3.1	2
652	Epoxyeicosatrienoic Acid Analog and 20-HETE Antagonist Combination Prevent Hypertension Development in Spontaneously Hypertensive Rats.. <i>Frontiers in Pharmacology</i> , 2021 , 12, 798642	5.6	1
651	20-HETE Participates in Intracerebral Hemorrhage-Induced Acute Injury by Promoting Cell Ferroptosis. <i>Frontiers in Neurology</i> , 2021 , 12, 763419	4.1	0
650	EET Analog Treatment Improves Insulin Signaling in a Genetic Mouse Model of Insulin Resistance. <i>Diabetes</i> , 2021 ,	0.9	2
649	Kidney-Targeted Epoxyeicosatrienoic Acid Analog, EET-F01, Reduces Inflammation, Oxidative Stress, and Cisplatin-Induced Nephrotoxicity. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
648	Uncovering the signalling, structure and function of the 20-HETE-GPR75 pairing: Identifying the chemokine CCL5 as a negative regulator of GPR75. <i>British Journal of Pharmacology</i> , 2021 , 178, 3813-3828	8.6	8
647	20-HETE interferes with insulin signaling and contributes to obesity-driven insulin resistance. <i>Prostaglandins and Other Lipid Mediators</i> , 2021 , 152, 106485	3.7	6
646	Intramolecular N-Me and N-H aminoetherification for the synthesis of -unprotected 3-amino-O-heterocycles. <i>Organic and Biomolecular Chemistry</i> , 2021 , 19, 557-560	3.9	3
645	Early Renal Vasodilator and Hypotensive Action of Epoxyeicosatrienoic Acid Analog (EET-A) and 20-HETE Receptor Blocker (AAA) in Spontaneously Hypertensive Rats. <i>Frontiers in Physiology</i> , 2021 , 12, 622882	4.6	3
644	Novel Synthetic Analogues of 19(S/R)-Hydroxyeicosatetraenoic Acid Exhibit Noncompetitive Inhibitory Effect on the Activity of Cytochrome P450 1A1 and 1B1. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2021 , 46, 613-624	2.7	2
643	Effects of Epoxyeicosatrienoic Acid-Enhancing Therapy on the Course of Congestive Heart Failure in Angiotensin II-Dependent Rat Hypertension: From mRNA Analysis towards Functional In Vivo Evaluation. <i>Biomedicines</i> , 2021 , 9,	4.8	1
642	Picolinate-Directed Arene -C-H Amination via FeCl Catalysis. <i>Journal of the American Chemical Society</i> , 2020 , 142, 5266-5271	16.4	20
641	Acute hypotensive effect of EET-A, a stable analog of epoxyeicosatrienoic acid (EET), in spontaneously hypertensive rats: dependence on endogenous EETs activity. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
640	Identifying the 20-HETE Binding Site on the 20-HETE Receptor (GPR75). <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	
639	Pharmacological blockade of the 20-HETE receptor (GPR75) lowers blood pressure and alters vascular remodeling in mice with vascular smooth muscle-specific overexpression of CYP-4a12-20-HETE synthase. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	

638	GPR75 receptor mediates 20-HETE-signaling and metastatic features of androgen-insensitive prostate cancer cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 1585-1593	5.73	8
637	A Synthetic Epoxydocosapentaenoic Acid Analogue Ameliorates Cardiac Ischemia/Reperfusion Injury: The Involvement of the Sirtuin 3-NLRP3 Pathway. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
636	Combined treatment with epoxyeicosatrienoic acid analog and 20-hydroxyeicosatetraenoic acid antagonist provides substantial hypotensive effect in spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2020 , 38, 1802-1810	1.9	6
635	19-Hydroxyeicosatetraenoic acid analogs: Antagonism of 20-hydroxyeicosatetraenoic acid-induced vascular sensitization and hypertension. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019 , 29, 1266-1270	2.9	4
634	Epoxyeicosatrienoic Acid Analog EET-A Blunts Development of Lupus Nephritis in Mice. <i>Frontiers in Pharmacology</i> , 2019 , 10, 512	5.6	9
633	A synthetic epoxyeicosatrienoic acid analogue prevents the initiation of ischemic acute kidney injury. <i>Acta Physiologica</i> , 2019 , 227, e13297	5.6	11
632	Epoxyeicosatrienoic intervention improves NAFLD in leptin receptor deficient mice by an increase in PGC1 β -HO-1-PGC1 β -mitochondrial signaling. <i>Experimental Cell Research</i> , 2019 , 380, 180-187	4.2	28
631	Epoxyeicosatrienoic Acid-Based Therapy Attenuates the Progression of Postischemic Heart Failure in Normotensive Sprague-Dawley but Not in Hypertensive Transgenic Rats. <i>Frontiers in Pharmacology</i> , 2019 , 10, 159	5.6	10
630	Epoxyeicosatrienoic acid analog EET-B attenuates post-myocardial infarction remodeling in spontaneously hypertensive rats. <i>Clinical Science</i> , 2019 , 133, 939-951	6.5	12
629	CYP4A/20-HETE regulates ischemia-induced neovascularization via its actions on endothelial progenitor and preexisting endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 316, H1468-H1479	5.2	11
628	Cu(OTf)-catalyzed Beckmann Rearrangement of Ketones Using Hydroxylaminesulfonic Acid (HOSA). <i>Synthesis</i> , 2019 , 51, 3709-3714	2.9	6
627	Eicosanoids derived from cytochrome P450 pathway of arachidonic acid and inflammatory shock. <i>Prostaglandins and Other Lipid Mediators</i> , 2019 , 145, 106377	3.7	8
626	Development of Robust 17(),18()-Epoxyeicosatetraenoic Acid (17,18-EEQ) Analogues as Potential Clinical Antiarrhythmic Agents. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 10124-10143	8.3	8
625	The CYP4A/20-HETE Axis Regulates Ischemia-induced Neovascularization via Its Actions on Endothelial Progenitor and Preexisting Endothelial Cells. <i>FASEB Journal</i> , 2019 , 33, 677.2	0.9	
624	Modeling the 20-HETE Binding Site on GPR75. <i>FASEB Journal</i> , 2019 , 33, 719.12	0.9	
623	20-HETE Antagonism Reduces Left Ventricular Remodeling Post-Myocardial Infarction. <i>FASEB Journal</i> , 2019 , 33, 817.9	0.9	
622	20-HETE Interferes with Insulin Signaling Through GPR75. <i>FASEB Journal</i> , 2019 , 33, 514.8	0.9	0
621	Cu(II)-Mediated N-H and N-Alkyl Aryl Amination and Olefin Aziridination. <i>Organic Letters</i> , 2019 , 21, 1926-1929	6.929	20

620	20-HETE synthesis inhibition promotes cerebral protection after intracerebral hemorrhage without inhibiting angiogenesis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 1531-1543	7.3	30
619	Deactivation of 12(S)-HETE through (E1)-hydroxylation and Eoxidation in alternatively activated macrophages. <i>Journal of Lipid Research</i> , 2018 , 59, 615-624	6.3	5
618	Elevated 20-HETE in metabolic syndrome regulates arterial stiffness and systolic hypertension via MMP12 activation. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 117, 88-99	5.8	16
617	Stereospecific Stille Cross-Couplings Using Mn(II)Cl. <i>Journal of Organic Chemistry</i> , 2018 , 83, 1241-1251	4.2	11
616	Effect of Angiotensin II and ACTH on Adrenal Blood Flow in the Male Rat Adrenal Gland In Vivo. <i>Endocrinology</i> , 2018 , 159, 217-226	4.8	4
615	Two pharmacological epoxyeicosatrienoic acid-enhancing therapies are effectively antihypertensive and reduce the severity of ischemic arrhythmias in rats with angiotensin II-dependent hypertension. <i>Journal of Hypertension</i> , 2018 , 36, 1326-1341	1.9	19
614	Infarct size-limiting effect of epoxyeicosatrienoic acid analog EET-B is mediated by hypoxia-inducible factor-1E via downregulation of prolyl hydroxylase 3. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 315, H1148-H1158	5.2	12
613	The contribution of TRPV1 channel to 20-HETE-Aggravated ischemic neuronal injury. <i>Prostaglandins and Other Lipid Mediators</i> , 2018 , 137, 63-68	3.7	6
612	The Cytochrome P450 Slow Metabolizers CYP2C9*2 and CYP2C9*3 Directly Regulate Tumorigenesis via Reduced Epoxyeicosatrienoic Acid Production. <i>Cancer Research</i> , 2018 , 78, 4865-4877	10.1	20
611	High-fat diet-induced obesity and insulin resistance in CYP4a14 mice is mediated by 20-HETE. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 315, R934-R944	3.2	21
610	GPR40 is a low-affinity epoxyeicosatrienoic acid receptor in vascular cells. <i>Journal of Biological Chemistry</i> , 2018 , 293, 10675-10691	5.4	43
609	20-Hydroxyeicosatetraenoic acid antagonist attenuates the development of malignant hypertension and reverses it once established: a study in Cyp1a1-Ren-2 transgenic rats. <i>Bioscience Reports</i> , 2018 , 38,	4.1	8
608	The arachidonic acid monooxygenase: from biochemical curiosity to physiological/pathophysiological significance. <i>Journal of Lipid Research</i> , 2018 , 59, 2047-2062	6.3	11
607	Upregulation of 20-HETE Synthetic Cytochrome P450 Isoforms by Oxygen-Glucose Deprivation in Cortical Neurons. <i>Cellular and Molecular Neurobiology</i> , 2017 , 37, 1279-1286	4.6	11
606	11,12 -Epoxyeicosatrienoic acid (11,12 EET) reduces excitability and excitatory transmission in the hippocampus. <i>Neuropharmacology</i> , 2017 , 123, 310-321	5.5	16
605	EET intervention on Wnt1, NOV, and HO-1 signaling prevents obesity-induced cardiomyopathy in obese mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 313, H368-H380	5.2	48
604	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
603	Elevated 20-HETE impairs coronary collateral growth in metabolic syndrome via endothelial dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 312, H528-H540	5.2	27

602	Orally Active Epoxyeicosatrienoic Acid Analogs. <i>Journal of Cardiovascular Pharmacology</i> , 2017 , 70, 211-224	3.4	27
601	Vascular Endothelial Over-Expression of Human Soluble Epoxide Hydrolase (Tie2-sEH Tr) Attenuates Coronary Reactive Hyperemia in Mice: Role of Oxylipins and β -Hydroxylases. <i>PLoS ONE</i> , 2017 , 12, e0169584	3.7	7
600	Cytochrome P450 monooxygenase lipid metabolites are significant second messengers in the resolution of choroidal neovascularization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E7545-E7553	11.5	25
599	Reduced coronary reactive hyperemia in mice was reversed by the soluble epoxide hydrolase inhibitor (t-AUCB): Role of adenosine A receptor and plasma oxylipins. <i>Prostaglandins and Other Lipid Mediators</i> , 2017 , 131, 83-95	3.7	6
598	Heme Binding Biguanides Target Cytochrome P450-Dependent Cancer Cell Mitochondria. <i>Cell Chemical Biology</i> , 2017 , 24, 1259-1275.e6	8.2	15
597	The Blood Pressure-Lowering Effect of 20-HETE Blockade in Mice Is Associated with Natriuresis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017 , 363, 412-418	4.7	8
596	Catalyst-Controlled Diastereoselective Synthesis of Cyclic Amines via C-H Functionalization. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18288-18294	16.4	29
595	Epoxyeicosatrienoic Acid Analog Decreases Renal Fibrosis by Reducing Epithelial-to-Mesenchymal Transition. <i>Frontiers in Pharmacology</i> , 2017 , 8, 406	5.6	22
594	Vascular endothelial overexpression of human CYP2J2 (Tie2-CYP2J2 Tr) modulates cardiac oxylipin profiles and enhances coronary reactive hyperemia in mice. <i>PLoS ONE</i> , 2017 , 12, e0174137	3.7	9
593	Role of vascular reactive oxygen species in regulating cytochrome P450-4A enzyme expression in Dahl salt-sensitive rats. <i>Microcirculation</i> , 2016 , 23, 540-548	2.9	7
592	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
591	Androgen-sensitive hypertension associated with soluble guanylate cyclase- β 1 deficiency is mediated by 20-HETE. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H1790-800	5.2	20
590	Epoxyeicosatrienoic acid analog attenuates the development of malignant hypertension, but does not reverse it once established: a study in Cyp1a1-Ren-2 transgenic rats. <i>Journal of Hypertension</i> , 2016 , 34, 2008-25	1.9	17
589	20-Hydroxyeicosatetraenoic Acid (HETE)-dependent Hypertension in Human Cytochrome P450 (CYP) 4A11 Transgenic Mice: NORMALIZATION OF BLOOD PRESSURE BY SODIUM RESTRICTION, HYDROCHLOROTHIAZIDE, OR BLOCKADE OF THE TYPE 1 ANGIOTENSIN II RECEPTOR. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 356, 525-33	5.4	23
588	Contribution of PPAR β / δ , Δ 1AP-1, importin- β 3, and RXR β to the protective effect of 5,14-HEDGE, a 20-HETE mimetic, against hypotension, tachycardia, and inflammation in a rat model of septic shock. <i>Inflammation Research</i> , 2016 , 65, 367-87	7.2	11
587	20-HETE Activates the Transcription of Angiotensin-Converting Enzyme via Nuclear Factor- κ B Translocation and Promoter Binding. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2016 , 356, 525-33	4.7	33
586	Novel Roles of Epoxyeicosanoids in Regulating Cardiac Mitochondria. <i>PLoS ONE</i> , 2016 , 11, e0160380	3.7	20
585	Downregulation of PGC-1 Prevents the Beneficial Effect of EET-Heme Oxygenase-1 on Mitochondrial Integrity and Associated Metabolic Function in Obese Mice. <i>Journal of Nutrition and Metabolism</i> , 2016 , 2016, 9039754	2.7	28

584	The epoxyeicosatrienoic acid analog PVPA ameliorates cyclosporine-induced hypertension and renal injury in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, F576-85	4.3	14
583	Interlobular Arteries From 2-Kidney, 1-Clip Goldblatt Hypertensive Rats Exhibit Impaired Vasodilator Response to Epoxyeicosatrienoic Acids. <i>American Journal of the Medical Sciences</i> , 2016 , 351, 513-9	2.2	7
582	Involvement of gap junctions between smooth muscle cells in sustained hypoxic pulmonary vasoconstriction development: a potential role for 15-HETE and 20-HETE. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 310, L772-83	5.8	8
581	20-HETE contributes to ischemia-induced angiogenesis. <i>Vascular Pharmacology</i> , 2016 , 83, 57-65	5.9	19
580	Dirhodium-catalyzed C-H arene amination using hydroxylamines. <i>Science</i> , 2016 , 353, 1144-7	33.3	156
579	Epoxyeicosatrienoic acid analogue mitigates kidney injury in a rat model of radiation nephropathy. <i>Clinical Science</i> , 2016 , 130, 587-99	6.5	20
578	Agonists of epoxyeicosatrienoic acids reduce infarct size and ameliorate cardiac dysfunction via activation of HO-1 and Wnt1 canonical pathway. <i>Prostaglandins and Other Lipid Mediators</i> , 2015 , 116-117, 76-86	3.7	34
577	Hyperbaric oxygenation modulates vascular reactivity to angiotensin-(1-7) in diabetic rats: potential role of epoxyeicosatrienoic acids. <i>Diabetes and Vascular Disease Research</i> , 2015 , 12, 33-45	3.3	17
576	Role of CYP eicosanoids in the regulation of pharyngeal pumping and food uptake in <i>Caenorhabditis elegans</i> . <i>Journal of Lipid Research</i> , 2015 , 56, 2110-23	6.3	8
575	Orally active epoxyeicosatrienoic acid analog does not exhibit antihypertensive and reno- or cardioprotective actions in two-kidney, one-clip Goldblatt hypertensive rats. <i>Vascular Pharmacology</i> , 2015 , 73, 45-56	5.9	11
574	An efficient iron catalyzed regioselective acylative cleavage of ethers: scope and mechanism. <i>Tetrahedron Letters</i> , 2015 , 56, 7089-7093	2	4
573	Arachidonic acid monooxygenase: Genetic and biochemical approaches to physiological/pathophysiological relevance. <i>Prostaglandins and Other Lipid Mediators</i> , 2015 , 120, 40-9	3.7	32
572	Midkine Regulates BP through Cytochrome P450-Derived Eicosanoids. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 1806-15	12.7	11
571	Studies towards asymmetric synthesis of 4(S)-11-dihydrodocosahexaenoic acid (diHDHA) featuring cross-coupling of chiral stannane under mild conditions. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 1624-8	3.9	5
570	Angiotensin II receptor blockade or deletion of vascular endothelial ACE does not prevent vascular dysfunction and remodeling in 20-HETE-dependent hypertension. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R71-8	3.2	23
569	Hypertension is a major contributor to 20-hydroxyeicosatetraenoic acid-mediated kidney injury in diabetic nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 597-610	12.7	35
568	Deficiency in the Formation of 20-Hydroxyeicosatetraenoic Acid Enhances Renal Ischemia-Reperfusion Injury. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 2460-9	12.7	19
567	Androgen-induced hypertension in angiotensinogen deficient mice: role of 20-HETE and EETS. <i>Prostaglandins and Other Lipid Mediators</i> , 2015 , 116-117, 124-30	3.7	19

566	Direct stereospecific synthesis of unprotected N-H and N-Me aziridines from olefins. <i>Science</i> , 2014 , 343, 61-5	33.3	190
565	Room temperature, open-flask C ₆₀ arylation of electron-deficient heteroarenes with triazenes: rapid synthesis of heterobiaryls. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 1029-1034	5.2	37
564	14,15-Epoxyeicosa-5,8,11-trienoic Acid (14,15-EET) surrogates: carboxylate modifications. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 6965-72	8.3	24
563	Transition-Metal-Free α -Functionalization of Arylboronic Acids and Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 2395-2410	5.6	61
562	Transition Metals Catalyzed Element-Cyano Bonds Activations. <i>Catalysis Reviews - Science and Engineering</i> , 2014 , 56, 288-331	12.6	15
561	Epoxyeicosatrienoic acids pretreatment improves amyloid β -induced mitochondrial dysfunction in cultured rat hippocampal astrocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H475-84	5.2	50
560	Effects of 5,14-HEDGE, a 20-HETE mimetic, on lipopolysaccharide-induced changes in MyD88/TAK1/IKK α /I κ B/NF- κ B pathway and circulating miR-150, miR-223, and miR-297 levels in a rat model of septic shock. <i>Inflammation Research</i> , 2014 , 63, 741-56	7.2	23
559	20-HETE regulates the angiogenic functions of human endothelial progenitor cells and contributes to angiogenesis in vivo. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014 , 348, 442-51	4.7	50
558	Ruthenium catalyzed oxidative annulation with alkynes via cascade C ₆₀ /N ₆₀ bond functionalizations. <i>Journal of Organometallic Chemistry</i> , 2014 , 759, 33-36	2.3	17
557	QseC inhibitors as an antivirulence approach for Gram-negative pathogens. <i>MBio</i> , 2014 , 5, e02165	7.8	85
556	Enantiomeric Separations of N ₆₀ /N ₆₀ Aziridines Utilizing GC and HPLC. <i>Chromatographia</i> , 2014 , 77, 1607-1612	2.1	3
555	The Cyp2c44 epoxygenase regulates epithelial sodium channel activity and the blood pressure responses to increased dietary salt. <i>Journal of Biological Chemistry</i> , 2014 , 289, 4377-86	5.4	45
554	CYP-13A12 of the nematode <i>Caenorhabditis elegans</i> is a PUFA-epoxygenase involved in behavioural response to reoxygenation. <i>Biochemical Journal</i> , 2014 , 464, 61-71	3.8	6
553	PPAR β signaling is required for mediating EETs protective effects in neonatal cardiomyocytes exposed to LPS. <i>Frontiers in Pharmacology</i> , 2014 , 5, 242	5.6	21
552	Functional characterization of cytochrome P450-derived epoxyeicosatrienoic acids in adipogenesis and obesity. <i>Journal of Lipid Research</i> , 2014 , 55, 2124-36	6.3	56
551	Pharmacological manipulation of arachidonic acid-epoxygenase results in divergent effects on renal damage. <i>Frontiers in Pharmacology</i> , 2014 , 5, 187	5.6	5
550	Epoxyeicosatrienoic acid analog attenuates angiotensin II hypertension and kidney injury. <i>Frontiers in Pharmacology</i> , 2014 , 5, 216	5.6	27
549	Role of 20-HETE in the impaired myogenic and TGF responses of the Af-Art of Dahl salt-sensitive rats. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, F509-15	4.3	25

548	PPAR β activation can help prevent and treat non-small cell lung cancer. <i>Cancer Research</i> , 2014 , 74, 621-310.1	10.1	46
547	High salt diet exacerbates vascular contraction in the absence of adenosine A β receptor. <i>Journal of Cardiovascular Pharmacology</i> , 2014 , 63, 385-94	3.1	14
546	The biological actions of 11,12-epoxyeicosatrienoic acid in endothelial cells are specific to the R/S-enantiomer and require the G(s) protein. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014 , 350, 14-21	4.7	42
545	Epoxyeicosatrienoic acid analogue lowers blood pressure through vasodilation and sodium channel inhibition. <i>Clinical Science</i> , 2014 , 127, 463-74	6.5	52
544	A novel activity of microsomal epoxide hydrolase: metabolism of the endocannabinoid 2-arachidonoylglycerol. <i>Journal of Lipid Research</i> , 2014 , 55, 2093-102	6.3	10
543	Vascular characterization of mice with endothelial expression of cytochrome P450 4F2. <i>FASEB Journal</i> , 2014 , 28, 2915-31	0.9	27
542	Factors mediating remote preconditioning of trauma in the rat heart: central role of the cytochrome p450 epoxygenase pathway in mediating infarct size reduction. <i>Journal of Cardiovascular Pharmacology and Therapeutics</i> , 2013 , 18, 38-45	2.6	19
541	Rhodium(I)-catalyzed N-CN bond cleavage: intramolecular β -cyanation of styrenes. <i>Chemical Communications</i> , 2013 , 49, 6516-8	5.8	29
540	Contribution of iNOS/sGC/PKG pathway, COX-2, CYP4A1, and gp91(phox) to the protective effect of 5,14-HEDGE, a 20-HETE mimetic, against vasodilation, hypotension, tachycardia, and inflammation in a rat model of septic shock. <i>Nitric Oxide - Biology and Chemistry</i> , 2013 , 33, 18-41	5	43
539	Endogenously produced 20-HETE modulates myogenic and TGF response in microperfused afferent arterioles. <i>Prostaglandins and Other Lipid Mediators</i> , 2013 , 102-103, 42-8	3.7	26
538	Isoliquiritigenin induces growth inhibition and apoptosis through downregulating arachidonic acid metabolic network and the deactivation of PI3K/Akt in human breast cancer. <i>Toxicology and Applied Pharmacology</i> , 2013 , 272, 37-48	4.6	62
537	NS-398 reverses hypotension in endotoxemic rats: contribution of eicosanoids, NO, and peroxynitrite. <i>Prostaglandins and Other Lipid Mediators</i> , 2013 , 104-105, 93-108	3.7	15
536	5,14-HEDGE, a 20-HETE mimetic, reverses hypotension and improves survival in a rodent model of septic shock: contribution of soluble epoxide hydrolase, CYP2C23, MEK1/ERK1/2/IKK β /NF- κ B pathway, and proinflammatory cytokine formation. <i>Prostaglandins and Other Lipid Mediators</i> , 2013 , 102-103, 31-41	3.7	23
535	Novel orally active epoxyeicosatrienoic acid (EET) analogs attenuate cisplatin nephrotoxicity. <i>FASEB Journal</i> , 2013 , 27, 2946-56	0.9	59
534	Effect of human 15-lipoxygenase-1 metabolites on vascular function in mouse mesenteric arteries and hearts. <i>Prostaglandins and Other Lipid Mediators</i> , 2013 , 106, 8-15	3.7	7
533	Cyclooxygenase-2 dependent metabolism of 20-HETE increases adiposity and adipocyte enlargement in mesenchymal stem cell-derived adipocytes. <i>Journal of Lipid Research</i> , 2013 , 54, 786-793	6.3	42
532	20-HETE induces remodeling of renal resistance arteries independent of blood pressure elevation in hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 305, F753-63	4.3	22
531	Adenosine A $2A$ receptor modulates vascular response in soluble epoxide hydrolase-null mice through CYP-epoxygenases and PPAR α . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R23-32	3.2	18

530	Introgression of Brown Norway CYP4A genes on to the Dahl salt-sensitive background restores vascular function in SS-5(BN) consomic rats. <i>Clinical Science</i> , 2013 , 124, 333-42	6.5	10
529	Androgen-sensitive hypertension associates with upregulated vascular CYP4A12-20-HETE synthase. <i>Journal of the American Society of Nephrology: JASN</i> , 2013 , 24, 1288-96	12.7	44
528	The acyl-homoserine lactone synthase YenI from <i>Yersinia enterocolitica</i> modulates virulence gene expression in enterohemorrhagic <i>Escherichia coli</i> O157:H7. <i>Infection and Immunity</i> , 2013 , 81, 4192-9	3.7	7
527	Orally active epoxyeicosatrienoic acid analog attenuates kidney injury in hypertensive Dahl salt-sensitive rat. <i>Hypertension</i> , 2013 , 62, 905-13	8.5	47
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