

Fan Fan

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

2,972
citations

159585

30
h-index

223800

46
g-index

123
all docs

123
docs citations

123
times ranked

3441
citing authors

#	ARTICLE	IF	CITATIONS
1	Hippocampus is more susceptible to hypoxic injury: has the Rosetta Stone of regional variation in neurovascular coupling been deciphered?. <i>GeroScience</i> , 2022, 44, 127-130.	4.6	25
2	Traumatic brain injury induced by exposure to blast overpressure via ear canal. <i>Neural Regeneration Research</i> , 2022, 17, 115.	3.0	2
3	The adducin saga: pleiotropic genomic targets for precision medicine in human hypertension—vascular, renal, and cognitive diseases. <i>Physiological Genomics</i> , 2022, 54, 58-70.	2.3	5
4	Luseogliflozin, a sodium-glucose cotransporter-2 inhibitor, reverses cerebrovascular dysfunction and cognitive impairments in 18-mo-old diabetic animals. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H246-H259.	3.2	12
5	Contribution of cerebral microvascular mechanisms to age-related cognitive impairment and dementia. <i>Physiology International</i> , 2022, 109, 20-30.	1.6	10
6	Status of higher TGF- β 1 and TGF- β 2 levels in the aqueous humour of patients with diabetes and cataracts. <i>BMC Ophthalmology</i> , 2022, 22, 156.	1.4	8
7	Targeting intrinsically disordered regions facilitates discovery of Cav3.2 inhibitory peptides for AAV-mediated peripheral analgesia. <i>Pain</i> , 2022, Publish Ahead of Print, .	4.2	2
8	Association of the IRAK4 rs4251545 genetic polymorphism with severity of enterovirus-71 infection in Chinese children. <i>Immunity, Inflammation and Disease</i> , 2022, 10, e614.	2.7	5
9	CD44 mediates shear stress mechanotransduction in an in vitro blood-brain barrier model through small GTPases RhoA and Rac1. <i>FASEB Journal</i> , 2022, 36, e22278.	0.5	19
10	The influence of congenital and developmental cataract surgery on the ocular surface in a six-month follow-up prospective clinical study. <i>BMC Ophthalmology</i> , 2022, 22, 218.	1.4	1
11	Contribution of Beta-amyloid Accumulation to Cerebral Hypoperfusion in Alzheimer's Disease. <i>FASEB Journal</i> , 2022, 36, .	0.5	2
12	From 1901 to 2022, how far are we from truly understanding the pathogenesis of age-related dementia?. <i>GeroScience</i> , 2022, 44, 1879-1883.	4.6	22
13	Renoprotective effects of empagliflozin in type 1 and type 2 models of diabetic nephropathy superimposed with hypertension. <i>GeroScience</i> , 2022, 44, 2845-2861.	4.6	7
14	Selective block of sensory neuronal T-type/Cav3.2 activity mitigates neuropathic pain behavior in a rat model of osteoarthritis pain. <i>Arthritis Research and Therapy</i> , 2022, 24, .	3.5	2
15	Reduced pericyte and tight junction coverage in old diabetic rats are associated with hyperglycemia-induced cerebrovascular pericyte dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H549-H562.	3.2	35
16	Role of β -adducin in actin cytoskeleton rearrangements in podocyte pathophysiology. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 320, F97-F113.	2.7	9
17	Exosomal miRNA Analysis of Aqueous Humour of Diabetes and Cataract Patients. <i>Current Eye Research</i> , 2021, 46, 324-332.	1.5	15
18	Knockout of β -Adducin Promotes N ^G -Nitro-L-Arginine-Methyl-Ester-Induced Hypertensive Renal Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021, 377, 189-198.	2.5	6

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19	Novel Mechanistic Insights and Potential Therapeutic Impact of TRPC6 in Neurovascular Coupling and Ischemic Stroke. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2074.	4.1	32
20	Reversal of cerebral hypoperfusion: a novel therapeutic target for the treatment of AD/ADRD?. <i>GeroScience</i> , 2021, 43, 1065-1067.	4.6	14
21	Aging diabetes, deconstructing the cerebrovascular wall. <i>Aging</i> , 2021, 13, 9158-9159.	3.1	11
22	20-HETE-promoted cerebral blood flow autoregulation is associated with enhanced pericyte contractility. <i>Prostaglandins and Other Lipid Mediators</i> , 2021, 154, 106548.	1.9	13
23	Recent Insights Into the Protective Mechanisms of Paeoniflorin in Neurological, Cardiovascular, and Renal Diseases. <i>Journal of Cardiovascular Pharmacology</i> , 2021, 77, 728-734.	1.9	20
24	Vascular contributions to cognitive impairment and dementia: the emerging role of 20-HETE. <i>Clinical Science</i> , 2021, 135, 1929-1944.	4.3	11
25	Mononuclear phagocyte system blockade using extracellular vesicles modified with CD47 on membrane surface for myocardial infarction reperfusion injury treatment. <i>Biomaterials</i> , 2021, 275, 121000.	11.4	74
26	Abstract 35: Gamma Adducin Dysfunction Leads To Cerebrovascular Distention, Blood Brain Barrier Leakage, And Cognitive Deficits In The Fawn-hooded Hypertensive Rats. <i>Hypertension</i> , 2021, 78, .	2.7	4
27	Exosomal miR-29b found in aqueous humour mediates calcium signaling in diabetic patients with cataract. <i>International Journal of Ophthalmology</i> , 2021, 14, 1484-1491.	1.1	8
28	Genetic susceptibility of hypertension-induced kidney disease. <i>Physiological Reports</i> , 2021, 9, e14688.	1.7	15
29	Transcriptomics Analysis of Lens from Patients with Posterior Subcapsular Congenital Cataract. <i>Genes</i> , 2021, 12, 1904.	2.4	4
30	Capillary Stalling: A Mechanism of Decreased Cerebral Blood Flow in AD/ADRD. , 2021, 2, 149-153.		12
31	20-HETE Enzymes and Receptors in the Neurovascular Unit: Implications in Cerebrovascular Disease. <i>Frontiers in Neurology</i> , 2020, 11, 983.	2.4	28
32	Aging exacerbates impairments of cerebral blood flow autoregulation and cognition in diabetic rats. <i>GeroScience</i> , 2020, 42, 1387-1410.	4.6	40
33	Development and Validation of a Prognostic Nomogram to Predict Cancer-Specific Survival in Adult Patients With Pineoblastoma. <i>Frontiers in Oncology</i> , 2020, 10, 1021.	2.8	11
34	Angiotensin II type 1 receptor autoantibody blockade improves cerebral blood flow autoregulation and hypertension in a preclinical model of preeclampsia. <i>Hypertension in Pregnancy</i> , 2020, 39, 451-460.	1.1	7
35	Impaired renal hemodynamics and glomerular hyperfiltration contribute to hypertension-induced renal injury. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F624-F635.	2.7	13
36	The mutation spectrum in familial versus sporadic congenital cataract based on next-generation sequencing. <i>BMC Ophthalmology</i> , 2020, 20, 361.	1.4	17

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37	Effects of an SGLT2 inhibitor on cognition in diabetes involving amelioration of deep cortical cerebral blood flow autoregulation and pericyte function. <i>Alzheimer's and Dementia</i> , 2020, 16, e037056.	0.8	1
38	A Mutation in β -Adducin Impairs Autoregulation of Renal Blood Flow and Promotes the Development of Kidney Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 687-700.	6.1	23
39	Vascular-Cognitive Impairment following High-Thoracic Spinal Cord Injury Is Associated with Structural and Functional Maladaptations in Cerebrovasculature. <i>Journal of Neurotrauma</i> , 2020, 37, 1963-1970.	3.4	11
40	Impact of the Renin-Angiotensin System on the Endothelium in Vascular Dementia: Unresolved Issues and Future Perspectives. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4268.	4.1	16
41	Sex differences in the structure and function of rat middle cerebral arteries. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H1219-H1232.	3.2	30
42	Accelerated cerebral vascular injury in diabetes is associated with vascular smooth muscle cell dysfunction. <i>GeroScience</i> , 2020, 42, 547-561.	4.6	41
43	Influence of dual-specificity protein phosphatase 5 on mechanical properties of rat cerebral and renal arterioles. <i>Physiological Reports</i> , 2020, 8, e14345.	1.7	20
44	Abstract WP498: Impaired Pericyte Constriction and Cerebral Blood Flow Autoregulation in Diabetes. <i>Stroke</i> , 2020, 51, .	2.0	5
45	Duration and magnitude of bidirectional fluctuation in blood pressure: the link between cerebrovascular dysfunction and cognitive impairment following spinal cord injury. <i>Journal of Neurobiology and Physiology</i> , 2020, 2, 15-18.	1.0	1
46	Conflicting Roles of 20-HETE in Hypertension and Stroke. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4500.	4.1	32
47	Knockout of Dual-Specificity Protein Phosphatase 5 Protects Against Hypertension-Induced Renal Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 370, 206-217.	2.5	21
48	Visualization of the intrarenal distribution of capillary blood flow. <i>Physiological Reports</i> , 2019, 7, e14065.	1.7	7
49	The angiotensin II type I receptor contributes to impaired cerebral blood flow autoregulation caused by placental ischemia in pregnant rats. <i>Biology of Sex Differences</i> , 2019, 10, 58.	4.1	14
50	Aldehyde dehydrogenase 2 deficiency promotes atherosclerotic plaque instability through accelerating mitochondrial ROS-mediated vascular smooth muscle cell senescence. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 1782-1792.	3.8	24
51	Increased Renal Expression of Adhesion Molecules and Inflammation in Diabetic Nephropathy. <i>FASEB Journal</i> , 2019, 33, 573.7.	0.5	2
52	Abstract 051: Oral Antihyperglycemic Therapy With a SGLT2 Inhibitor Reverses Cognitive Impairments in Elderly Diabetics. <i>Hypertension</i> , 2019, 74, .	2.7	7
53	Abstract 130: Down Regulation of Gamma-Adducin Diminishes Glomerular Function and Promotes Hypertension Related Chronic Kidney Disease. <i>Hypertension</i> , 2019, 74, .	2.7	2
54	Abstract TP556: Role of Vascular Smooth Muscle Cells in Diabetes-related Vascular Cognitive Impairment. <i>Stroke</i> , 2019, 50, .	2.0	4

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55	Excessive salt consumption increases susceptibility to cerebrovascular dysfunction and cognitive impairments in the elderly of both sexes. <i>FASEB Journal</i> , 2019, 33, 511.7.	0.5	0
56	Hypertension-Induced Renal Injury is Associated with Impaired Glomerular Barrier Function Involving Podocyte Dysfunction. <i>FASEB Journal</i> , 2019, 33, 573.9.	0.5	0
57	Localization of the CYP4A Enzymes that Produce 20-HETE and the 20-HETE Receptor in the Brain. <i>FASEB Journal</i> , 2019, 33, 500.12.	0.5	0
58	Different behavioral and pathological changes between epilepsy-associated depression and primary depression models. <i>Epilepsy and Behavior</i> , 2018, 83, 212-218.	1.7	12
59	Genetic Susceptibility to Hypertension-Induced Renal Injury. <i>Hypertension</i> , 2018, 71, 559-560.	2.7	4
60	Riboflavin attenuates myocardial injury via LSD1-mediated crosstalk between phospholipid metabolism and histone methylation in mice with experimental myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 115, 115-129.	1.9	23
61	Inflammation and renal fibrosis: Recent developments on key signaling molecules as potential therapeutic targets. <i>European Journal of Pharmacology</i> , 2018, 820, 65-76.	3.5	219
62	Therapeutic potential of microRNAs for the treatment of renal fibrosis and CKD. <i>Physiological Genomics</i> , 2018, 50, 20-34.	2.3	74
63	Diffusion-weighted 7.0T Magnetic Resonance Imaging in Assessment of Intervertebral Disc Degeneration in Rats. <i>Chinese Medical Journal</i> , 2018, 131, 63-68.	2.3	9
64	Enhanced renal ischemia-reperfusion injury in aging and diabetes. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1843-F1854.	2.7	22
65	20-HETE. <i>Hypertension</i> , 2018, 72, 12-18.	2.7	50
66	Targeting vascular inflammation in ischemic stroke: Recent developments on novel immunomodulatory approaches. <i>European Journal of Pharmacology</i> , 2018, 833, 531-544.	3.5	96
67	Circular RNA HIPK3 regulates human lens epithelial cells proliferation and apoptosis by targeting the miR-193a/CRYAA axis. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 2277-2285.	2.1	84
68	Oxidative Stress and Renal Fibrosis: Recent Insights for the Development of Novel Therapeutic Strategies. <i>Frontiers in Physiology</i> , 2018, 9, 105.	2.8	102
69	Conflicting roles of 20-HETE in hypertension and renal end organ damage. <i>European Journal of Pharmacology</i> , 2018, 833, 190-200.	3.5	37
70	Down-Regulation of Gamma-Adducin Disrupts the Actin Cytoskeleton in FHH rats and May Contribute to the Development of Hypertension-Induced Renal Injury. <i>FASEB Journal</i> , 2018, 32, 721.10.	0.5	3
71	Role of Cerebral Vascular Dysfunction on Alzheimer-Like Cognitive Deficits in Diabetic T2DN rats. <i>FASEB Journal</i> , 2018, 32, .	0.5	0
72	Down Regulation of Add3 in Astrocytes Disrupts the Actin Cytoskeleton in Association with Decreasing Small Molecule Uptake and May Contribute to Cognitive Deficits in FHH rats. <i>FASEB Journal</i> , 2018, 32, 697.10.	0.5	1

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73	Knockdown of Add3 impairs the myogenic response of renal afferent arterioles and middle cerebral arteries. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F971-F981.	2.7	38
74	Role of the Primary Cilia on the Macula Densa and Thick Ascending Limbs in Regulation of Sodium Excretion and Hemodynamics. <i>Hypertension</i> , 2017, 70, 324-333.	2.7	17
75	GPR75 Identified as the First 20-HETE Receptor. <i>Circulation Research</i> , 2017, 120, 1696-1698.	4.5	23
76	Effect of Cytochrome P450 Metabolites of Arachidonic Acid in Nephrology. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 2845-2855.	6.1	71
77	Bone marrow CD34+ cell subset under induction of moderate stiffness of extracellular matrix after myocardial infarction facilitated endothelial lineage commitment in vitro. <i>Stem Cell Research and Therapy</i> , 2017, 8, 280.	5.5	6
78	Impaired myogenic response of the afferent arteriole contributes to the increased susceptibility to renal disease in Milan normotensive rats. <i>Physiological Reports</i> , 2017, 5, e13089.	1.7	14
79	Menopause and Ischemic Stroke: A Brief Review. <i>MOJ Toxicology</i> , 2017, 3, .	0.2	14
80	MicroRNA-34a promotes mitochondrial dysfunction-induced apoptosis in human lens epithelial cells by targeting Notch2. <i>Oncotarget</i> , 2017, 8, 110209-110220.	1.8	26
81	Impaired Cerebral Autoregulation-A Common Neurovascular Pathway in Diabetes may Play a Critical Role in Diabetes-Related Alzheimer's Disease. <i>Current Research in Diabetes & Obesity Journal</i> , 2017, 2, .	0.0	16
82	Cerebral Autoregulation in Hypertension and Ischemic Stroke: A Mini Review. , 2017, 2017, 21-27.		27
83	Molecular mechanisms and cell signaling of 20-hydroxyeicosatetraenoic acid in vascular pathophysiology. <i>Frontiers in Bioscience - Landmark</i> , 2016, 21, 1427-1463.	3.0	75
84	Long-Term Observation of Triplex Surgery for Cataract after Phakic 6H Implantation for Super High Myopia. <i>Journal of Ophthalmology</i> , 2016, 2016, 1-10.	1.3	2
85	Acute Aortic Dissection Biomarkers Identified Using Isobaric Tags for Relative and Absolute Quantitation. <i>BioMed Research International</i> , 2016, 2016, 1-7.	1.9	16
86	Intrarenal Renin-ANGIOTENSIN System. <i>Hypertension</i> , 2016, 67, 831-833.	2.7	12
87	Mitochondrial aldehyde dehydrogenase 2 deficiency aggravates energy metabolism disturbance and diastolic dysfunction in diabetic mice. <i>Journal of Molecular Medicine</i> , 2016, 94, 1229-1240.	3.9	39
88	Lumican as a novel potential clinical indicator for acute aortic dissection: A comparative study, based on multi-slice computed tomography angiography. <i>Experimental and Therapeutic Medicine</i> , 2016, 11, 923-928.	1.8	12
89	Aldehyde dehydrogenase 2 deficiency blunts compensatory cardiac hypertrophy through modulating Akt phosphorylation early after transverse aorta constriction in mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 1587-1593.	3.8	20
90	N-methyl-d-aspartate receptor NR2B subunit involved in depression-like behaviours in lithium chloride-pilocarpine chronic rat epilepsy model. <i>Epilepsy Research</i> , 2016, 119, 77-85.	1.6	32

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91	Macula Densa Nitric Oxide Synthase 1 ² Protects against Salt-Sensitive Hypertension. Journal of the American Society of Nephrology: JASN, 2016, 27, 2346-2356.	6.1	55
92	Is Beta-Amyloid Accumulation a Cause or Consequence of Alzheimer's Disease?. , 2016, 1, .		13
93	Fluorescence dilution technique for measurement of albumin reflection coefficient in isolated glomeruli. American Journal of Physiology - Renal Physiology, 2015, 309, F1049-F1059.	2.7	15
94	Aberrant Hypermethylation of Aldehyde Dehydrogenase 2 Promoter Upstream Sequence in Rats with Experimental Myocardial Infarction. BioMed Research International, 2015, 2015, 1-13.	1.9	12
95	Deficiency in the Formation of 20-Hydroxyeicosatetraenoic Acid Enhances Renal Ischemia-Reperfusion Injury. Journal of the American Society of Nephrology: JASN, 2015, 26, 2460-2469.	6.1	27
96	Impaired myogenic response and autoregulation of cerebral blood flow is rescued in CYP4A1 transgenic Dahl salt-sensitive rat. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 308, R379-R390.	1.8	55
97	Cytochrome P450 eicosanoids in hypertension and renal disease. Current Opinion in Nephrology and Hypertension, 2015, 24, 37-46.	2.0	108
98	Mitochondrial Aldehyde Dehydrogenase 2 Regulates Revascularization in Chronic Ischemia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2196-2206.	2.4	34
99	Acetaldehyde dehydrogenase 2 (ALDH2) deficiency exacerbates pressure overload-induced cardiac dysfunction by inhibiting Beclin-1 dependent autophagy pathway. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 310-318.	3.8	35
100	Impaired myogenic responses of the Af-ART contributes to chronic kidney disease in Milan Normotensive rats. FASEB Journal, 2015, 29, 811.17.	0.5	0
101	Risk factors for postoperative complications in lensectomy+vitrectomy with or without intraocular lens placement in ectopia lentis associated with Marfan syndrome. British Journal of Ophthalmology, 2014, 98, 1338-1342.	3.9	30
102	Placental ischemia in pregnant rats impairs cerebral blood flow autoregulation and increases blood-brain barrier permeability. Physiological Reports, 2014, 2, e12134.	1.7	75
103	Role of 20-HETE in the impaired myogenic and TGF responses of the Af-Art of Dahl salt-sensitive rats. American Journal of Physiology - Renal Physiology, 2014, 307, F509-F515.	2.7	33
104	Impact of chronic low to moderate alcohol consumption on blood lipid and heart energy profile in acetaldehyde dehydrogenase 2-deficient mice. Acta Pharmacologica Sinica, 2014, 35, 1015-1022.	6.1	18
105	Enhanced large conductance K ⁺ channel activity contributes to the impaired myogenic response in the cerebral vasculature of Fawn Hooded Hypertensive rats. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H989-H1000.	3.2	23
106	Reasons for Early Ocular Hypertension after Uneventful Cataract Surgery. European Journal of Ophthalmology, 2014, 24, 712-717.	1.3	8
107	Zinc-Finger Nuclease Knockout of Dual-Specificity Protein Phosphatase-5 Enhances the Myogenic Response and Autoregulation of Cerebral Blood Flow in FHH.1BN Rats. PLoS ONE, 2014, 9, e112878.	2.5	39
108	The Intermediate Conductance Calcium-activated Potassium Channel KCa3.1 Regulates Vascular Smooth Muscle Cell Proliferation via Controlling Calcium-dependent Signaling. Journal of Biological Chemistry, 2013, 288, 15843-15853.	3.4	74

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109	Genetic basis of the impaired renal myogenic response in FHH rats. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, F565-F577.	2.7	28
110	Heterozygous knockout of transforming growth factor- β 1 protects Dahl S rats against high salt-induced renal injury. <i>Physiological Genomics</i> , 2013, 45, 110-118.	2.3	22
111	20-Hydroxyeicosatetraenoic Acid Inhibition Attenuates Balloon Injury-Induced Neointima Formation and Vascular Remodeling in Rat Carotid Arteries. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 346, 67-74.	2.5	36
112	MicroRNA-34a Promotes Cardiomyocyte Apoptosis Post Myocardial Infarction Through Down-regulating Aldehyde Dehydrogenase 2. <i>Current Pharmaceutical Design</i> , 2013, 19, 4865-4873.	1.9	67
113	Intraganglionic AAV6 Results in Efficient and Long-Term Gene Transfer to Peripheral Sensory Nervous System in Adult Rats. <i>PLoS ONE</i> , 2013, 8, e61266.	2.5	41
114	20-Hydroxyeicosatetraenoic Acid Contributes to the Inhibition of K ⁺ Channel Activity and Vasoconstrictor Response to Angiotensin II in Rat Renal Microvessels. <i>PLoS ONE</i> , 2013, 8, e82482.	2.5	54
115	Increases in renal medullary 20-HETE formation oppose the development of hypertension and improves pressure natriuresis in CYP4A1 transgenic Dahl S rats. <i>FASEB Journal</i> , 2013, 27, 1115.3.	0.5	2
116	Role of 20-HETE in the antihypertensive effect of transfer of chromosome 5 from Brown Norway to Dahl salt-sensitive rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012, 302, R1209-R1218.	1.8	47
117	Upregulation of renal medullary 20-HETE production opposes the development of hypertension in Sleeping Beauty Transposon CYP4A1 transgenic Dahl S rats. <i>FASEB Journal</i> , 2012, 26, .	0.5	2
118	Postmenopausal hypertension: role of 20-HETE. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 300, R1543-R1548.	1.8	36