List of Publications by Year in descending order

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ΕΛΝ ΕΛΝ

#	Article	IF	CITATIONS
1	Inflammation and renal fibrosis: Recent developments on key signaling molecules as potential therapeutic targets. European Journal of Pharmacology, 2018, 820, 65-76.	3.5	219
2	Cytochrome P450 eicosanoids in hypertension and renal disease. Current Opinion in Nephrology and Hypertension, 2015, 24, 37-46.	2.0	108
3	Oxidative Stress and Renal Fibrosis: Recent Insights for the Development of Novel Therapeutic Strategies. Frontiers in Physiology, 2018, 9, 105.	2.8	102
4	Targeting vascular inflammation in ischemic stroke: Recent developments on novel immunomodulatory approaches. European Journal of Pharmacology, 2018, 833, 531-544.	3.5	96
5	Circular RNA HIPK3 regulates human lens epithelial cells proliferation and apoptosis by targeting the miR-193a/CRYAA axis. Biochemical and Biophysical Research Communications, 2018, 503, 2277-2285.	2.1	84
6	Placental ischemia in pregnant rats impairs cerebral blood flow autoregulation and increases blood-brain barrier permeability. Physiological Reports, 2014, 2, e12134.	1.7	75
7	Molecular mechanisms and cell signaling of 20-hydroxyeicosatetraenoic acid in vascular pathophysiology. Frontiers in Bioscience - Landmark, 2016, 21, 1427-1463.	3.0	75
8	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
9	Therapeutic potential of microRNAs for the treatment of renal fibrosis and CKD. Physiological Genomics, 2018, 50, 20-34.	2.3	74
10	Mononuclear phagocyte system blockade using extracellular vesicles modified with CD47 on membrane surface for myocardial infarction reperfusion injury treatment. Biomaterials, 2021, 275, 121000.	11.4	74
11	Effect of Cytochrome P450 Metabolites of Arachidonic Acid in Nephrology. Journal of the American Society of Nephrology: JASN, 2017, 28, 2845-2855.	6.1	71
12	MicroRNA-34a Promotes Cardiomyocyte Apoptosis Post Myocardial Infarction Through Down-regulating Aldehyde Dehydrogenase 2. Current Pharmaceutical Design, 2013, 19, 4865-4873.	1.9	67
13	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
14	Macula Densa Nitric Oxide Synthase 1β Protects against Salt-Sensitive Hypertension. Journal of the American Society of Nephrology: JASN, 2016, 27, 2346-2356.	6.1	55
15	20-Hydroxyeicosatetraenoic Acid Contributes to the Inhibition of K+ Channel Activity and Vasoconstrictor Response to Angiotensin II in Rat Renal Microvessels. PLoS ONE, 2013, 8, e82482.	2.5	54
16	20-HETE. Hypertension, 2018, 72, 12-18.	2.7	50
17	Role of 20-HETE in the antihypertensive effect of transfer of chromosome 5 from Brown Norway to Dahl salt-sensitive rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 302, R1209-R1218.	1.8	47
18	Intraganglionic AAV6 Results in Efficient and Long-Term Gene Transfer to Peripheral Sensory Nervous System in Adult Rats. PLoS ONE, 2013, 8, e61266.	2.5	41

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19	Accelerated cerebral vascular injury in diabetes is associated with vascular smooth muscle cell dysfunction. GeroScience, 2020, 42, 547-561.	4.6	41
20	Aging exacerbates impairments of cerebral blood flow autoregulation and cognition in diabetic rats. GeroScience, 2020, 42, 1387-1410.	4.6	40
21	Mitochondrial aldehyde dehydrogenase 2 deficiency aggravates energy metabolism disturbance and diastolic dysfunction in diabetic mice. Journal of Molecular Medicine, 2016, 94, 1229-1240.	3.9	39
22	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
23	Knockdown of Add3 impairs the myogenic response of renal afferent arterioles and middle cerebral arteries. American Journal of Physiology - Renal Physiology, 2017, 312, F971-F981.	2.7	38
24	Conflicting roles of 20-HETE in hypertension and renal end organ damage. European Journal of Pharmacology, 2018, 833, 190-200.	3.5	37
25	Postmenopausal hypertension: role of 20-HETE. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R1543-R1548.	1.8	36
26	20-Hydroxyeicosatetraenoic Acid Inhibition Attenuates Balloon Injury-Induced Neointima Formation and Vascular Remodeling in Rat Carotid Arteries. Journal of Pharmacology and Experimental Therapeutics, 2013, 346, 67-74.	2.5	36
27	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
28	Reduced pericyte and tight junction coverage in old diabetic rats are associated with hyperglycemia-induced cerebrovascular pericyte dysfunction. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H549-H562.	3.2	35
29	Mitochondrial Aldehyde Dehydrogenase 2 Regulates Revascularization in Chronic Ischemia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 2196-2206.	2.4	34
30	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
31	N-methyl-d-aspartate receptor NR2B subunit involved in depression-like behaviours in lithium chloride-pilocarpine chronic rat epilepsy model. Epilepsy Research, 2016, 119, 77-85.	1.6	32
32	Conflicting Roles of 20-HETE in Hypertension and Stroke. International Journal of Molecular Sciences, 2019, 20, 4500.	4.1	32
33	Novel Mechanistic Insights and Potential Therapeutic Impact of TRPC6 in Neurovascular Coupling and Ischemic Stroke. International Journal of Molecular Sciences, 2021, 22, 2074.	4.1	32
34	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
35	Sex differences in the structure and function of rat middle cerebral arteries. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H1219-H1232.	3.2	30
36	Genetic basis of the impaired renal myogenic response in FHH rats. American Journal of Physiology - Renal Physiology, 2013, 304, F565-F577.	2.7	28

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37	20-HETE Enzymes and Receptors in the Neurovascular Unit: Implications in Cerebrovascular Disease. Frontiers in Neurology, 2020, 11, 983.	2.4	28
38	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
39	Cerebral Autoregulation in Hypertension and Ischemic Stroke: A Mini Review. , 2017, 2017, 21-27.		27
40	MicroRNA-34a promotes mitochondrial dysfunction-induced apoptosis in human lens epithelial cells by targeting Notch2. Oncotarget, 2017, 8, 110209-110220.	1.8	26
41	Hippocampus is more susceptible to hypoxic injury: has the Rosetta Stone of regional variation in neurovascular coupling been deciphered?. GeroScience, 2022, 44, 127-130.	4.6	25
42	Aldehyde dehydrogenase 2 deficiency promotes atherosclerotic plaque instability through accelerating mitochondrial ROS-mediated vascular smooth muscle cell senescence. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1782-1792.	3.8	24
43	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
44	GPR75 Identified as the First 20-HETE Receptor. Circulation Research, 2017, 120, 1696-1698.	4.5	23
45	Riboflavin attenuates myocardial injury via LSD1-mediated crosstalk between phospholipid metabolism and histone methylation in mice with experimental myocardial infarction. Journal of Molecular and Cellular Cardiology, 2018, 115, 115-129.	1.9	23
46	A Mutation in Î ³ -Adducin Impairs Autoregulation of Renal Blood Flow and Promotes the Development of Kidney Disease. Journal of the American Society of Nephrology: JASN, 2020, 31, 687-700.	6.1	23
47	Heterozygous knockout of transforming growth factor-β1 protects Dahl S rats against high salt-induced renal injury. Physiological Genomics, 2013, 45, 110-118.	2.3	22
48	Enhanced renal ischemia-reperfusion injury in aging and diabetes. American Journal of Physiology - Renal Physiology, 2018, 315, F1843-F1854.	2.7	22
49	From 1901 to 2022, how far are we from truly understanding the pathogenesis of age-related dementia?. GeroScience, 2022, 44, 1879-1883.	4.6	22
50	Knockout of Dual-Specificity Protein Phosphatase 5 Protects Against Hypertension-Induced Renal Injury. Journal of Pharmacology and Experimental Therapeutics, 2019, 370, 206-217.	2.5	21
51	Aldehyde dehydrogenase 2 deficiency blunts compensatory cardiac hypertrophy through modulating Akt phosphorylation early after transverse aorta constriction in mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1587-1593.	3.8	20
52	Influence of dualâ€specificity protein phosphatase 5 on mechanical properties of rat cerebral and renal arterioles. Physiological Reports, 2020, 8, e14345.	1.7	20
53	Recent Insights Into the Protective Mechanisms of Paeoniflorin in Neurological, Cardiovascular, and Renal Diseases. Journal of Cardiovascular Pharmacology, 2021, 77, 728-734.	1.9	20
54	CD44 mediates shear stress mechanotransduction in an in vitro bloodâ€brain barrier model through small GTPases RhoA and Rac1. FASEB Journal, 2022, 36, e22278.	0.5	19

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55	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
56	Role of the Primary Cilia on the Macula Densa and Thick Ascending Limbs in Regulation of Sodium Excretion and Hemodynamics. Hypertension, 2017, 70, 324-333.	2.7	17
57	The mutation spectrum in familial versus sporadic congenital cataract based on next-generation sequencing. BMC Ophthalmology, 2020, 20, 361.	1.4	17
58	Acute Aortic Dissection Biomarkers Identified Using Isobaric Tags for Relative and Absolute Quantitation. BioMed Research International, 2016, 2016, 1-7.	1.9	16
59	Impact of the Renin–Angiotensin System on the Endothelium in Vascular Dementia: Unresolved Issues and Future Perspectives. International Journal of Molecular Sciences, 2020, 21, 4268.	4.1	16
60	Impaired Cerebral Autoregulation-A Common Neurovascular Pathway in Diabetes may Play a Critical Role in Diabetes-Related Alzheimer's Disease. Current Research in Diabetes & Obesity Journal, 2017, 2, .	0.0	16
61	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
62	Exosomal miRNA Analysis of Aqueous Humour of Diabetes and Cataract Patients. Current Eye Research, 2021, 46, 324-332.	1.5	15
63	Genetic susceptibility of hypertensionâ€induced kidney disease. Physiological Reports, 2021, 9, e14688.	1.7	15
64	Impaired myogenic response of the afferent arteriole contributes to the increased susceptibility to renal disease in Milan normotensive rats. Physiological Reports, 2017, 5, e13089.	1.7	14
65	Menopause and Ischemic Stroke: A Brief Review. MOJ Toxicology, 2017, 3, .	0.2	14
66	The angiotensin II type I receptor contributes to impaired cerebral blood flow autoregulation caused by placental ischemia in pregnant rats. Biology of Sex Differences, 2019, 10, 58.	4.1	14
67	Reversal of cerebral hypoperfusion: a novel therapeutic target for the treatment of AD/ADRD?. GeroScience, 2021, 43, 1065-1067.	4.6	14
68	Impaired renal hemodynamics and glomerular hyperfiltration contribute to hypertension-induced renal injury. American Journal of Physiology - Renal Physiology, 2020, 319, F624-F635.	2.7	13
69	20-HETE-promoted cerebral blood flow autoregulation is associated with enhanced pericyte contractility. Prostaglandins and Other Lipid Mediators, 2021, 154, 106548.	1.9	13
70	Is Beta-Amyloid Accumulation a Cause or Consequence of Alzheimer's Disease?. , 2016, 1, .		13
71	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
72	Intrarenal Renin–Angiotensin System. Hypertension, 2016, 67, 831-833.	2.7	12

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73	Lumican as a novel potential clinical indicator for acute aortic dissection: A comparative study, based on multi-slice computed tomography angiography. Experimental and Therapeutic Medicine, 2016, 11, 923-928.	1.8	12
74	Different behavioral and pathological changes between epilepsy-associated depression and primary depression models. Epilepsy and Behavior, 2018, 83, 212-218.	1.7	12
75	Luseogliflozin, a sodium-glucose cotransporter-2 inhibitor, reverses cerebrovascular dysfunction and cognitive impairments in 18-mo-old diabetic animals. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H246-H259.	3.2	12
76	Capillary Stalling: A Mechanism of Decreased Cerebral Blood Flow in AD/ADRD. , 2021, 2, 149-153.		12
77	Development and Validation of a Prognostic Nomogram to Predict Cancer-Specific Survival in Adult Patients With Pineoblastoma. Frontiers in Oncology, 2020, 10, 1021.	2.8	11
78	Vascular-Cognitive Impairment following High-Thoracic Spinal Cord Injury Is Associated with Structural and Functional Maladaptations in Cerebrovasculature. Journal of Neurotrauma, 2020, 37, 1963-1970.	3.4	11
79	Aging diabetes, deconstructing the cerebrovascular wall. Aging, 2021, 13, 9158-9159.	3.1	11
80	Vascular contributions to cognitive impairment and dementia: the emerging role of 20-HETE. Clinical Science, 2021, 135, 1929-1944.	4.3	11
81	Contribution of cerebral microvascular mechanisms to age-related cognitive impairment and dementia. Physiology International, 2022, 109, 20-30.	1.6	10
82	Diffusion-weighted 7.0T Magnetic Resonance Imaging in Assessment of Intervertebral Disc Degeneration in Rats. Chinese Medical Journal, 2018, 131, 63-68.	2.3	9
83	Role of γ-adducin in actin cytoskeleton rearrangements in podocyte pathophysiology. American Journal of Physiology - Renal Physiology, 2021, 320, F97-F113.	2.7	9
84	Reasons for Early Ocular Hypertension after Uneventful Cataract Surgery. European Journal of Ophthalmology, 2014, 24, 712-717.	1.3	8
85	Exosomal miR-29b found in aqueous humour mediates calcium signaling in diabetic patients with cataract. International Journal of Ophthalmology, 2021, 14, 1484-1491.	1.1	8
86	Status of higher TGF-β1 and TGF-β2 levels in the aqueous humour of patients with diabetes and cataracts. BMC Ophthalmology, 2022, 22, 156.	1.4	8
87	Visualization of the intrarenal distribution of capillary blood flow. Physiological Reports, 2019, 7, e14065.	1.7	7
88	Angiotensin II type 1 receptor autoantibody blockade improves cerebral blood flow autoregulation and hypertension in a preclinical model of preeclampsia. Hypertension in Pregnancy, 2020, 39, 451-460.	1.1	7
89	Abstract 051: Oral Antihyperglycemic Therapy With a SGLT2 Inhibitor Reverses Cognitive Impairments in Elderly Diabetics. Hypertension, 2019, 74, .	2.7	7
90	Renoprotective effects of empagliflozin in type 1 and type 2 models of diabetic nephropathy superimposed with hypertension. GeroScience, 2022, 44, 2845-2861.	4.6	7

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91	Bone marrow CD34+ cell subset under induction of moderate stiffness of extracellular matrix after myocardial infarction facilitated endothelial lineage commitment in vitro. Stem Cell Research and Therapy, 2017, 8, 280.	5.5	6
92	Knockout of <i>γ</i> -Adducin Promotes N ^G -Nitro-L-Arginine-Methyl-Ester–Induced Hypertensive Renal Injury. Journal of Pharmacology and Experimental Therapeutics, 2021, 377, 189-198.	2.5	6
93	Abstract WP498: Impaired Pericyte Constriction and Cerebral Blood Flow Autoregulationin Diabetes. Stroke, 2020, 51, .	2.0	5
94	The adducin saga: pleiotropic genomic targets for precision medicine in human hypertension—vascular, renal, and cognitive diseases. Physiological Genomics, 2022, 54, 58-70.	2.3	5
95	Association of the IRAK4 rs4251545 genetic polymorphism with severity of enterovirusâ€71 infection in Chinese children. Immunity, Inflammation and Disease, 2022, 10, e614.	2.7	5
96	Genetic Susceptibility to Hypertension-Induced Renal Injury. Hypertension, 2018, 71, 559-560.	2.7	4
97	Abstract 35: Gamma Adducin Dysfunction Leads To Cerebrovascular Distention, Blood Brain Barrier Leakage, And Cognitive Deficits In The Fawn-hooded Hypertensive Rats. Hypertension, 2021, 78, .	2.7	4
98	Abstract TP556: Role of Vascular Smooth Muscle Cells in Diabetes-related Vascular Cognitive Impairment. Stroke, 2019, 50, .	2.0	4
99	Transcriptomics Analysis of Lens from Patients with Posterior Subcapsular Congenital Cataract. Genes, 2021, 12, 1904.	2.4	4
100	Downâ€Regulation of Gammaâ€Adducin Disrupts the Actin Cytoskeleton in FHH rats and May Contribute to the Development of Hypertensionâ€induced Renal Injury. FASEB Journal, 2018, 32, 721.10.	0.5	3
101	Long-Term Observation of Triplex Surgery for Cataract after Phakic 6H Implantation for Super High Myopia. Journal of Ophthalmology, 2016, 2016, 1-10.	1.3	2
102	Traumatic brain injury induced by exposure to blast overpressure via ear canal. Neural Regeneration Research, 2022, 17, 115.	3.0	2
103	Increased Renal Expression of Adhesion Molecules and Inflammation in Diabetic Nephropathy. FASEB Journal, 2019, 33, 573.7.	0.5	2
104	Abstract 130: Down Regulation of Gamma-Adducin Diminishes Glomerular Function and Promotes Hypertension Related Chronic Kidney Disease. Hypertension, 2019, 74, .	2.7	2
105	Upregulation of renal medullary 20â€HETE production opposes the development of hypertension in Sleeping Beauty Transposon CYP4A1 transgenic Dahl S rats. FASEB Journal, 2012, 26, .	0.5	2
106	Increases in renal medullary 20â€HETE formation oppose the development of hypertension and improves pressure natriuresis in CYP4A1 transgenic Dahl S rats. FASEB Journal, 2013, 27, 1115.3.	0.5	2
107	Targeting intrinsically disordered regions facilitates discovery of CaV3.2 inhibitory peptides for AAV-mediated peripheral analgesia. Pain, 2022, Publish Ahead of Print, .	4.2	2
108	Contribution of Betaâ€amyloid Accumulation to Cerebral Hypoperfusion in Alzheimer's Disease. FASEB Journal, 2022, 36, .	0.5	2

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109	Selective block of sensory neuronal T-type/Cav3.2 activity mitigates neuropathic pain behavior in a rat model of osteoarthritis pain. Arthritis Research and Therapy, 2022, 24, .	3.5	2
110	Effects of an SGLT2 inhibitor on cognition in diabetes involving amelioration of deep cortical cerebral blood flow autoregulation and pericyte function. Alzheimer's and Dementia, 2020, 16, e037056.	0.8	1
111	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. FASEB Journal, 2018, 32, 697.10.	0.5	1
112	Duration and magnitude of bidirectional fluctuation in blood pressure: the link between cerebrovascular dysfunction and cognitive impairment following spinal cord injury. Journal of Neurobiology and Physiology, 2020, 2, 15-18.	1.0	1
113	The influence of congenital and developmental cataract surgery on the ocular surface in a six-month follow-up prospective clinical study. BMC Ophthalmology, 2022, 22, 218.	1.4	1
114	Impaired myogenic responses of the Afâ€Art contributes to chronic kidney disease in Milan Normotensive rats. FASEB Journal, 2015, 29, 811.17.	0.5	0
115	Role of Cerebral Vascular Dysfunction on Alzheimerâ€Like Cognitive Deficits in Diabetic T2DN rats. FASEB Journal, 2018, 32, .	0.5	0
116	Excessive salt consumption increases susceptibility to cerebrovascular dysfunction and cognitive impairments in the elderly of both sexes. FASEB Journal, 2019, 33, 511.7.	0.5	0
117	Hypertensionâ€Induced Renal Injury is Associated with Impaired Glomerular Barrier Function Involving Podocyte Dysfunction. FASEB Journal, 2019, 33, 573.9.	0.5	0
118	Localization of the CYP4A Enzymes that Produce 20â€HETE and the 20â€HETE Receptor in the Brain. FASEB Journal, 2019, 33, 500.12.	0.5	0