Zhihong Yang

List of Publications by Year
in descending order

49 papers	7,606 citations	201674 27 h-index	197818 49 g-index
49 all docs	49 docs citations	49 times ranked	16773 citing authors

#	Article	IF	Citations
1	Role of tubular epithelial arginase-II in renal inflammaging. Npj Aging and Mechanisms of Disease, 2021, 7, 5.	4.5	9
2	PER2 mediates CREB-dependent light induction of the clock gene Per1. Scientific Reports, 2021, 11, 21766.	3.3	12
3	Hypoxia Induces Renal Epithelial Injury and Activates Fibrotic Signaling Through Up-Regulation of Arginase-II. Frontiers in Physiology, 2021, 12, 773719.	2.8	12
4	Inhibition of p38mapk Reduces Adipose Tissue Inflammation in Aging Mediated by Arginase-II. Pharmacology, 2020, 105, 491-504.	2.2	7
5	Arginaseâ€II promotes melanoma migration and adhesion through enhancing hydrogen peroxide production and STAT3 signaling. Journal of Cellular Physiology, 2020, 235, 9997-10011.	4.1	20
6	Detrimental Effects of Chronic L-Arginine Rich Food on Aging Kidney. Frontiers in Pharmacology, 2020, 11, 582155.	3.5	11
7	Myosin 1b Regulates Nuclear AKT Activation by Preventing Localization of PTEN in the Nucleus. IScience, 2019, 19, 39-53.	4.1	10
8	Hypoxia Enhances Endothelial Intercellular Adhesion Molecule 1 Protein Level Through Upregulation of Arginase Type II and Mitochondrial Oxidative Stress. Frontiers in Physiology, 2019, 10, 1003.	2.8	32
9	Arginase-II activates mTORC1 through myosin-1b in vascular cell senescence and apoptosis. Cell Death and Disease, 2018, 9, 313.	6.3	19
10	Kidney Mass Reduction Leads to <scp>l</scp> â€Arginine Metabolismâ€Dependent Blood Pressure Increase in Mice. Journal of the American Heart Association, 2018, 7, .	3.7	11
11	Arginaseâ€II negatively regulates renal aquaporinâ€2 and water reabsorption. FASEB Journal, 2018, 32, 5520-5531.	0.5	9
12	Arginase-II Promotes Tumor Necrosis Factor-Î± Release From Pancreatic Acinar Cells Causing Î²-Cell Apoptosis in Aging. Diabetes, 2017, 66, 1636-1649.	0.6	30
13	Arginase-I enhances vascular endothelial inflammation and senescence through eNOS-uncoupling. BMC Research Notes, 2017, 10, 82.	1.4	34
14	Ticagrelor, but not clopidogrel, reduces arterial thrombosis via endothelial tissue factor suppression. Cardiovascular Research, 2017, 113, 61-69.	3.8	25
15	Arginase-II Deficiency Extends Lifespan in Mice. Frontiers in Physiology, 2017, 8, 682.	2.8	33
16	Genetic Targeting of Arginase-II in Mouse Prevents Renal Oxidative Stress and Inflammation in Diet-Induced Obesity. Frontiers in Physiology, 2016, 7, 560.	2.8	15
17	Targeting arginase-II protects mice from high-fat-diet-induced hepatic steatosis through suppression of macrophage inflammation. Scientific Reports, 2016, 6, 20405.	3.3	35
18	En Face Detection of Nitric Oxide and Superoxide in Endothelial Layer of Intact Arteries. Journal of Visualized Experiments, 2016, , 53718.	0.3	5

#	ARTICLE	IF	CITATIONS
19	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
20	Role of p38 mitogen-activated protein kinase in vascular endothelial aging: Interaction with Arginase-II and S6K1 signaling pathway. Aging, 2015, 7, 70-81.	3.1	40
21	Long term exposure to L-arginine accelerates endothelial cell senescence through arginase-II and S6K1 signaling. Aging, 2014, 6, 369-379.	3.1	31
22	ARG2 impairs endothelial autophagy through regulation of MTOR and PRKAA/AMPK signaling in advanced atherosclerosis. Autophagy, 2014, 10, 2223-2238.	9.1	115
23	Functions of Arginase Isoforms in Macrophage Inflammatory Responses: Impact on Cardiovascular Diseases and Metabolic Disorders. Frontiers in Immunology, 2014, 5, 533.	4.8	200
24	p38 mitogen-activated protein kinase is involved in arginase-II-mediated eNOS-Uncoupling in Obesity. Cardiovascular Diabetology, 2014, 13, 113.	6.8	44
25	Functions and Mechanisms of Arginase in Age-Associated Cardiovascular Diseases. Current Translational Geriatrics and Experimental Gerontology Reports, 2013, 2, 268-274.	0.7	8
26	Endothelial NF-ÂB: the remote controller of the backyard fire in the vascular wall?. Cardiovascular Research, 2013, 97, 8-9.	3.8	2
27	Arginaseâ€II Induces Vascular Smooth Muscle Cell Senescence and Apoptosis Through p66Shc and p53 Independently of Its <scp>l</scp> â€Arginine Ureahydrolase Activity: Implications for Atherosclerotic Plaque Vulnerability. Journal of the American Heart Association, 2013, 2, e000096.	3.7	71
28	Arginase: The Emerging Therapeutic Target for Vascular Oxidative Stress and Inflammation. Frontiers in Immunology, 2013, 4, 149.	4.8	103
29	Arginase II Promotes Macrophage Inflammatory Responses Through Mitochondrial Reactive Oxygen Species, Contributing to Insulin Resistance and Atherogenesis. Journal of the American Heart Association, 2012, 1, e000992.	3.7	107
30	Perspectives of Targeting mTORC1â€"S6K1 in Cardiovascular Aging. Frontiers in Physiology, 2012, 3, 5.	2.8	29
31	p38 Mitogen-Activated Protein Kinase Is Required for Glucosamine-Induced Endothelial Nitric Oxide Synthase Uncoupling and Plasminogen-Activator Inhibitor Expression. Circulation Journal, 2012, 76, 2015-2022.	1.6	9
32	Positive crosstalk between arginaseâ€II and S6K1 in vascular endothelial inflammation and aging. Aging Cell, 2012, 11, 1005-1016.	6.7	103
33	Hyperactive S6K1 Mediates Oxidative Stress and Endothelial Dysfunction in Aging: Inhibition by Resveratrol. PLoS ONE, 2011, 6, e19237.	2.5	131
34	CD36: the common soil for inflammation in obesity and atherosclerosis?. Cardiovascular Research, 2011, 89, 485-486.	3.8	8
35	The Vascular SIRTainty. Aging, 2010, 2, 331-332.	3.1	5
36	<i>O</i>-linked Î²-N-acetylglucosamine During Hyperglycemia Exerts Both Anti-Inflammatory and Pro-Oxidative Properties in the Endothelial System. Oxidative Medicine and Cellular Longevity, 2009, 2, 172-175.	4.0	17

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37	Inhibition of S6K1 accounts partially for the anti-inflammatory effects of the arginase inhibitor L-norvaline. BMC Cardiovascular Disorders, 2009, 9, 12.	1.7	57
38	Mutation of the Circadian Clock Gene Per2 Alters Vascular Endothelial Function. Circulation, 2007, 115, 2188-2195.	1.6	197
39	Endothelial arginase: A new target in atherosclerosis. Current Hypertension Reports, 2006, 8, 54-59.	3.5	72
40	Recent Advances in Understanding Endothelial Dysfunction in Atherosclerosis. Clinical Medicine and Research, 2006, 4, 53-65.	0.8	161
41	Endothelial nitric oxide synthase gene transfer restores endotheliumâ€“dependent relaxations and attenuates lesion formation in carotid arteries in apolipoprotein Eâ€“deficient mice. Basic Research in Cardiology, 2005, 100, 102-111.	5.9	21
42	Thrombin Stimulates Human Endothelial Arginase Enzymatic Activity via RhoA/ROCK Pathway. Circulation, 2004, 110, 3708-3714.	1.6	223
43	PKC is required for activation of ROCK by RhoA in human endothelial cells. Biochemical and Biophysical Research Communications, 2003, 304, 714-719.	2.1	43
44	Felodipine inhibits nuclear translocation of p42/44 mitogen-activated protein kinase and human smooth muscle cell growth. Cardiovascular Research, 2002, 53, 227-231.	3.8	6
45	Rho GTPase/Rho Kinase Negatively Regulates Endothelial Nitric Oxide Synthase Phosphorylation through the Inhibition of Protein Kinase B/Akt in Human Endothelial Cells. Molecular and Cellular Biology, 2002, 22, 8467-8477.	2.3	377
46	Phorbol Ester Downregulates PDGFÎ² Receptor via PKCÎ²1 in Vascular Smooth Muscle Cells. Biochemical and Biophysical Research Communications, 2001, 286, 372-375.	2.1	5
47	Thrombin Suppresses Endothelial Nitric Oxide Synthase and Upregulates Endothelin-Converting Enzyme-1 Expression by Distinct Pathways. Circulation Research, 2001, 89, 583-590.	4.5	162
48	HMG-CoA reductase inhibition improves endothelial cell function and inhibits smooth muscle cell proliferation in human saphenous veins. Journal of the American College of Cardiology, 2000, 36, 1691-1697.	2.8	103
49	Different Proliferative Properties of Smooth Muscle Cells of Human Arterial and Venous Bypass Vessels. Circulation, 1998, 97, 181-187.	1.6	126