Zhihong Yang

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	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
3	Thrombin Stimulates Human Endothelial Arginase Enzymatic Activity via RhoA/ROCK Pathway. Circulation, 2004, 110, 3708-3714.	1.6	223
4	Functions of Arginase Isoforms in Macrophage Inflammatory Responses: Impact on Cardiovascular Diseases and Metabolic Disorders. Frontiers in Immunology, 2014, 5, 533.	4.8	200
5	Mutation of the Circadian Clock Gene Per2 Alters Vascular Endothelial Function. Circulation, 2007, 115, 2188-2195.	1.6	197
6	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
7	Recent Advances in Understanding Endothelial Dysfunction in Atherosclerosis. Clinical Medicine and Research, 2006, 4, 53-65.	0.8	161
8	Hyperactive S6K1 Mediates Oxidative Stress and Endothelial Dysfunction in Aging: Inhibition by Resveratrol. PLoS ONE, 2011, 6, e19237.	2.5	131
9	Different Proliferative Properties of Smooth Muscle Cells of Human Arterial and Venous Bypass Vessels. Circulation, 1998, 97, 181-187.	1.6	126
10	ARG2 impairs endothelial autophagy through regulation of MTOR and PRKAA/AMPK signaling in advanced atherosclerosis. Autophagy, 2014, 10, 2223-2238.	9.1	115
11	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
12	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
13	Positive crosstalk between arginaseâ€II and S6K1 in vascular endothelial inflammation and aging. Aging Cell, 2012, 11, 1005-1016.	6.7	103
14	Arginase: The Emerging Therapeutic Target for Vascular Oxidative Stress and Inflammation. Frontiers in Immunology, 2013, 4, 149.	4.8	103
15	Endothelial arginase: A new target in atherosclerosis. Current Hypertension Reports, 2006, 8, 54-59.	3.5	72
16	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
17	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
18	p38 mitogen-activated protein kinase is involved in arginase-II-mediated eNOS-Uncoupling in Obesity. Cardiovascular Diabetology, 2014, 13, 113.	6.8	44

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19	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
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	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
22	Arginase-I enhances vascular endothelial inflammation and senescence through eNOS-uncoupling. BMC Research Notes, 2017, 10, 82.	1.4	34
23	Arginase-II Deficiency Extends Lifespan in Mice. Frontiers in Physiology, 2017, 8, 682.	2.8	33
24	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
25	Long term exposure to L-arginine accelerates endothelial cell senescence through arginase-II and S6K1 signaling. Aging, 2014, 6, 369-379.	3.1	31
26	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
27	Perspectives of Targeting mTORC1â€“S6K1 in Cardiovascular Aging. Frontiers in Physiology, 2012, 3, 5.	2.8	29
28	Ticagrelor, but not clopidogrel, reduces arterial thrombosis via endothelial tissue factor suppression. Cardiovascular Research, 2017, 113, 61-69.	3.8	25
29	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
30	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
31	Arginase-II activates mTORC1 through myosin-1b in vascular cell senescence and apoptosis. Cell Death and Disease, 2018, 9, 313.	6.3	19
32	O-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
33	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
34	PER2 mediates CREB-dependent light induction of the clock gene Per1. Scientific Reports, 2021, 11, 21766.	3.3	12
35	Hypoxia Induces Renal Epithelial Injury and Activates Fibrotic Signaling Through Up-Regulation of Arginase-II. Frontiers in Physiology, 2021, 12, 773719.	2.8	12
36	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

#	Article	IF	Citations
37	Detrimental Effects of Chronic L-Arginine Rich Food on Aging Kidney. Frontiers in Pharmacology, 2020, 11, 582155.	3.5	11
38	Myosin 1b Regulates Nuclear AKT Activation by Preventing Localization of PTEN in the Nucleus. IScience, 2019, 19, 39-53.	4.1	10
39	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
40	Arginaseâ€II negatively regulates renal aquaporinâ€2 and water reabsorption. FASEB Journal, 2018, 32, 5520-5531.	0.5	9
41	Role of tubular epithelial arginase-II in renal inflammaging. Npj Aging and Mechanisms of Disease, 2021, 7, 5.	4.5	9
42	CD36: the common soil for inflammation in obesity and atherosclerosis?. Cardiovascular Research, 2011, 89, 485-486.	3.8	8
43	Functions and Mechanisms of Arginase in Age-Associated Cardiovascular Diseases. Current Translational Geriatrics and Experimental Gerontology Reports, 2013, 2, 268-274.	0.7	8
44	Inhibition of p38mapk Reduces Adipose Tissue Inflammation in Aging Mediated by Arginase-II. Pharmacology, 2020, 105, 491-504.	2.2	7
45	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
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	En Face Detection of Nitric Oxide and Superoxide in Endothelial Layer of Intact Arteries. Journal of Visualized Experiments, 2016, , 53718.	0.3	5
48	The Vascular SIRTainty. Aging, 2010, 2, 331-332.	3.1	5
49	Endothelial NF-ÂB: the remote controller of the backyard fire in the vascular wall?. Cardiovascular Research, 2013, 97, 8-9.	3.8	2