Zhekang Ying

List of Publications by Citations

52 papers	1,781 citations	23 h-index	42 g-index
57 ext. papers	2,123 ext. citations	6.7 avg, IF	4.33 L-index

#	Paper	IF	Citations
52	Particulate Matter Exposure and Stress Hormone Levels: A Randomized, Double-Blind, Crossover Trial of Air Purification. *Circulation*, **2017**, 136, 618-627	16.7	254
51	Effect of early particulate air pollution exposure on obesity in mice: role of p47phox. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2010**, 30, 2518-27	9.4	210
50	Long-term exposure to concentrated ambient PM2.5 increases mouse blood pressure through abnormal activation of the sympathetic nervous system: a role for hypothalamic inflammation. *Environmental Health Perspectives*, **2014**, 122, 79-86	8.4	119
49	Air pollution-mediated susceptibility to inflammation and insulin resistance: influence of CCR2 pathways in mice. *Environmental Health Perspectives*, **2014**, 122, 17-26	8.4	111
48	Ambient particulates alter vascular function through induction of reactive oxygen and nitrogen species. *Toxicological Sciences*, **2009**, 111, 80-8	4.4	92
47	Air pollution and cardiac remodeling: a role for RhoA/Rho-kinase. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H1540-50	5.2	89
46	Exposure to concentrated ambient PM alters the composition of gut microbiota in a murine model. *Particle and Fibre Toxicology*, **2018**, 15, 17	8.4	68
45	Central IKK□nhibition prevents air pollution mediated peripheral inflammation and exaggeration of type II diabetes. *Particle and Fibre Toxicology*, **2014**, 11, 53	8.4	61
44	Evidence that □lipoic acid inhibits NF-B activation independent of its antioxidant function. *Inflammation Research*, **2011**, 60, 219-25	7.2	59
43	PYK2/PDZ-RhoGEF links Ca2+ signaling to RhoA. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 1657-63	9.4	52
42	Lipoic acid effects on established atherosclerosis. *Life Sciences*, **2010**, 86, 95-102	6.8	51
41	Angiotensin II up-regulates the leukemia-associated Rho guanine nucleotide exchange factor (RhoGEF), a regulator of G protein signaling domain-containing RhoGEF, in vascular smooth muscle cells. *Molecular Pharmacology*, **2006**, 69, 932-40	4.3	42
40	Increaseed expression of mRNA for regulator of G protein signaling domain-containing Rho guanine nucleotide exchange factors in aorta from stroke-prone spontaneously hypertensive rats. *American Journal of Hypertension*, **2004**, 17, 981-5	2.3	42
39	Metabolomics analysis of a mouse model for chronic exposure to ambient PM. *Environmental Pollution*, **2019**, 247, 953-963	9.3	37
38	Exposure to Concentrated Ambient PM2.5 Compromises Spermatogenesis in a Mouse Model: Role of Suppression of Hypothalamus-Pituitary-Gonads Axis. *Toxicological Sciences*, **2018**, 162, 318-326	4.4	36
37	Exposure to concentrated ambient particulate matter induces reversible increase of heart weight in spontaneously hypertensive rats. *Particle and Fibre Toxicology*, **2015**, 12, 15	8.4	27
36	Concentrated Ambient PM-Induced Inflammation and Endothelial Dysfunction in a Murine Model of Neural IKK2 Deficiency. *Environmental Health Perspectives*, **2018**, 126, 027003	8.4	27

35	Particulate Air pollution mediated effects on insulin resistance in mice are independent of CCR2. *Particle and Fibre Toxicology*, **2017**, 14, 6	8.4	26
34	Repeated ozone exposure exacerbates insulin resistance and activates innate immune response in genetically susceptible mice. *Inhalation Toxicology*, **2016**, 28, 383-92	2.7	24
33	Programming of mouse obesity by maternal exposure to concentrated ambient fine particles. *Particle and Fibre Toxicology*, **2017**, 14, 20	8.4	24
32	Salicylates dilate blood vessels through inhibiting PYK2-mediated RhoA/Rho-kinase activation. *Cardiovascular Research*, **2009**, 83, 155-62	9.9	24
31	Deletion of interleukin 1 receptor-associated kinase 1 () improves glucose tolerance primarily by increasing insulin sensitivity in skeletal muscle. *Journal of Biological Chemistry*, **2017**, 292, 12339-12350	5.4	23
30	Particulate air pollution and ischemic stroke hospitalization: How the associations vary by constituents in Shanghai, China. *Science of the Total Environment*, **2019**, 695, 133780	10.2	23
29	LRP1 (Low-Density Lipoprotein Receptor-Related Protein 1) Regulates Smooth Muscle Contractility by Modulating Ca Signaling and Expression of Cytoskeleton-Related Proteins. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 2651-2664	9.4	23
28	Exposure to Concentrated Ambient PM2.5 Shortens Lifespan and Induces Inflammation-Associated Signaling and Oxidative Stress in Drosophila. *Toxicological Sciences*, **2017**, 156, 199-207	4.4	22
27	Prenatal and postnatal mothering by diesel exhaust PM-exposed dams differentially program mouse energy metabolism. *Particle and Fibre Toxicology*, **2017**, 14, 3	8.4	22
26	The acute effects of fine particulate matter constituents on circulating inflammatory biomarkers in healthy adults. *Science of the Total Environment*, **2020**, 707, 135989	10.2	22
25	Alpha-lipoic acid activates eNOS through activation of PI3-kinase/Akt signaling pathway. *Vascular Pharmacology*, **2015**, 64, 28-35	5.9	18
24	The effects of fine particulate matter constituents on exhaled nitric oxide and DNA methylation in the arginase-nitric oxide synthase pathway. *Environment International*, **2019**, 131, 105019	12.9	17
23	Inactivation of TNF/LT locus alters mouse metabolic response to concentrated ambient PM. *Toxicology*, **2017**, 390, 100-108	4.4	14
22	Associations between fine particulate matter constituents and daily cardiovascular mortality in Shanghai, China. *Ecotoxicology and Environmental Safety*, **2020**, 191, 110154	7	14
21	Subacute inhalation exposure to ozone induces systemic inflammation but not insulin resistance in a diabetic mouse model. *Inhalation Toxicology*, **2016**, 28, 155-63	2.7	12
20	Inhibitor B kinase 2 is a myosin light chain kinase in vascular smooth muscle. *Circulation Research*, **2013**, 113, 562-70	15.7	11
19	Prenatal exposure to diesel exhaust PM causes offspring cell dysfunction in adulthood. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E72-E80	6	10
18	Developmental programming of obesity by maternal exposure to concentrated ambient PM is maternally transmitted into the third generation in a mouse model. *Particle and Fibre Toxicology*, **2019**, 16, 27	8.4	10

17	Decreased Taurine and Creatine in the Thalamus May Relate to Behavioral Impairments in Ethanol-Fed Mice: A Pilot Study of Proton Magnetic Resonance Spectroscopy. *Molecular Imaging*, **2018**, 17, 1536012117749051	3.7	8
16	Lipoicmethylenedioxyphenol Reduces Experimental Atherosclerosis through Activation of Nrf2 Signaling. *PLoS ONE*, **2016**, 11, e0148305	3.7	8
15	Dual regulation of tumor necrosis factor-□on myosin light chain phosphorylation in vascular smooth muscle. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 308, H398-406	5.2	7
14	Chronic exposure to diesel exhaust particulate matter impairs meiotic progression during spermatogenesis in a mouse model. *Ecotoxicology and Environmental Safety*, **2020**, 202, 110881	7	6
13	From the Cover: Lung-Specific Overexpression of Constitutively Active IKK2 Induces Pulmonary and Systemic Inflammations but Not Hypothalamic Inflammation and Glucose Intolerance. *Toxicological Sciences*, **2017**, 160, 4-14	4.4	6
12	Liver Fibrosis Conventional and Molecular Imaging Diagnosis Update. *Journal of Liver*, **2019**, 8,	2	5
11	Glucose Homeostasis following Diesel Exhaust Particulate Matter Exposure in a Lung Epithelial Cell-Specific IKK2-Deficient Mouse Model. *Environmental Health Perspectives*, **2019**, 127, 57009	8.4	4
10	Exposure to different fractions of diesel exhaust PM induces different levels of pulmonary inflammation and acute phase response. *Ecotoxicology and Environmental Safety*, **2021**, 210, 111871	7	4
9	Hypothalamic-pituitary-adrenal axis mediates ambient PM exposure-induced pulmonary inflammation. *Ecotoxicology and Environmental Safety*, **2021**, 208, 111464	7	4
8	-4-[F]fluoro-L-proline Molecular Imaging Experimental Liver Fibrosis. *Frontiers in Molecular Biosciences*, **2020**, 7, 90	5.6	3
7	TNF Signaling Impacts Glucagon-Like Peptide-1 Expression and Secretion. *Journal of Molecular Endocrinology*, **2018**, 61, 153-161	4.5	3
6	Paternal Exposure to PM Programs Offspring's Energy Homeostasis. *Environmental Science & Technology*, **2021**, 55, 6097-6106	10.3	3
5	Exposure of Mice during Spermatogenesis: A Role of Inhibitor Kinase 2 in Pro-Opiomelanocortin Neurons. *Environmental Health Perspectives*, **2021**, 129, 97006	8.4	2
4	Intermittent fasting ameliorates PM exposure-induced abnormalities in glycaemic control. *Toxicology and Applied Pharmacology*, **2020**, 404, 115181	4.6	0
3	RRY Inhibits Amyloid-□Peptide Aggregation and Neurotoxicity. *Journal of Alzheimer's Disease Reports*, **2021**, 5, 479-495	3.3	0
2	Personal exposure to fine particulate matter and blood pressure: Variations by particulate sources. *Chemosphere*, **2021**, 280, 130602	8.4	0
1	Biomarkers of PM2.5 Exposure: Use of Metabolomics as a Platform. *Biomarkers in Disease*, **2022**, 1-30		