

Zhekang Ying

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Biomarkers of PM _{2.5} Exposure: Use of Metabolomics as a Platform. <i>Biomarkers in Disease</i> , 2022 , 1-30		
51	Exposure to different fractions of diesel exhaust PM induces different levels of pulmonary inflammation and acute phase response. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 210, 111871	7	4
50	Paternal Exposure to PM Programs Offspring's Energy Homeostasis. <i>Environmental Science & Technology</i> , 2021 , 55, 6097-6106	10.3	3
49	RRY Inhibits Amyloid- β Peptide Aggregation and Neurotoxicity. <i>Journal of Alzheimer's Disease Reports</i> , 2021 , 5, 479-495	3.3	0
48	Hypothalamic-pituitary-adrenal axis mediates ambient PM exposure-induced pulmonary inflammation. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 208, 111464	7	4
47	Exposure of Mice during Spermatogenesis: A Role of Inhibitor Kinase 2 in Pro-Opiomelanocortin Neurons. <i>Environmental Health Perspectives</i> , 2021 , 129, 97006	8.4	2
46	Personal exposure to fine particulate matter and blood pressure: Variations by particulate sources. <i>Chemosphere</i> , 2021 , 280, 130602	8.4	0
45	Chronic exposure to diesel exhaust particulate matter impairs meiotic progression during spermatogenesis in a mouse model. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110881	7	6
44	-4-[F]fluoro-L-proline Molecular Imaging Experimental Liver Fibrosis. <i>Frontiers in Molecular Biosciences</i> , 2020 , 7, 90	5.6	3
43	Associations between fine particulate matter constituents and daily cardiovascular mortality in Shanghai, China. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 191, 110154	7	14
42	The acute effects of fine particulate matter constituents on circulating inflammatory biomarkers in healthy adults. <i>Science of the Total Environment</i> , 2020 , 707, 135989	10.2	22
41	Intermittent fasting ameliorates PM exposure-induced abnormalities in glycaemic control. <i>Toxicology and Applied Pharmacology</i> , 2020 , 404, 115181	4.6	0
40	Metabolomics analysis of a mouse model for chronic exposure to ambient PM. <i>Environmental Pollution</i> , 2019 , 247, 953-963	9.3	37
39	Glucose Homeostasis following Diesel Exhaust Particulate Matter Exposure in a Lung Epithelial Cell-Specific IKK2-Deficient Mouse Model. <i>Environmental Health Perspectives</i> , 2019 , 127, 57009	8.4	4
38	Particulate air pollution and ischemic stroke hospitalization: How the associations vary by constituents in Shanghai, China. <i>Science of the Total Environment</i> , 2019 , 695, 133780	10.2	23
37	The effects of fine particulate matter constituents on exhaled nitric oxide and DNA methylation in the arginase-nitric oxide synthase pathway. <i>Environment International</i> , 2019 , 131, 105019	12.9	17
36	Developmental programming of obesity by maternal exposure to concentrated ambient PM is maternally transmitted into the third generation in a mouse model. <i>Particle and Fibre Toxicology</i> , 2019 , 16, 27	8.4	10

35	Liver Fibrosis Conventional and Molecular Imaging Diagnosis Update. <i>Journal of Liver</i> , 2019 , 8,	2	5
34	Decreased Taurine and Creatine in the Thalamus May Relate to Behavioral Impairments in Ethanol-Fed Mice: A Pilot Study of Proton Magnetic Resonance Spectroscopy. <i>Molecular Imaging</i> , 2018 , 17, 1536012117749051	3.7	8
33	Exposure to Concentrated Ambient PM2.5 Compromises Spermatogenesis in a Mouse Model: Role of Suppression of Hypothalamus-Pituitary-Gonads Axis. <i>Toxicological Sciences</i> , 2018 , 162, 318-326	4.4	36
32	Exposure to concentrated ambient PM alters the composition of gut microbiota in a murine model. <i>Particle and Fibre Toxicology</i> , 2018 , 15, 17	8.4	68
31	Prenatal exposure to diesel exhaust PM causes offspring β -cell dysfunction in adulthood. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018 , 315, E72-E80	6	10
30	TNF Signaling Impacts Glucagon-Like Peptide-1 Expression and Secretion. <i>Journal of Molecular Endocrinology</i> , 2018 , 61, 153-161	4.5	3
29	LRP1 (Low-Density Lipoprotein Receptor-Related Protein 1) Regulates Smooth Muscle Contractility by Modulating Ca Signaling and Expression of Cytoskeleton-Related Proteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 2651-2664	9.4	23
28	Concentrated Ambient PM-Induced Inflammation and Endothelial Dysfunction in a Murine Model of Neural IKK2 Deficiency. <i>Environmental Health Perspectives</i> , 2018 , 126, 027003	8.4	27
27	Exposure to Concentrated Ambient PM2.5 Shortens Lifespan and Induces Inflammation-Associated Signaling and Oxidative Stress in Drosophila. <i>Toxicological Sciences</i> , 2017 , 156, 199-207	4.4	22
26	Deletion of interleukin 1 receptor-associated kinase 1 () improves glucose tolerance primarily by increasing insulin sensitivity in skeletal muscle. <i>Journal of Biological Chemistry</i> , 2017 , 292, 12339-12350	5.4	23
25	Particulate Air pollution mediated effects on insulin resistance in mice are independent of CCR2. <i>Particle and Fibre Toxicology</i> , 2017 , 14, 6	8.4	26
24	Inactivation of TNF/LT locus alters mouse metabolic response to concentrated ambient PM. <i>Toxicology</i> , 2017 , 390, 100-108	4.4	14
23	Particulate Matter Exposure and Stress Hormone Levels: A Randomized, Double-Blind, Crossover Trial of Air Purification. <i>Circulation</i> , 2017 , 136, 618-627	16.7	254
22	Programming of mouse obesity by maternal exposure to concentrated ambient fine particles. <i>Particle and Fibre Toxicology</i> , 2017 , 14, 20	8.4	24
21	Prenatal and postnatal mothering by diesel exhaust PM-exposed dams differentially program mouse energy metabolism. <i>Particle and Fibre Toxicology</i> , 2017 , 14, 3	8.4	22
20	From the Cover: Lung-Specific Overexpression of Constitutively Active IKK2 Induces Pulmonary and Systemic Inflammations but Not Hypothalamic Inflammation and Glucose Intolerance. <i>Toxicological Sciences</i> , 2017 , 160, 4-14	4.4	6
19	Repeated ozone exposure exacerbates insulin resistance and activates innate immune response in genetically susceptible mice. <i>Inhalation Toxicology</i> , 2016 , 28, 383-92	2.7	24
18	Lipoicmethylenedioxyphenol Reduces Experimental Atherosclerosis through Activation of Nrf2 Signaling. <i>PLoS ONE</i> , 2016 , 11, e0148305	3.7	8

17	Subacute inhalation exposure to ozone induces systemic inflammation but not insulin resistance in a diabetic mouse model. <i>Inhalation Toxicology</i> , 2016 , 28, 155-63	2.7	12
16	Dual regulation of tumor necrosis factor- β on myosin light chain phosphorylation in vascular smooth muscle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H398-406	5.2	7
15	Exposure to concentrated ambient particulate matter induces reversible increase of heart weight in spontaneously hypertensive rats. <i>Particle and Fibre Toxicology</i> , 2015 , 12, 15	8.4	27
14	Alpha-lipoic acid activates eNOS through activation of PI3-kinase/Akt signaling pathway. <i>Vascular Pharmacology</i> , 2015 , 64, 28-35	5.9	18
13	Central IKK β inhibition prevents air pollution mediated peripheral inflammation and exaggeration of type II diabetes. <i>Particle and Fibre Toxicology</i> , 2014 , 11, 53	8.4	61
12	Air pollution-mediated susceptibility to inflammation and insulin resistance: influence of CCR2 pathways in mice. <i>Environmental Health Perspectives</i> , 2014 , 122, 17-26	8.4	111
11	Long-term exposure to concentrated ambient PM _{2.5} increases mouse blood pressure through abnormal activation of the sympathetic nervous system: a role for hypothalamic inflammation. <i>Environmental Health Perspectives</i> , 2014 , 122, 79-86	8.4	119
10	Inhibitor β kinase 2 is a myosin light chain kinase in vascular smooth muscle. <i>Circulation Research</i> , 2013 , 113, 562-70	15.7	11
9	Evidence that lipoic acid inhibits NF- κ B activation independent of its antioxidant function. <i>Inflammation Research</i> , 2011 , 60, 219-25	7.2	59
8	Effect of early particulate air pollution exposure on obesity in mice: role of p47phox. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 2518-27	9.4	210
7	Lipoic acid effects on established atherosclerosis. <i>Life Sciences</i> , 2010 , 86, 95-102	6.8	51
6	Ambient particulates alter vascular function through induction of reactive oxygen and nitrogen species. <i>Toxicological Sciences</i> , 2009 , 111, 80-8	4.4	92
5	Salicylates dilate blood vessels through inhibiting PYK2-mediated RhoA/Rho-kinase activation. <i>Cardiovascular Research</i> , 2009 , 83, 155-62	9.9	24
4	Air pollution and cardiac remodeling: a role for RhoA/Rho-kinase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 296, H1540-50	5.2	89
3	PYK2/PDZ-RhoGEF links Ca ²⁺ signaling to RhoA. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1657-63	9.4	52
2	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. <i>Molecular Pharmacology</i> , 2006 , 69, 932-40	4.3	42
1	Increased expression of mRNA for regulator of G protein signaling domain-containing Rho guanine nucleotide exchange factors in aorta from stroke-prone spontaneously hypertensive rats. <i>American Journal of Hypertension</i> , 2004 , 17, 981-5	2.3	42