

# Donghai Liang

## List of Publications by Citations

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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.

38

papers

701

citations

16

h-index

26

g-index

47

ext. papers

1,001

ext. citations

7.4

avg, IF

4.15

L-index

#	Paper	IF	Citations
38	Urban Air Pollution May Enhance COVID-19 Case-Fatality and Mortality Rates in the United States. <i>Innovation(China)</i> , <b>2020</b> , 1, 100047	17.8	104
37	Use of high-resolution metabolomics for the identification of metabolic signals associated with traffic-related air pollution. <i>Environment International</i> , <b>2018</b> , 120, 145-154	12.9	67
36	Perturbations of the arginine metabolome following exposures to traffic-related air pollution in a panel of commuters with and without asthma. <i>Environment International</i> , <b>2019</b> , 127, 503-513	12.9	48
35	Hypoxia-inducible factor 1 $\alpha$ mediates neuroprotection of hypoxic postconditioning against global cerebral ischemia. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2014</b> , 73, 975-86	3.1	42
34	Activation of Akt/FoxO and inactivation of MEK/ERK pathways contribute to induction of neuroprotection against transient global cerebral ischemia by delayed hypoxic postconditioning in adult rats. <i>Neuropharmacology</i> , <b>2012</b> , 63, 873-82	5.5	40
33	Autophagosome maturation mediated by Rab7 contributes to neuroprotection of hypoxic preconditioning against global cerebral ischemia in rats. <i>Cell Death and Disease</i> , <b>2017</b> , 8, e2949	9.8	39
32	Shape-dependent toxicity of alumina nanoparticles in rat astrocytes. <i>Science of the Total Environment</i> , <b>2019</b> , 690, 158-166	10.2	30
31	The roles of p38 MAPK/MSK1 signaling pathway in the neuroprotection of hypoxic postconditioning against transient global cerebral ischemia in adult rats. <i>Molecular Neurobiology</i> , <b>2014</b> , 49, 1338-49	6.2	29
30	Urban Air Pollution May Enhance COVID-19 Case-Fatality and Mortality Rates in the United States <b>2020</b> ,		29
29	Particulate metal exposures induce plasma metabolome changes in a commuter panel study. <i>PLoS ONE</i> , <b>2018</b> , 13, e0203468	3.7	28
28	Dysregulated lipid and fatty acid metabolism link perfluoroalkyl substances exposure and impaired glucose metabolism in young adults. <i>Environment International</i> , <b>2020</b> , 145, 106091	12.9	27
27	Metabolomic profiles of plasma, exhaled breath condensate, and saliva are correlated with potential for air toxics detection. <i>Journal of Breath Research</i> , <b>2017</b> , 12, 016008	3.1	24
26	Neuroprotection of hypoxic postconditioning against global cerebral ischemia through influencing posttranslational regulations of heat shock protein 27 in adult rats. <i>Brain Pathology</i> , <b>2017</b> , 27, 822-838	6	21
25	Neuroglobin mediates neuroprotection of hypoxic postconditioning against transient global cerebral ischemia in rats through preserving the activity of Na/K ATPases. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 635	9.8	20
24	Metabolic syndrome and the short-term prognosis of acute ischemic stroke: a hospital-based retrospective study. <i>Lipids in Health and Disease</i> , <b>2015</b> , 14, 76	4.4	18
23	Application of high-resolution metabolomics to identify biological pathways perturbed by traffic-related air pollution. <i>Environmental Research</i> , <b>2021</b> , 193, 110506	7.9	16
22	Acute pulmonary and inflammatory response in young adults following a scripted car commute. <i>Air Quality, Atmosphere and Health</i> , <b>2018</b> , 11, 123-136	5.6	15

21	Photochemical impacts on the toxicity of PM <sub>2.5</sub> . <i>Critical Reviews in Environmental Science and Technology</i> , <b>2020</b> , 1-27	11.1	14
20	Errors associated with the use of roadside monitoring in the estimation of acute traffic pollutant-related health effects. <i>Environmental Research</i> , <b>2018</b> , 165, 210-219	7.9	11
19	Near-road Vehicle Emissions Air Quality Monitoring for Exposure Modeling. <i>Atmospheric Environment</i> , <b>2020</b> , 224, 117318-117318	5.3	9
18	Hypoxic Preconditioning Maintains GLT-1 Against Transient Global Cerebral Ischemia Through Upregulating Cx43 and Inhibiting c-Src. <i>Frontiers in Molecular Neuroscience</i> , <b>2018</b> , 11, 344	6.1	9
17	Impact of ozone exposure on heart rate variability and stress hormones: A randomized-crossover study. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 421, 126750	12.8	9
16	Ambient air pollution and sickle cell disease-related emergency department visits in Atlanta, GA. <i>Environmental Research</i> , <b>2020</b> , 184, 109292	7.9	8
15	Per- and polyfluoroalkyl substance (PFAS) exposure, maternal metabolomic perturbation, and fetal growth in African American women: A meet-in-the-middle approach. <i>Environment International</i> , <b>2021</b> , 158, 106964	12.9	8
14	Periconception air pollution, metabolomic biomarkers, and fertility among women undergoing assisted reproduction. <i>Environment International</i> , <b>2021</b> , 155, 106666	12.9	8
13	Estimating climate change-related impacts on outdoor air pollution infiltration. <i>Environmental Research</i> , <b>2021</b> , 196, 110923	7.9	5
12	Histogram analysis of absolute cerebral blood volume map can distinguish glioblastoma from solitary brain metastasis. <i>Medicine (United States)</i> , <b>2019</b> , 98, e17515	1.8	4
11	Long-Term Exposure to Low-Level and Mortality among the Elderly Population in the Southeastern United States.. <i>Environmental Health Perspectives</i> , <b>2021</b> , 129, 127009	8.4	4
10	Evaluating a multipollutant metric for use in characterizing traffic-related air pollution exposures within near-road environments. <i>Environmental Research</i> , <b>2020</b> , 184, 109389	7.9	3
9	High-resolution metabolomics of exposure to tobacco smoke during pregnancy and adverse birth outcomes in the Atlanta African American maternal-child cohort. <i>Environmental Pollution</i> , <b>2022</b> , 292, 118361	9.3	3
8	Associations of single and multiple per- and polyfluoroalkyl substance (PFAS) exposure with vitamin D biomarkers in African American women during pregnancy. <i>Environmental Research</i> , <b>2021</b> , 202, 111713	7.9	3
7	Effect of exposures to mixtures of lead and various metals on hypertension, pre-hypertension, and blood pressure: A cross-sectional study from the China National Human Biomonitoring.. <i>Environmental Pollution</i> , <b>2022</b> , 299, 118864	9.3	2
6	Pesticide residue intake from fruits and vegetables and alterations in the serum metabolome of women undergoing infertility treatment.. <i>Environment International</i> , <b>2021</b> , 160, 107061	12.9	1
5	Reproductive toxicity and metabolic perturbations in male rats exposed to boron. <i>Science of the Total Environment</i> , <b>2021</b> , 785, 147370	10.2	1
4	Length of PM exposure and alterations in the serum metabolome among women undergoing infertility treatment.. <i>Environmental Epidemiology</i> , <b>2022</b> , 6, e191	0.2	0

- 3 Assessment of metabolic perturbations associated with exposure to phthalates among pregnant African American women. *Science of the Total Environment*, **2021**, 151689 10.2 0
- 2 Assessment of Fine-Scale Dispersion Modelling for Near-Road Exposure Applications. *Springer Proceedings in Complexity*, **2020**, 347-350 0.3
- 1 Characterization of Traffic Emissions Exposure Metrics in the Dorm Room Inhalation to Vehicle Emissions (DRIVE) Study. *Springer Proceedings in Complexity*, **2018**, 523-528 0.3