

Kai-Jen Chuang

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.

89
papers

2,316
citations

24
h-index

45
g-index

98
ext. papers

2,736
ext. citations

6.5
avg, IF

4.96
L-index

#	Paper	IF	Citations
89	The effect of urban air pollution on inflammation, oxidative stress, coagulation, and autonomic dysfunction in young adults. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007 , 176, 370-6	10.2	472
88	Long-term air pollution exposure and risk factors for cardiovascular diseases among the elderly in Taiwan. <i>Occupational and Environmental Medicine</i> , 2011 , 68, 64-8	2.1	195
87	Effect of air pollution on blood pressure, blood lipids, and blood sugar: a population-based approach. <i>Journal of Occupational and Environmental Medicine</i> , 2010 , 52, 258-62	2	119
86	Personal exposure to submicrometer particles and heart rate variability in human subjects. <i>Environmental Health Perspectives</i> , 2004 , 112, 1063-7	8.4	86
85	Effects of particle size fractions on reducing heart rate variability in cardiac and hypertensive patients. <i>Environmental Health Perspectives</i> , 2005 , 113, 1693-7	8.4	80
84	Long-term indoor air conditioner filtration and cardiovascular health: A randomized crossover intervention study. <i>Environment International</i> , 2017 , 106, 91-96	12.9	77
83	Traffic-related air pollution and cardiovascular mortality in central Taiwan. <i>Science of the Total Environment</i> , 2010 , 408, 1818-23	10.2	59
82	Chemical composition and bioreactivity of PM _{2.5} during 2013 haze events in China. <i>Atmospheric Environment</i> , 2016 , 126, 162-170	5.3	53
81	Associations between particulate sulfate and organic carbon exposures and heart rate variability in patients with or at risk for cardiovascular diseases. <i>Journal of Occupational and Environmental Medicine</i> , 2007 , 49, 610-7	2	46
80	Effects of commuting mode on air pollution exposure and cardiovascular health among young adults in Taipei, Taiwan. <i>International Journal of Hygiene and Environmental Health</i> , 2015 , 218, 319-23	6.9	45
79	Association of short-term exposure to fine particulate matter and nitrogen dioxide with acute cardiovascular effects. <i>Science of the Total Environment</i> , 2016 , 569-570, 300-305	10.2	44
78	Association of PM with sleep-disordered breathing from a population-based study in Northern Taiwan urban areas. <i>Environmental Pollution</i> , 2018 , 233, 109-113	9.3	43
77	Medical mask versus cotton mask for preventing respiratory droplet transmission in micro environments. <i>Science of the Total Environment</i> , 2020 , 735, 139510	10.2	41
76	Characterization of chemical components and bioreactivity of fine particulate matter (PM _{2.5}) during incense burning. <i>Environmental Pollution</i> , 2016 , 213, 524-532	9.3	38
75	Reducing indoor air pollution by air conditioning is associated with improvements in cardiovascular health among the general population. <i>Science of the Total Environment</i> , 2013 , 463-464, 176-81	10.2	35
74	Short-term exposure to noise, fine particulate matter and nitrogen oxides on ambulatory blood pressure: A repeated-measure study. <i>Environmental Research</i> , 2015 , 140, 634-40	7.9	32
73	The effects of indoor particle exposure on blood pressure and heart rate among young adults: An air filtration-based intervention study. <i>Atmospheric Environment</i> , 2011 , 45, 5540-5544	5.3	31

72	Associations between submicrometer particles exposures and blood pressure and heart rate in patients with lung function impairments. <i>Journal of Occupational and Environmental Medicine</i> , 2005 , 47, 1093-8	2	31
71	Protein oxidation and degradation caused by particulate matter. <i>Scientific Reports</i> , 2016 , 6, 33727	4.9	28
70	Microglial activation and inflammation caused by traffic-related particulate matter. <i>Chemico-Biological Interactions</i> , 2019 , 311, 108762	5	27
69	Comparative proteomics of inhaled silver nanoparticles in healthy and allergen provoked mice. <i>International Journal of Nanomedicine</i> , 2013 , 8, 2783-99	7.3	27
68	Effects of polycyclic aromatic compounds in fine particulate matter generated from household coal combustion on response to EGFR mutations in vitro. <i>Environmental Pollution</i> , 2016 , 218, 1262-1269	9.3	26
67	Physicochemistry and cardiovascular toxicity of metal fume PM2.5: a study of human coronary artery endothelial cells and welding workers. <i>Scientific Reports</i> , 2016 , 6, 33515	4.9	25
66	Nickel-regulated heart rate variability: the roles of oxidative stress and inflammation. <i>Toxicology and Applied Pharmacology</i> , 2013 , 266, 298-306	4.6	25
65	Pulmonary exposure to metal fume particulate matter cause sleep disturbances in shipyard welders. <i>Environmental Pollution</i> , 2018 , 232, 523-532	9.3	24
64	Methionine oxidation in albumin by fine haze particulate matter: an in vitro and in vivo study. <i>Journal of Hazardous Materials</i> , 2014 , 274, 384-91	12.8	24
63	Association of ultrafine particles with cardiopulmonary health among adult subjects in the urban areas of northern Taiwan. <i>Science of the Total Environment</i> , 2018 , 627, 211-215	10.2	23
62	The association of annual air pollution exposure with blood pressure among patients with sleep-disordered breathing. <i>Science of the Total Environment</i> , 2016 , 543, 61-66	10.2	23
61	Personal exposure to household particulate matter, household activities and heart rate variability among housewives. <i>PLoS ONE</i> , 2014 , 9, e89969	3.7	23
60	Effects of size and surface of zinc oxide and aluminum-doped zinc oxide nanoparticles on cell viability inferred by proteomic analyses. <i>International Journal of Nanomedicine</i> , 2014 , 9, 3631-43	7.3	22
59	Effects of zinc oxide nanoparticles on human coronary artery endothelial cells. <i>Food and Chemical Toxicology</i> , 2016 , 93, 138-44	4.7	22
58	The health effects of a forest environment on subclinical cardiovascular disease and health-related quality of life. <i>PLoS ONE</i> , 2014 , 9, e103231	3.7	21
57	Chronic pulmonary exposure to traffic-related fine particulate matter causes brain impairment in adult rats. <i>Particle and Fibre Toxicology</i> , 2018 , 15, 44	8.4	21
56	In-car particles and cardiovascular health: an air conditioning-based intervention study. <i>Science of the Total Environment</i> , 2013 , 452-453, 309-13	10.2	20
55	Personal exposure to particulate matter and inflammation among patients with periodontal disease. <i>Science of the Total Environment</i> , 2015 , 502, 585-9	10.2	19

54	Investigation into the pulmonary inflammopathology of exposure to nickel oxide nanoparticles in mice. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 2329-2339	6	18
53	Characterization of the interactions between protein and carbon black. <i>Journal of Hazardous Materials</i> , 2014 , 264, 127-35	12.8	17
52	Serum protein oxidation by diesel exhaust particles: effects on oxidative stress and inflammatory response in vitro. <i>Chemico-Biological Interactions</i> , 2013 , 206, 385-93	5	17
51	Contributions of local pollution emissions to particle bioreactivity in downwind cities in China during Asian dust periods. <i>Environmental Pollution</i> , 2019 , 245, 675-683	9.3	17
50	Chronic obstructive pulmonary disease patients have a higher risk of occurrence of pneumonia by air pollution. <i>Science of the Total Environment</i> , 2019 , 677, 524-529	10.2	16
49	Urinary neutrophil gelatinase-associated lipocalin is associated with heavy metal exposure in welding workers. <i>Scientific Reports</i> , 2015 , 5, 18048	4.9	15
48	Effects of non-protein-type amino acids of fine particulate matter on E-cadherin and inflammatory responses in mice. <i>Toxicology Letters</i> , 2015 , 237, 174-80	4.4	14
47	Size and composition effects of household particles on inflammation and endothelial dysfunction of human coronary artery endothelial cells. <i>Atmospheric Environment</i> , 2013 , 77, 490-495	5.3	14
46	Particulate matter is associated with sputum culture conversion in patients with culture-positive tuberculosis. <i>Therapeutics and Clinical Risk Management</i> , 2016 , 12, 41-6	2.9	14
45	Pulmonary pathobiology induced by zinc oxide nanoparticles in mice: A 24-hour and 28-day follow-up study. <i>Toxicology and Applied Pharmacology</i> , 2017 , 327, 13-22	4.6	13
44	Physicochemical and biological characterization of single-walled and double-walled carbon nanotubes in biological media. <i>Journal of Hazardous Materials</i> , 2014 , 280, 216-25	12.8	13
43	Cigarette smoke is a risk factor for severity and treatment outcome in patients with culture-positive tuberculosis. <i>Therapeutics and Clinical Risk Management</i> , 2015 , 11, 1539-44	2.9	12
42	Houseplant, indoor air pollution, and cardiovascular effects among elderly subjects in Taipei, Taiwan. <i>Science of the Total Environment</i> , 2020 , 705, 135770	10.2	12
41	Inhibition of the WNT/βcatenin pathway by fine particulate matter in haze: Roles of metals and polycyclic aromatic hydrocarbons. <i>Atmospheric Environment</i> , 2015 , 109, 118-129	5.3	11
40	Effects of temple particles on inflammation and endothelial cell response. <i>Science of the Total Environment</i> , 2012 , 414, 68-72	10.2	11
39	Impacts of In-Cabin Exposure to Size-Fractionated Particulate Matters and Carbon Monoxide on Changes in Heart Rate Variability for Healthy Public Transit Commuters. <i>Atmosphere</i> , 2019 , 10, 409	2.7	10
38	Inter-alpha-trypsin inhibitor heavy chain 4: a novel biomarker for environmental exposure to particulate air pollution in patients with chronic obstructive pulmonary disease. <i>International Journal of COPD</i> , 2015 , 10, 831-41	3	10
37	Human lung adenocarcinoma cells with an EGFR mutation are sensitive to non-autophagic cell death induced by zinc oxide and aluminium-doped zinc oxide nanoparticles. <i>Journal of Toxicological Sciences</i> , 2017 , 42, 437-444	1.9	9

36	Effects of physical characteristics of carbon black on metabolic regulation in mice. <i>Environmental Pollution</i> , 2018 , 232, 494-504	9.3	9
35	Effects of diesel exhaust particles on the expression of tau and autophagy proteins in human neuroblastoma cells. <i>Environmental Toxicology and Pharmacology</i> , 2018 , 62, 54-59	5.8	9
34	Association of ambient ozone with pneumonia hospital admissions in Hong Kong and Taipei: A tale of two Southeast Asian cities. <i>Environment International</i> , 2021 , 156, 106634	12.9	9
33	Association between exposures to air pollution and biomarkers of cardiovascular disease in Northern Taiwan. <i>Atmospheric Pollution Research</i> , 2019 , 10, 1250-1259	4.5	8
32	In-vehicle carbon dioxide and adverse effects: An air filtration-based intervention study. <i>Science of the Total Environment</i> , 2020 , 723, 138047	10.2	8
31	Dysfunction of methionine sulfoxide reductases to repair damaged proteins by nickel nanoparticles. <i>Chemico-Biological Interactions</i> , 2015 , 236, 82-9	5	8
30	Associations of autophagy with lung diffusion capacity and oxygen saturation in severe COPD: effects of particulate air pollution. <i>International Journal of COPD</i> , 2016 , 11, 1569-78	3	8
29	Effects of Personal Exposures to Micro- and Nano-Particulate Matter, Black Carbon, Particle-Bound Polycyclic Aromatic Hydrocarbons, and Carbon Monoxide on Heart Rate Variability in a Panel of Healthy Older Subjects. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	8
28	Indoor ozone levels, houseplants and peak expiratory flow rates among healthy adults in Taipei, Taiwan. <i>Environment International</i> , 2019 , 122, 231-236	12.9	8
27	Road Traffic Noise, Air Pollutants, and the Prevalence of Cardiovascular Disease in Taichung, Taiwan. <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	8
26	Alteration in angiotensin-converting enzyme 2 by PM during the development of emphysema in rats. <i>ERJ Open Research</i> , 2020 , 6,	3.5	7
25	Alterations by Air Pollution in Inflammation and Metals in Pleural Effusion of Pneumonia Patients. <i>International Journal of Environmental Research and Public Health</i> , 2019 , 16,	4.6	6
24	Alterations in cardiovascular function by particulate matter in rats using a crossover design. <i>Environmental Pollution</i> , 2017 , 231, 812-820	9.3	5
23	Investigation of the Antioxidant Capacity, Insecticidal Ability and Oxidation Stability of Seed Extract. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	5
22	Exposure assessment of particulate and gaseous pollutants emitted during surgery in operating rooms of different specialties. <i>Air Quality, Atmosphere and Health</i> , 2018 , 11, 937-947	5.6	4
21	Characterization of pulmonary protein profiles in response to zinc oxide nanoparticles in mice: a 24-hour and 28-day follow-up study. <i>International Journal of Nanomedicine</i> , 2015 , 10, 4705-16	7.3	4
20	Indoor air pollution, nighttime heart rate variability and coffee consumption among convenient store workers. <i>PLoS ONE</i> , 2013 , 8, e63320	3.7	4
19	The effect of essential oil on heart rate and blood pressure among solus por aqua workers. <i>European Journal of Preventive Cardiology</i> , 2014 , 21, 823-8	3.9	3

18	Particulate matter in a motorcycle-dominated urban area: Source apportionment and cancer risk of lung deposited surface area (LDSA) concentrations.. <i>Journal of Hazardous Materials</i> , 2021 , 427, 128188	12.8	3
17	Effect of welding fume on heart rate variability among workers with respirators in a shipyard. <i>Scientific Reports</i> , 2016 , 6, 34158	4.9	3
16	Association of cardiorespiratory hospital admissions with ambient volatile organic compounds: Evidence from a time-series study in Taipei, Taiwan. <i>Chemosphere</i> , 2021 , 276, 130172	8.4	3
15	Association of ambient non-methane hydrocarbons exposure with respiratory hospitalizations: A time series study in Taipei, Taiwan. <i>Science of the Total Environment</i> , 2020 , 729, 139010	10.2	2
14	Electroencephalographic Study of Essential Oils for Stress Relief. <i>Applied Mechanics and Materials</i> , 2013 , 437, 1085-1088	0.3	2
13	Development of land-use regression models to estimate particle mass and number concentrations in Taichung, Taiwan. <i>Atmospheric Environment</i> , 2021 , 252, 118303	5.3	2
12	Chronic exposure to metal fume PM on inflammation and stress hormone cortisol in shipyard workers: A repeat measurement study. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 215, 112144	7	2
11	Colorimetric detection of polycyclic aromatic hydrocarbons by using gold nanoparticles.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 268, 120701	4.4	1
10	Traffic-related PM2.5 exposure and its cardiovascular effects among healthy commuters in Taipei, Taiwan. <i>Atmospheric Environment: X</i> , 2020 , 7, 100084	2.8	1
9	Association between Migraine and the Risk of Stroke: A Bayesian Meta-Analysis. <i>Sustainability</i> , 2021 , 13, 3759	3.6	1
8	The impacts of ambient relative humidity and temperature on supine position-related obstructive sleep apnea in adults.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	1
7	Association of long-term indoor exposure to fine particles with pulmonary effects in Northern Taiwan.. <i>Science of the Total Environment</i> , 2022 , 821, 153097	10.2	0
6	Air pollution-regulated E-cadherin mediates contact inhibition of proliferation via the hippo signaling pathways in emphysema. <i>Chemico-Biological Interactions</i> , 2021 , 351, 109763	5	0
5	Preparing and Applying Silver Nanoparticles in Conductive Ink and Inkjet Painting. <i>Journal of Nanoscience and Nanotechnology</i> , 2021 , 21, 5979-5986	1.3	0
4	Air pollution associated with cognitive decline by the mediating effects of sleep cycle disruption and changes in brain structure in adults.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
3	Acute effects of ambient non-methane hydrocarbons on cardiorespiratory hospitalizations: A multicity time-series study in Taiwan.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 234, 113370	7	0
2	Long-Term Exposure to Essential Oils and Cardiopulmonary Health from a Population-Based Study. <i>Atmosphere</i> , 2022 , 13, 631	2.7	0
1	Zinc Oxide Nanoparticles Promote YAP/TAZ Nuclear Localization in Alveolar Epithelial Type II Cells. <i>Atmosphere</i> , 2022 , 13, 334	2.7	0

