

# Tsun-Jen Cheng

## List of Publications by Year in descending order

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Version: 2024-02-01

114  
papers

4,649  
citations

94433

37  
h-index

114465

63  
g-index

115  
all docs

115  
docs citations

115  
times ranked

6330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ethnic differences in the prevalence of the homozygous deleted genotype of glutathione S-transferase theta. <i>Carcinogenesis</i> , 1995, 16, 1243-1246.	2.8	316
2	Zinc Oxide Nanoparticles Interfere With Zinc Ion Homeostasis to Cause Cytotoxicity. <i>Toxicological Sciences</i> , 2012, 125, 462-472.	3.1	247
3	Long-term air pollution exposure and risk factors for cardiovascular diseases among the elderly in Taiwan. <i>Occupational and Environmental Medicine</i> , 2011, 68, 64-68.	2.8	242
4	Global Magnitude of Reported and Unreported Mesothelioma. <i>Environmental Health Perspectives</i> , 2011, 119, 514-518.	6.0	182
5	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, 258-262.	1.7	147
6	Particle toxicology and health - where are we?. <i>Particle and Fibre Toxicology</i> , 2019, 16, 19.	6.2	133
7	Effects of Asian dust event particles on inflammation markers in peripheral blood and bronchoalveolar lavage in pulmonary hypertensive rats. <i>Environmental Research</i> , 2004, 95, 71-76.	7.5	116
8	Demonstration of an Olfactory Bulbâ€“Brain Translocation Pathway for ZnO Nanoparticles in Rodent Cells In Vitro and In Vivo. <i>Journal of Molecular Neuroscience</i> , 2012, 48, 464-471.	2.3	115
9	Cardiopulmonary toxicity of pulmonary exposure to occupationally relevant zinc oxide nanoparticles. <i>Nanotoxicology</i> , 2014, 8, 593-604.	3.0	112
10	Effects on sister chromatid exchange frequency of polymorphisms in DNA repair gene XRCC1 in smokers. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 519, 93-101.	1.7	97
11	The Associations Between Long Working Hours, Physical Inactivity, and Burnout. <i>Journal of Occupational and Environmental Medicine</i> , 2016, 58, 514-518.	1.7	89
12	Pulmonary toxicity of inhaled nanoscale and fine zinc oxide particles: Mass and surface area as an exposure metric. <i>Inhalation Toxicology</i> , 2011, 23, 947-956.	1.6	88
13	Effects of particulate air pollution and ozone on lung function in non-asthmatic children. <i>Environmental Research</i> , 2015, 137, 40-48.	7.5	88
14	Chemical composition and bioreactivity of PM2.5 during 2013 haze events in China. <i>Atmospheric Environment</i> , 2016, 126, 162-170.	4.1	71
15	Subchronic effects of inhaled ambient particulate matter on glucose homeostasis and target organ damage in a type 1 diabetic rat model. <i>Toxicology and Applied Pharmacology</i> , 2014, 281, 211-220.	2.8	69
16	Enhanced oxidative stress and endothelial dysfunction in streptozotocin-diabetic rats exposed to fine particles. <i>Environmental Research</i> , 2005, 99, 335-343.	7.5	64
17	Zinc oxide particles induce inflammatory responses in vascular endothelial cells via NF-Î²B signaling. <i>Journal of Hazardous Materials</i> , 2010, 183, 182-188.	12.4	60
18	A population-based study on the immediate and prolonged effects of the 1999 Taiwan earthquake on mortality. <i>Annals of Epidemiology</i> , 2003, 13, 502-508.	1.9	57

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19	Aerosol characteristics from the Taiwan aerosol supersite in the Asian yellow-dust periods of 2002. <i>Atmospheric Environment</i> , 2006, 40, 3409-3418.	4.1	56
20	The GST T1 and CYP2E1 genotypes are possible factors causing vinyl chloride induced abnormal liver function. <i>Archives of Toxicology</i> , 1997, 71, 482-488.	4.2	55
21	Prolonged Time to Pregnancy in Female Workers Exposed to Ethylene Glycol Ethers in Semiconductor Manufacturing. <i>Epidemiology</i> , 2002, 13, 191-196.	2.7	55
22	Zinc oxide nanoparticles induce eosinophilic airway inflammation in mice. <i>Journal of Hazardous Materials</i> , 2015, 297, 304-312.	12.4	52
23	Effects of ozone on DNA single-strand breaks and 8-oxoguanine formation in A549 cells. <i>Environmental Research</i> , 2003, 93, 279-284.	7.5	51
24	Effects of concentrated ambient particles on heart rate and blood pressure in pulmonary hypertensive rats.. <i>Environmental Health Perspectives</i> , 2003, 111, 147-150.	6.0	51
25	Public attitudes toward nanotechnology applications in Taiwan. <i>Technovation</i> , 2013, 33, 88-96.	7.8	50
26	Concurrent quantification of multiple biomarkers indicative of oxidative stress status using liquid chromatography-tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2016, 512, 26-35.	2.4	50
27	NMR-based metabolomics to determine acute inhalation effects of nano- and fine-sized ZnO particles in the rat lung. <i>Nanotoxicology</i> , 2016, 10, 924-934.	3.0	48
28	Effects of Concentrated Ambient Particles on Heart Rate, Blood Pressure, and Cardiac Contractility in Spontaneously Hypertensive Rats. <i>Inhalation Toxicology</i> , 2004, 16, 421-429.	1.6	47
29	Enhanced insulin resistance in diet-induced obese rats exposed to fine particles by instillation. <i>Inhalation Toxicology</i> , 2011, 23, 507-519.	1.6	47
30	Chronic exposure to particulate matter and risk of cardiovascular mortality: cohort study from Taiwan. <i>BMC Public Health</i> , 2015, 15, 936.	2.9	47
31	Prolonged menstrual cycles in female workers exposed to ethylene glycol ethers in the semiconductor manufacturing industry. <i>Occupational and Environmental Medicine</i> , 2005, 62, 510-516.	2.8	46
32	The effect of size-segregated ambient particulate matter on Th1/Th2-like immune responses in mice. <i>PLoS ONE</i> , 2017, 12, e0173158.	2.5	45
33	Microglial activation and inflammation caused by traffic-related particulate matter. <i>Chemico-Biological Interactions</i> , 2019, 311, 108762.	4.0	44
34	Effects on sister chromatid exchange frequency of aldehyde dehydrogenase 2 genotype and smoking in vinyl chloride workers. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998, 420, 99-107.	1.7	43
35	An increased standardised mortality ratio for liver cancer among polyvinyl chloride workers in Taiwan. <i>Occupational and Environmental Medicine</i> , 2002, 59, 405-409.	2.8	43
36	Allergenicity and toxicology of inhaled silver nanoparticles in allergen-provocation mice models. <i>International Journal of Nanomedicine</i> , 2013, 8, 4495.	6.7	43

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37	Association of temporal distribution of fine particulate matter with glucose homeostasis during pregnancy in women of Chiayi City, Taiwan. <i>Environmental Research</i> , 2017, 152, 81-87.	7.5	41
38	Prevalence and psychiatric comorbidity of self-reported electromagnetic field sensitivity in Taiwan: A population-based study. <i>Journal of the Formosan Medical Association</i> , 2011, 110, 634-641.	1.7	40
39	Increased micronucleus frequency in lymphocytes from smokers with lung cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1996, 349, 43-50.	1.0	39
40	Chronic pulmonary exposure to traffic-related fine particulate matter causes brain impairment in adult rats. <i>Particle and Fibre Toxicology</i> , 2018, 15, 44.	6.2	39
41	Association of hepatitis virus infection, alcohol consumption and plasma vitamin A levels with urinary 8-hydroxydeoxyguanosine in chemical workers. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2003, 535, 181-186.	1.7	38
42	The Association of Ambient Air Pollution With Airway Inflammation in Schoolchildren. <i>American Journal of Epidemiology</i> , 2012, 175, 764-774.	3.4	38
43	N-acetylcysteine attenuates noise-induced permanent hearing loss in diabetic rats. <i>Hearing Research</i> , 2010, 267, 71-77.	2.0	37
44	Liver Fibrosis in Asymptomatic Polyvinyl Chloride Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2004, 46, 962-966.	1.7	36
45	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.	8.0	35
46	Protective effects of pulmonary epithelial lining fluid on oxidative stress and DNA single-strand breaks caused by ultrafine carbon black, ferrous sulphate and organic extract of diesel exhaust particles. <i>Toxicology and Applied Pharmacology</i> , 2013, 266, 329-334.	2.8	34
47	Acute cardiac dysfunction after short-term diesel exhaust particles exposure. <i>Toxicology Letters</i> , 2010, 192, 349-355.	0.8	33
48	Alterations in rat pulmonary phosphatidylcholines after chronic exposure to ambient fine particulate matter. <i>Molecular BioSystems</i> , 2014, 10, 3163-3169.	2.9	33
49	Nickel-regulated heart rate variability: The roles of oxidative stress and inflammation. <i>Toxicology and Applied Pharmacology</i> , 2013, 266, 298-306.	2.8	32
50	Abnormal liver function associated with occupational exposure to dimethylformamide and glutathioneS-transferase polymorphisms. <i>Biomarkers</i> , 2005, 10, 464-474.	1.9	31
51	Comparison of sister chromatid exchange frequency in peripheral lymphocytes in lung cancer cases and controls. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1995, 348, 75-82.	1.1	30
52	Exposure to epichlorohydrin and dimethylformamide, glutathione S-transferases and sister chromatid exchange frequencies in peripheral lymphocytes. <i>Archives of Toxicology</i> , 1999, 73, 282-287.	4.2	30
53	Urinary Thiodiglycolic Acid Levels for Vinyl Chloride Monomer-Exposed Polyvinyl Chloride Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2001, 43, 934-938.	1.7	30
54	Comparative proteomics of inhaled silver nanoparticles in healthy and allergen provoked mice. <i>International Journal of Nanomedicine</i> , 2013, 8, 2783.	6.7	30

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55	Why can't Chinese Han drink alcohol? Hepatitis B virus infection and the evolution of acetaldehyde dehydrogenase deficiency. <i>Medical Hypotheses</i> , 2002, 59, 204-207.	1.5	28
56	Interaction Effects of Ultrafine Carbon Black with Iron and Nickel on Heart Rate Variability in Spontaneously Hypertensive Rats. <i>Environmental Health Perspectives</i> , 2007, 115, 1012-1017.	6.0	27
57	Characterization of titanium dioxide nanoparticle removal in simulated drinking water treatment processes. <i>Science of the Total Environment</i> , 2017, 601-602, 886-894.	8.0	27
58	LC-MS-based lipidomics to examine acute rat pulmonary responses after nano- and fine-sized ZnO particle inhalation exposure. <i>Nanotoxicology</i> , 2018, 12, 439-452.	3.0	26
59	Interaction of Vinyl Chloride Monomer Exposure and Hepatitis B Viral Infection on Liver Cancer. <i>Journal of Occupational and Environmental Medicine</i> , 2003, 45, 379-383.	1.7	25
60	Spatiotemporal modeling with temporal-invariant variogram subgroups to estimate fine particulate matter PM2.5 concentrations. <i>Atmospheric Environment</i> , 2012, 54, 1-8.	4.1	25
61	Changes in protein expression in rat bronchoalveolar lavage fluid after exposure to zinc oxide nanoparticles: an iTRAQ proteomic approach. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 974-980.	1.5	25
62	Association Between Dioxins/Furans Exposures and Incinerator Workers'™ Hepatic Function and Blood Lipids. <i>Journal of Occupational and Environmental Medicine</i> , 2003, 45, 601-608.	1.7	23
63	Three month inhalation exposure to low-level PM2.5 induced brain toxicity in an Alzheimer's™ disease mouse model. <i>PLoS ONE</i> , 2021, 16, e0254587.	2.5	23
64	XRCC1 , CYP2E1 and ALDH2 genetic polymorphisms and sister chromatid exchange frequency alterations amongst vinyl chloride monomer-exposed polyvinyl chloride workers. <i>Archives of Toxicology</i> , 2003, 77, 433-440.	4.2	22
65	Effects of Concentrated Ambient Particles on Heart Rate Variability in Spontaneously Hypertensive Rats. <i>Journal of Occupational Health</i> , 2005, 47, 471-480.	2.1	22
66	Effects of Ambient Particulate Matter and Fungal Spores on Lung Function in Schoolchildren. <i>Pediatrics</i> , 2011, 127, e690-e698.	2.1	22
67	Effects of Diesel Exhaust Particles on Left Ventricular Function in Isoproterenol-Induced Myocardial Injury and Healthy Rats. <i>Inhalation Toxicology</i> , 2008, 20, 199-203.	1.6	21
68	Exposure to solvents in a synthetic leather manufacturing plant. <i>International Archives of Occupational and Environmental Health</i> , 2000, 73, 275-280.	2.3	20
69	Effect of the CYP2E1 genotype on vinyl chloride monomer-induced liver fibrosis among polyvinyl chloride workers. <i>Toxicology</i> , 2007, 239, 34-44.	4.2	20
70	Neuropathology changed by 3- and 6-months low-level PM2.5 inhalation exposure in spontaneously hypertensive rats. <i>Particle and Fibre Toxicology</i> , 2020, 17, 59.	6.2	20
71	XRCC1 and CYP2E1 polymorphisms as susceptibility factors of plasma mutant p53 protein and anti-p53 antibody expression in vinyl chloride monomer-exposed polyvinyl chloride workers. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2002, 11, 475-82.	2.5	20
72	Characterization of the interactions between protein and carbon black. <i>Journal of Hazardous Materials</i> , 2014, 264, 127-135.	12.4	19

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73	DNA single strand breaks in peripheral lymphocytes associated with urinary thiodiglycolic acid levels in polyvinyl chloride workers. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004, 561, 119-126.	1.7	18
74	Effects of Concentrated Ambient Particles on Heart Rate, Blood Pressure, and Cardiac Contractility in Spontaneously Hypertensive Rats During a Dust Storm Event. <i>Inhalation Toxicology</i> , 2007, 19, 973-978.	1.6	18
75	Mortality from liver cancer and leukaemia among polyvinyl chloride workers in Taiwan: an updated study. <i>Occupational and Environmental Medicine</i> , 2011, 68, 120-125.	2.8	18
76	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, 174-180.	0.8	18
77	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.	2.8	18
78	Plasma p53 Protein and Anti-p53 Antibody Expression in Vinyl Chloride Monomer Workers in Taiwan. <i>Journal of Occupational and Environmental Medicine</i> , 1999, 41, 521-526.	1.7	18
79	Molecular epidemiology of plasma oncoproteins in vinyl chloride monomer workers in Taiwan. <i>Cancer Detection and Prevention</i> , 2003, 27, 94-101.	2.1	17
80	Regulation of fine particulate matter (PM2.5) in the Pacific Rim: perspectives from the APRU Global Health Program. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 1039-1049.	3.3	17
81	Sustained renal inflammation following 2 weeks of inhalation of occupationally relevant levels of zinc oxide nanoparticles in Sprague Dawley rats. <i>Journal of Toxicologic Pathology</i> , 2017, 30, 307-314.	0.7	17
82	Brain lipid profiles in the spontaneously hypertensive rat after subchronic real-world exposure to ambient fine particulate matter. <i>Science of the Total Environment</i> , 2020, 707, 135603.	8.0	17
83	Mutant frequency at the hprt locus in human lymphocytes in a case-control study of lung cancer. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1995, 332, 109-118.	1.0	16
84	Job categories and acute ischemic heart disease: a hospital-based, case-control study in Taiwan. <i>American Journal of Industrial Medicine</i> , 2007, 50, 409-414.	2.1	15
85	Physicochemical and biological characterization of single-walled and double-walled carbon nanotubes in biological media. <i>Journal of Hazardous Materials</i> , 2014, 280, 216-225.	12.4	15
86	Abnormal Liver Function in Workers Exposed to Low Levels of Ethylene Dichloride and Vinyl Chloride Monomer. <i>Journal of Occupational and Environmental Medicine</i> , 1999, 41, 1128-1133.	1.7	15
87	Surface area as a dose metric for carbon black nanoparticles: A study of oxidative stress, DNA single-strand breakage and inflammation in rats. <i>Atmospheric Environment</i> , 2015, 106, 329-334.	4.1	14
88	The effect of the inhalation of and topical exposure to zinc oxide nanoparticles on airway inflammation in mice. <i>Toxicology and Applied Pharmacology</i> , 2019, 384, 114787.	2.8	14
89	Synergistic effect of hepatitis virus infection and occupational exposures to vinyl chloride monomer and ethylene dichloride on serum aminotransferase activity. <i>Occupational and Environmental Medicine</i> , 2003, 60, 774-778.	2.8	13
90	Diabetes impairs recovery from noise-induced temporary hearing loss. <i>Laryngoscope</i> , 2009, 119, 1190-1194.	2.0	13

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91	Effects of physical characteristics of carbon black on metabolic regulation in mice. <i>Environmental Pollution</i> , 2018, 232, 494-504.	7.5	11
92	Effects of Concentrated Ambient Particles on Airway Responsiveness and Pulmonary Inflammation in Pulmonary Hypertensive Rats. <i>Inhalation Toxicology</i> , 2004, 16, 785-792.	1.6	10
93	Risks Perception of Electromagnetic Fields in Taiwan: The Influence of Psychopathology and the Degree of Sensitivity to Electromagnetic Fields. <i>Risk Analysis</i> , 2013, 33, 2002-2012.	2.7	10
94	Plasma Asp13-Ki-ras Oncoprotein Expression in Vinyl Chloride Monomer Workers in Taiwan. <i>Journal of Occupational and Environmental Medicine</i> , 1998, 40, 1053-1058.	1.7	10
95	Dimethylacetamide, Ethylenediamine, and Diphenylmethane Diisocyanate Poisoning Manifest as Acute Psychosis and Pulmonary Edema: Treatment with Hemoperfusion. <i>Journal of Toxicology: Clinical Toxicology</i> , 2000, 38, 429-433.	1.5	9
96	Increased lymphocyte sister chromatid exchange frequency in workers with exposure to low level of ethylene dichloride. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000, 470, 109-114.	1.7	9
97	Chronological changes in compromised olivocochlear activity and the effect of insulin in diabetic Wistar rats. <i>Hearing Research</i> , 2010, 270, 173-178.	2.0	9
98	Alterations in cardiovascular function by particulate matter in rats using a crossover design. <i>Environmental Pollution</i> , 2017, 231, 812-820.	7.5	9
99	Increased night duty loading of physicians caused elevated blood pressure and sympathetic tones in a dose-dependent manner. <i>International Archives of Occupational and Environmental Health</i> , 2016, 89, 413-423.	2.3	8
100	Molecular Biomarkers and Epidemiologic Risk Assessment. <i>Human and Ecological Risk Assessment (HERA)</i> , 2002, 8, 1295-1301.	3.4	7
101	Development and collection efficiency of an electrostatic precipitator for in-vitro toxicity studies of nano- and submicron-sized aerosols. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 72, 1-9.	5.3	7
102	Decreased Lung Function Associated With Occupational Exposure to Epichlorohydrin and the Modification Effects of Glutathione S-Transferase Polymorphisms. <i>Journal of Occupational and Environmental Medicine</i> , 2004, 46, 280-286.	1.7	6
103	The association between postpartum depression and air pollution during pregnancy and postpartum period: a national population study in Taiwan. <i>Environmental Research Letters</i> , 2021, 16, 084021.	5.2	6
104	Pulmonary function abnormality and respiratory tract irritation symptoms in epichlorohydrin-exposed workers in Taiwan. <i>American Journal of Industrial Medicine</i> , 2003, 43, 440-446.	2.1	5
105	Association of aspirin with eosinophilia in peripheral blood. <i>Annals of Pharmacotherapy</i> , 2004, 38, 2172-2173.	1.9	5
106	White matter pathology in alzheimer's transgenic mice with chronic exposure to low-level ambient fine particulate matter. <i>Particle and Fibre Toxicology</i> , 2022, 19, .	6.2	5
107	Lipid changes in extrapulmonary organs and serum of rats after chronic exposure to ambient fine particulate matter. <i>Science of the Total Environment</i> , 2021, 784, 147018.	8.0	4
108	Association Between Smoking, Acetaldehyde Dehydrogenase-2 1-1 Status, and Alcohol Drinking Among Taiwanese Polyvinyl Chloride Workers. <i>Journal of Occupational and Environmental Medicine</i> , 2001, 43, 701-705.	1.7	3

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109	Allergen exposure induces adipose tissue inflammation and insulin resistance. <i>International Immunopharmacology</i> , 2014, 23, 104-112.	3.8	3
110	Comparative Proteomic Analysis of Rat Bronchoalveolar Lavage Fluid after Exposure to Zinc Oxide Nanoparticles. <i>Mass Spectrometry</i> , 2017, 6, S0066-S0066.	0.6	3
111	Distinct brain lipid signatures in response to low-level PM2.5 exposure in a 3xTg-Alzheimer's disease mouse inhalation model. <i>Science of the Total Environment</i> , 2022, 838, 156456.	8.0	2
112	Effect of particle morphology on performance of an electrostatic air-liquid interface cell exposure system for nanotoxicology studies. <i>Nanotoxicology</i> , 2021, 15, 1-13.	3.0	1
113	Neuroinflammation in Low-Level PM2.5-Exposed Rats Illustrated by PET via an Improved Automated Produced [ <sup>18</sup> F]FEPPA: A Feasibility Study. <i>Molecular Imaging</i> , 2022, 2022, .	1.4	1
114	A partial likelihood-based two-dimensional multistate markov model with application to myocardial infarction and stroke recurrence. <i>Sankhya B</i> , 2020, , 1.	0.9	0