Tsun-Jen Cheng

List of Publications by Year
in descending order

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	Distinct brain lipid signatures in response to low-level PM2.5 exposure in a 3xTg-Alzheimer's disease mouse inhalation model. Science of the Total Environment, 2022, 838, 156456.	8.0	2
2	Neuroinflammation in Low-Level PM2.5-Exposed Rats Illustrated by PET via an Improved Automated Produced [¹⁸F]FEPPA: A Feasibility Study. Molecular Imaging, 2022, 2022, .	1.4	1
3	White matter pathology in alzheimerâ€™s transgenic mice with chronic exposure to low-level ambient fine particulate matter. Particle and Fibre Toxicology, 2022, 19, .	6.2	5
4	The association between postpartum depression and air pollution during pregnancy and postpartum period: a national population study in Taiwan. Environmental Research Letters, 2021, 16, 084021.	5.2	6
5	Three month inhalation exposure to low-level PM2.5 induced brain toxicity in an Alzheimerâ€™s disease mouse model. PLoS ONE, 2021, 16, e0254587.	2.5	23
6	Lipid changes in extrapulmonary organs and serum of rats after chronic exposure to ambient fine particulate matter. Science of the Total Environment, 2021, 784, 147018.	8.0	4
7	Effect of particle morphology on performance of an electrostatic airâ€“liquid interface cell exposure system for nanotoxicology studies. Nanotoxicology, 2021, 15, 1-13.	3.0	1
8	Brain lipid profiles in the spontaneously hypertensive rat after subchronic real-world exposure to ambient fine particulate matter. Science of the Total Environment, 2020, 707, 135603.	8.0	17
9	Neuropathology changed by 3- and 6-months low-level PM2.5 inhalation exposure in spontaneously hypertensive rats. Particle and Fibre Toxicology, 2020, 17, 59.	6.2	20
10	A partial likelihood-based two-dimensional multistate markov model with application to myocardial infarction and stroke recurrence. Sankhya B, 2020, , 1.	0.9	0
11	Microglial activation and inflammation caused by traffic-related particulate matter. Chemico-Biological Interactions, 2019, 311, 108762.	4.0	44
12	The effect of the inhalation of and topical exposure to zinc oxide nanoparticles on airway inflammation in mice. Toxicology and Applied Pharmacology, 2019, 384, 114787.	2.8	14
13	Particle toxicology and health - where are we?. Particle and Fibre Toxicology, 2019, 16, 19.	6.2	133
14	LC-MS-based lipidomics to examine acute rat pulmonary responses after nano- and fine-sized ZnO particle inhalation exposure. Nanotoxicology, 2018, 12, 439-452.	3.0	26
15	Association of ultrafine particles with cardiopulmonary health among adult subjects in the urban areas of northern Taiwan. Science of the Total Environment, 2018, 627, 211-215.	8.0	35
16	Effects of physical characteristics of carbon black on metabolic regulation in mice. Environmental Pollution, 2018, 232, 494-504.	7.5	11
17	Chronic pulmonary exposure to traffic-related fine particulate matter causes brain impairment in adult rats. Particle and Fibre Toxicology, 2018, 15, 44.	6.2	39
18	Development and collection efficiency of an electrostatic precipitator for in-vitro toxicity studies of nano- and submicron-sized aerosols. Journal of the Taiwan Institute of Chemical Engineers, 2017, 72, 1-9.	5.3	7

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19	Pulmonary pathobiology induced by zinc oxide nanoparticles in mice: A 24-hour and 28-day follow-up study. Toxicology and Applied Pharmacology, 2017, 327, 13-22.	2.8	18
20	Characterization of titanium dioxide nanoparticle removal in simulated drinking water treatment processes. Science of the Total Environment, 2017, 601-602, 886-894.	8.0	27
21	Alterations in cardiovascular function by particulate matter in rats using a crossover design. Environmental Pollution, 2017, 231, 812-820.	7.5	9
22	Regulation of fine particulate matter (PM2.5) in the Pacific Rim: perspectives from the APRU Global Health Program. Air Quality, Atmosphere and Health, 2017, 10, 1039-1049.	3.3	17
23	Association of temporal distribution of fine particulate matter with glucose homeostasis during pregnancy in women of Chiayi City, Taiwan. Environmental Research, 2017, 152, 81-87.	7.5	41
24	Sustained renal inflammation following 2 weeks of inhalation of occupationally relevant levels of zinc oxide nanoparticles in Sprague Dawley rats. Journal of Toxicologic Pathology, 2017, 30, 307-314.	0.7	17
25	Comparative Proteomic Analysis of Rat Bronchoalveolar Lavage Fluid after Exposure to Zinc Oxide Nanoparticles. Mass Spectrometry, 2017, 6, S0066-S0066.	0.6	3
26	The effect of size-segregated ambient particulate matter on Th1/Th2-like immune responses in mice. PLoS ONE, 2017, 12, e0173158.	2.5	45
27	The Associations Between Long Working Hours, Physical Inactivity, and Burnout. Journal of Occupational and Environmental Medicine, 2016, 58, 514-518.	1.7	89
28	Concurrent quantification of multiple biomarkers indicative of oxidative stress status using liquid chromatography-tandem mass spectrometry. Analytical Biochemistry, 2016, 512, 26-35.	2.4	50
29	Chemical composition and bioreactivity of PM2.5 during 2013 haze events in China. Atmospheric Environment, 2016, 126, 162-170.	4.1	71
30	NMR-based metabolomics to determine acute inhalation effects of nano- and fine-sized ZnO particles in the rat lung. Nanotoxicology, 2016, 10, 924-934.	3.0	48
31	Increased night duty loading of physicians caused elevated blood pressure and sympathetic tones in a dose-dependent manner. International Archives of Occupational and Environmental Health, 2016, 89, 413-423.	2.3	8
32	Chronic exposure to particulate matter and risk of cardiovascular mortality: cohort study from Taiwan. BMC Public Health, 2015, 15, 936.	2.9	47
33	Zinc oxide nanoparticles induce eosinophilic airway inflammation in mice. Journal of Hazardous Materials, 2015, 297, 304-312.	12.4	52
34	Surface area as a dose metric for carbon black nanoparticles: A study of oxidative stress, DNA single-strand breakage and inflammation in rats. Atmospheric Environment, 2015, 106, 329-334.	4.1	14
35	Effects of non-protein-type amino acids of fine particulate matter on E-cadherin and inflammatory responses in mice. Toxicology Letters, 2015, 237, 174-180.	0.8	18
36	Effects of particulate air pollution and ozone on lung function in non-asthmatic children. Environmental Research, 2015, 137, 40-48.	7.5	88

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37	Cardiopulmonary toxicity of pulmonary exposure to occupationally relevant zinc oxide nanoparticles. Nanotoxicology, 2014, 8, 593-604.	3.0	112
38	Changes in protein expression in rat bronchoalveolar lavage fluid after exposure to zinc oxide nanoparticles: an iTRAQ proteomic approach. Rapid Communications in Mass Spectrometry, 2014, 28, 974-980.	1.5	25
39	Subchronic effects of inhaled ambient particulate matter on glucose homeostasis and target organ damage in a type 1 diabetic rat model. Toxicology and Applied Pharmacology, 2014, 281, 211-220.	2.8	69
40	Alterations in rat pulmonary phosphatidylcholines after chronic exposure to ambient fine particulate matter. Molecular BioSystems, 2014, 10, 3163-3169.	2.9	33
41	Allergen exposure induces adipose tissue inflammation and insulin resistance. International Immunopharmacology, 2014, 23, 104-112.	3.8	3
42	Physicochemical and biological characterization of single-walled and double-walled carbon nanotubes in biological media. Journal of Hazardous Materials, 2014, 280, 216-225.	12.4	15
43	Characterization of the interactions between protein and carbon black. Journal of Hazardous Materials, 2014, 264, 127-135.	12.4	19
44	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. Toxicology and Applied Pharmacology, 2013, 266, 329-334.	2.8	34
45	Public attitudes toward nanotechnology applications in Taiwan. Technovation, 2013, 33, 88-96.	7.8	50
46	Nickel-regulated heart rate variability: The roles of oxidative stress and inflammation. Toxicology and Applied Pharmacology, 2013, 266, 298-306.	2.8	32
47	Risks Perception of Electromagnetic Fields in Taiwan: The Influence of Psychopathology and the Degree of Sensitivity to Electromagnetic Fields. Risk Analysis, 2013, 33, 2002-2012.	2.7	10
48	Comparative proteomics of inhaled silver nanoparticles in healthy and allergen provoked mice. International Journal of Nanomedicine, 2013, 8, 2783.	6.7	30
49	Allergenicity and toxicology of inhaled silver nanoparticles in allergen-provocation mice models. International Journal of Nanomedicine, 2013, 8, 4495.	6.7	43
50	The Association of Ambient Air Pollution With Airway Inflammation in Schoolchildren. American Journal of Epidemiology, 2012, 175, 764-774.	3.4	38
51	Zinc Oxide Nanoparticles Interfere With Zinc Ion Homeostasis to Cause Cytotoxicity. Toxicological Sciences, 2012, 125, 462-472.	3.1	247
52	Demonstration of an Olfactory Bulbâ€“Brain Translocation Pathway for ZnO Nanoparticles in Rodent Cells In Vitro and In Vivo. Journal of Molecular Neuroscience, 2012, 48, 464-471.	2.3	115
53	Spatiotemporal modeling with temporal-invariant variogram subgroups to estimate fine particulate matter PM2.5 concentrations. Atmospheric Environment, 2012, 54, 1-8.	4.1	25
54	Enhanced insulin resistance in diet-induced obese rats exposed to fine particles by instillation. Inhalation Toxicology, 2011, 23, 507-519.	1.6	47

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55	Prevalence and psychiatric comorbidity of self-reported electromagnetic field sensitivity in Taiwan: A population-based study. Journal of the Formosan Medical Association, 2011, 110, 634-641.	1.7	40
56	Pulmonary toxicity of inhaled nanoscale and fine zinc oxide particles: Mass and surface area as an exposure metric. Inhalation Toxicology, 2011, 23, 947-956.	1.6	88
57	Long-term air pollution exposure and risk factors for cardiovascular diseases among the elderly in Taiwan. Occupational and Environmental Medicine, 2011, 68, 64-68.	2.8	242
58	Mortality from liver cancer and leukaemia among polyvinyl chloride workers in Taiwan: an updated study. Occupational and Environmental Medicine, 2011, 68, 120-125.	2.8	18
59	Effects of Ambient Particulate Matter and Fungal Spores on Lung Function in Schoolchildren. Pediatrics, 2011, 127, e690-e698.	2.1	22
60	Global Magnitude of Reported and Unreported Mesothelioma. Environmental Health Perspectives, 2011, 119, 514-518.	6.0	182
61	Effect of Air Pollution on Blood Pressure, Blood Lipids, and Blood Sugar: A Population-Based Approach. Journal of Occupational and Environmental Medicine, 2010, 52, 258-262.	1.7	147
62	Zinc oxide particles induce inflammatory responses in vascular endothelial cells via NF-Î²B signaling. Journal of Hazardous Materials, 2010, 183, 182-188.	12.4	60
63	Acute cardiac dysfunction after short-term diesel exhaust particles exposure. Toxicology Letters, 2010, 192, 349-355.	0.8	33
64	N-acetylcysteine attenuates noise-induced permanent hearing loss in diabetic rats. Hearing Research, 2010, 267, 71-77.	2.0	37
65	Chronological changes in compromised olivocochlear activity and the effect of insulin in diabetic Wistar rats. Hearing Research, 2010, 270, 173-178.	2.0	9
66	Diabetes impairs recovery from noiseâ€induced temporary hearing loss. Laryngoscope, 2009, 119, 1190-1194.	2.0	13
67	Effects of Diesel Exhaust Particles on Left Ventricular Function in Isoproterenol-Induced Myocardial Injury and Healthy Rats. Inhalation Toxicology, 2008, 20, 199-203.	1.6	21
68	Effects of Concentrated Ambient Particles on Heart Rate, Blood Pressure, and Cardiac Contractility in Spontaneously Hypertensive Rats During a Dust Storm Event. Inhalation Toxicology, 2007, 19, 973-978.	1.6	18
69	Interaction Effects of Ultrafine Carbon Black with Iron and Nickel on Heart Rate Variability in Spontaneously Hypertensive Rats. Environmental Health Perspectives, 2007, 115, 1012-1017.	6.0	27
70	Job categories and acute ischemic heart disease: a hospital-based, case-control study in Taiwan. American Journal of Industrial Medicine, 2007, 50, 409-414.	2.1	15
71	Effect of the CYP2E1 genotype on vinyl chloride monomer-induced liver fibrosis among polyvinyl chloride workers. Toxicology, 2007, 239, 34-44.	4.2	20
72	Aerosol characteristics from the Taiwan aerosol supersite in the Asian yellow-dust periods of 2002. Atmospheric Environment, 2006, 40, 3409-3418.	4.1	56

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73	Effects of Concentrated Ambient Particles on Heart Rate Variability in Spontaneously Hypertensive Rats. Journal of Occupational Health, 2005, 47, 471-480.	2.1	22
74	Prolonged menstrual cycles in female workers exposed to ethylene glycol ethers in the semiconductor manufacturing industry. Occupational and Environmental Medicine, 2005, 62, 510-516.	2.8	46
75	Abnormal liver function associated with occupational exposure to dimethylformamide and glutathioneS-transferase polymorphisms. Biomarkers, 2005, 10, 464-474.	1.9	31
76	Enhanced oxidative stress and endothelial dysfunction in streptozotocin-diabetic rats exposed to fine particles. Environmental Research, 2005, 99, 335-343.	7.5	64
77	Association of aspirin with eosinophilia in peripheral blood. Annals of Pharmacotherapy, 2004, 38, 2172-2173.	1.9	5
78	Effects of Concentrated Ambient Particles on Airway Responsiveness and Pulmonary Inflammation in Pulmonary Hypertensive Rats. Inhalation Toxicology, 2004, 16, 785-792.	1.6	10
79	Effects of Concentrated Ambient Particles on Heart Rate, Blood Pressure, and Cardiac Contractility in Spontaneously Hypertensive Rats. Inhalation Toxicology, 2004, 16, 421-429.	1.6	47
80	DNA single strand breaks in peripheral lymphocytes associated with urinary thiodiglycolic acid levels in polyvinyl chloride workers. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2004, 561, 119-126.	1.7	18
81	Effects of Asian dust event particles on inflammation markers in peripheral blood and bronchoalveolar lavage in pulmonary hypertensive rats. Environmental Research, 2004, 95, 71-76.	7.5	116
82	Decreased Lung Function Associated With Occupational Exposure to Epichlorohydrin and the Modification Effects of Glutathione S-Transferase Polymorphisms. Journal of Occupational and Environmental Medicine, 2004, 46, 280-286.	1.7	6
83	Liver Fibrosis in Asymptomatic Polyvinyl Chloride Workers. Journal of Occupational and Environmental Medicine, 2004, 46, 962-966.	1.7	36
84	XRCC1 , CYP2E1 and ALDH2 genetic polymorphisms and sister chromatid exchange frequency alterations amongst vinyl chloride monomer-exposed polyvinyl chloride workers. Archives of Toxicology, 2003, 77, 433-440.	4.2	22
85	Molecular epidemiology of plasma oncoproteins in vinyl chloride monomer workers in Taiwan. Cancer Detection and Prevention, 2003, 27, 94-101.	2.1	17
86	Pulmonary function abnormality and respiratory tract irritation symptoms in epichlorohydrin-exposed workers in Taiwan. American Journal of Industrial Medicine, 2003, 43, 440-446.	2.1	5
87	Effects of ozone on DNA single-strand breaks and 8-oxoguanine formation in A549 cells. Environmental Research, 2003, 93, 279-284.	7.5	51
88	A population-based study on the immediate and prolonged effects of the 1999 Taiwan earthquake on mortality. Annals of Epidemiology, 2003, 13, 502-508.	1.9	57
89	Association of hepatitis virus infection, alcohol consumption and plasma vitamin A levels with urinary 8-hydroxydeoxyguanosine in chemical workers. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2003, 535, 181-186.	1.7	38
90	Synergistic effect of hepatitis virus infection and occupational exposures to vinyl chloride monomer and ethylene dichloride on serum aminotransferase activity. Occupational and Environmental Medicine, 2003, 60, 774-778.	2.8	13

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91	Interaction of Vinyl Chloride Monomer Exposure and Hepatitis B Viral Infection on Liver Cancer. Journal of Occupational and Environmental Medicine, 2003, 45, 379-383.	1.7	25
92	Association Between Dioxins/Furans Exposures and Incinerator Workersâ€™ Hepatic Function and Blood Lipids. Journal of Occupational and Environmental Medicine, 2003, 45, 601-608.	1.7	23
93	Effects of concentrated ambient particles on heart rate and blood pressure in pulmonary hypertensive rats.. Environmental Health Perspectives, 2003, 111, 147-150.	6.0	51
94	An increased standardised mortality ratio for liver cancer among polyvinyl chloride workers in Taiwan. Occupational and Environmental Medicine, 2002, 59, 405-409.	2.8	43
95	Prolonged Time to Pregnancy in Female Workers Exposed to Ethylene Glycol Ethers in Semiconductor Manufacturing. Epidemiology, 2002, 13, 191-196.	2.7	55
96	Molecular Biomarkers and Epidemiologic Risk Assessment. Human and Ecological Risk Assessment (HERA), 2002, 8, 1295-1301.	3.4	7
97	Effects on sister chromatid exchange frequency of polymorphisms in DNA repair gene XRCC1 in smokers. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 519, 93-101.	1.7	97
98	Why can't Chinese Han drink alcohol? Hepatitis B virus infection and the evolution of acetaldehyde dehydrogenase deficiency. Medical Hypotheses, 2002, 59, 204-207.	1.5	28
99	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. Cancer Epidemiology Biomarkers and Prevention, 2002, 11, 475-82.	2.5	20
100	Association Between Smoking, Acetaldehyde Dehydrogenase-2 1-1 Status, and Alcohol Drinking Among Taiwanese Polyvinyl Chloride Workers. Journal of Occupational and Environmental Medicine, 2001, 43, 701-705.	1.7	3
101	Urinary Thiodiglycolic Acid Levels for Vinyl Chloride Monomer-Exposed Polyvinyl Chloride Workers. Journal of Occupational and Environmental Medicine, 2001, 43, 934-938.	1.7	30
102	Exposure to solvents in a synthetic leather manufacturing plant. International Archives of Occupational and Environmental Health, 2000, 73, 275-280.	2.3	20
103	Dimethylacetamide, Ethylenediamine, and Diphenylmethane Diisocyanate Poisoning Manifest as Acute Psychosis and Pulmonary Edema: Treatment with Hemoperfusion. Journal of Toxicology: Clinical Toxicology, 2000, 38, 429-433.	1.5	9
104	Increased lymphocyte sister chromatid exchange frequency in workers with exposure to low level of ethylene dichloride. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 470, 109-114.	1.7	9
105	Exposure to epichlorohydrin and dimethylformamide, glutathione S-transferases and sister chromatid exchange frequencies in peripheral lymphocytes. Archives of Toxicology, 1999, 73, 282-287.	4.2	30
106	Plasma p53 Protein and Anti-p53 Antibody Expression in Vinyl Chloride Monomer Workers in Taiwan. Journal of Occupational and Environmental Medicine, 1999, 41, 521-526.	1.7	18
107	Abnormal Liver Function in Workers Exposed to Low Levels of Ethylene Dichloride and Vinyl Chloride Monomer. Journal of Occupational and Environmental Medicine, 1999, 41, 1128-1133.	1.7	15
108	Effects on sister chromatid exchange frequency of aldehyde dehydrogenase 2 genotype and smoking in vinyl chloride workers. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1998, 420, 99-107.	1.7	43

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109	Plasma Asp13-Ki-ras Oncoprotein Expression in Vinyl Chloride Monomer Workers in Taiwan. Journal of Occupational and Environmental Medicine, 1998, 40, 1053-1058.	1.7	10
110	The GST T1 and CYP2E1 genotypes are possible factors causing vinyl chloride induced abnormal liver function. Archives of Toxicology, 1997, 71, 482-488.	4.2	55
111	Increased micronucleus frequency in lymphocytes from smokers with lung cancer. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 349, 43-50.	1.0	39
112	Mutant frequency at the hprt locus in human lymphocytes in a case-control study of lung cancer. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1995, 332, 109-118.	1.0	16
113	Comparison of sister chromatid exchange frequency in peripheral lymphocytes in lung cancer cases and controls. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1995, 348, 75-82.	1.1	30
114	Ethnic differences in the prevalence of the homozygous deleted genotype of glutathione S-transferase theta. Carcinogenesis, 1995, 16, 1243-1246.	2.8	316