

# Jiu-Chiuan Chen

## List of Publications by Year in descending order

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Version: 2024-02-01

77  
papers

3,722  
citations

172457

29  
h-index

133252

59  
g-index

82  
all docs

82  
docs citations

82  
times ranked

4663  
citing authors

#	ARTICLE	IF	CITATIONS
1	The outdoor air pollution and brain health workshop. <i>NeuroToxicology</i> , 2012, 33, 972-984.	3.0	422
2	Neurobehavioral effects of ambient air pollution on cognitive performance in US adults. <i>NeuroToxicology</i> , 2009, 30, 231-239.	3.0	253
3	Components of air pollution and cognitive function in middle-aged and older adults in Los Angeles. <i>NeuroToxicology</i> , 2014, 40, 1-7.	3.0	207
4	Ambient air pollution and neurotoxicity on brain structure: Evidence from women's health initiative memory study. <i>Annals of Neurology</i> , 2015, 78, 466-476.	5.3	193
5	Glutamatergic Neurons in Rodent Models Respond to Nanoscale Particulate Urban Air Pollutants <i>in Vivo</i> and <i>in Vitro</i> . <i>Environmental Health Perspectives</i> , 2011, 119, 1003-1009.	6.0	174
6	Sleep Duration and Risk of Ischemic Stroke in Postmenopausal Women. <i>Stroke</i> , 2008, 39, 3185-3192.	2.0	159
7	Sleep duration, cognitive decline, and dementia risk in older women. <i>Alzheimer's and Dementia</i> , 2016, 12, 21-33.	0.8	156
8	Metabolic Syndrome and Inflammatory Responses to Long-Term Particulate Air Pollutants. <i>Environmental Health Perspectives</i> , 2008, 116, 612-617.	6.0	148
9	GIS Approaches for the Estimation of Residential-Level Ambient PM Concentrations. <i>Environmental Health Perspectives</i> , 2006, 114, 1374-1380.	6.0	140
10	Particulate matter and episodic memory decline mediated by early neuroanatomic biomarkers of Alzheimer's disease. <i>Brain</i> , 2020, 143, 289-302.	7.6	126
11	Interactive spatiotemporal modelling of health systems: the SEKS-GUI framework. <i>Stochastic Environmental Research and Risk Assessment</i> , 2007, 21, 555-572.	4.0	95
12	Ambient Air Pollution Exposures and Risk of Parkinson Disease. <i>Environmental Health Perspectives</i> , 2016, 124, 1759-1765.	6.0	87
13	A Voxel-Based Morphometry Study Reveals Local Brain Structural Alterations Associated with Ambient Fine Particles in Older Women. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 495.	2.0	87
14	Associations of Occupational Tasks with Knee and Hip Osteoarthritis: The Johnston County Osteoarthritis Project. <i>Journal of Rheumatology</i> , 2010, 37, 842-850.	2.0	75
15	Fine particulate matter exposure during childhood relates to hemispheric-specific differences in brain structure. <i>Environment International</i> , 2020, 143, 105933.	10.0	65
16	Obesity Is A Modifier of Autonomic Cardiac Responses to Fine Metal Particulates. <i>Environmental Health Perspectives</i> , 2007, 115, 1002-1006.	6.0	60
17	Associations of gestational diabetes mellitus with residential air pollution exposure in a large Southern California pregnancy cohort. <i>Environment International</i> , 2019, 130, 104933.	10.0	57
18	BME Estimation of Residential Exposure to Ambient PM $<sub>10</sub>$ and Ozone at Multiple Time Scales. <i>Environmental Health Perspectives</i> , 2009, 117, 537-544.	6.0	52

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19	Associations between green space and preterm birth: Windows of susceptibility and interaction with air pollution. <i>Environment International</i> , 2020, 142, 105804.	10.0	49
20	Association of Local Variation in Neighborhood Disadvantage in Metropolitan Areas With Youth Neurocognition and Brain Structure. <i>JAMA Pediatrics</i> , 2021, 175, e210426.	6.2	48
21	Exposure to air pollutant mixture and gestational diabetes mellitus in Southern California: Results from electronic health record data of a large pregnancy cohort. <i>Environment International</i> , 2022, 158, 106888.	10.0	45
22	Vascular Function, Inflammation, and Variations in Cardiac Autonomic Responses to Particulate Matter Among Welders. <i>American Journal of Epidemiology</i> , 2009, 169, 848-856.	3.4	42
23	Sex-specific associations of autism spectrum disorder with residential air pollution exposure in a large Southern California pregnancy cohort. <i>Environmental Pollution</i> , 2019, 254, 113010.	7.5	41
24	Outdoor Air Pollution and Brain Structure and Function From Across Childhood to Young Adulthood: A Methodological Review of Brain MRI Studies. <i>Frontiers in Public Health</i> , 2019, 7, 332.	2.7	41
25	Prenatal Exposure to Air Pollution and Autism Spectrum Disorder: Sensitive Windows of Exposure and Sex Differences. <i>Environmental Health Perspectives</i> , 2022, 130, 17008.	6.0	41
26	Using "Exposure Prediction Rules" for Exposure Assessment. <i>Epidemiology</i> , 2004, 15, 293-299.	2.7	40
27	Association of Visual Impairment With Risk of Incident Dementia in a Women's Health Initiative Population. <i>JAMA Ophthalmology</i> , 2020, 138, 624.	2.5	39
28	Using high-dimensional machine learning methods to estimate an anatomical risk factor for Alzheimer's disease across imaging databases. <i>NeuroImage</i> , 2018, 183, 401-411.	4.2	38
29	Night Heart Rate Variability and Particulate Exposures among Boilermaker Construction Workers. <i>Environmental Health Perspectives</i> , 2007, 115, 1046-1051.	6.0	36
30	Longitudinal Analysis of Particulate Air Pollutants and Adolescent Delinquent Behavior in Southern California. <i>Journal of Abnormal Child Psychology</i> , 2018, 46, 1283-1293.	3.5	36
31	Examining the joint effects of heatwaves, air pollution, and green space on the risk of preterm birth in California. <i>Environmental Research Letters</i> , 2020, 15, 104099.	5.2	33
32	Exposure to fine particulate matter and temporal dynamics of episodic memory and depressive symptoms in older women. <i>Environment International</i> , 2020, 135, 105196.	10.0	31
33	Gestational diabetes mellitus, prenatal air pollution exposure, and autism spectrum disorder. <i>Environment International</i> , 2019, 133, 105110.	10.0	30
34	Personal Coronary Risk Profiles Modify Autonomic Nervous System Responses to Air Pollution. <i>Journal of Occupational and Environmental Medicine</i> , 2006, 48, 1133-1142.	1.7	29
35	The moving-window Bayesian maximum entropy framework: estimation of PM2.5 yearly average concentration across the contiguous United States. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2012, 22, 496-501.	3.9	29
36	Seat inclination, use of lumbar support and low-back pain of taxi drivers. <i>Scandinavian Journal of Work, Environment and Health</i> , 2005, 31, 258-265.	3.4	28

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37	Racial Differences in Knee Osteoarthritis Pain: Potential Contribution of Occupational and Household Tasks. <i>Journal of Rheumatology</i> , 2012, 39, 337-344.	2.0	26
38	Socioeconomic disparities and sexual dimorphism in neurotoxic effects of ambient fine particles on youth IQ: A longitudinal analysis. <i>PLoS ONE</i> , 2017, 12, e0188731.	2.5	22
39	Air Pollution Particulate Matter Exposure and Chronic Cerebral Hypoperfusion and Measures of White Matter Injury in a Murine Model. <i>Environmental Health Perspectives</i> , 2021, 129, 87006.	6.0	22
40	Whole blood lead levels are associated with radiographic and symptomatic knee osteoarthritis: a cross-sectional analysis in the Johnston County Osteoarthritis Project. <i>Arthritis Research and Therapy</i> , 2011, 13, R37.	3.5	21
41	PM <sub>2.5</sub> Associated With Gray Matter Atrophy Reflecting Increased Alzheimer Risk in Older Women. <i>Neurology</i> , 2021, 96, .	1.1	19
42	Adopting a "Compound-Exposome" Approach in Environmental Aging Biomarker Research: A Call to Action for Advancing Racial Health Equity. <i>Environmental Health Perspectives</i> , 2021, 129, 45001.	6.0	19
43	Association between blood pressure levels and cognitive impairment in older women: a prospective analysis of the Women's Health Initiative Memory Study. <i>The Lancet Healthy Longevity</i> , 2022, 3, e42-e53.	4.6	19
44	Air quality improvement and cognitive decline in community-dwelling older women in the United States: A longitudinal cohort study. <i>PLoS Medicine</i> , 2022, 19, e1003893.	8.4	19
45	Whole blood lead levels are associated with biomarkers of joint tissue metabolism in African American and white men and women: The Johnston County Osteoarthritis Project. <i>Environmental Research</i> , 2011, 111, 1208-1214.	7.5	18
46	Constrained Mixed-Effect Models with Ensemble Learning for Prediction of Nitrogen Oxides Concentrations at High Spatiotemporal Resolution. <i>Environmental Science &amp; Technology</i> , 2017, 51, 9920-9929.	10.0	18
47	Relations of magnesium intake to cognitive impairment and dementia among participants in the Women's Health Initiative Memory Study: a prospective cohort study. <i>BMJ Open</i> , 2019, 9, e030052.	1.9	18
48	In utero exposure to near-roadway air pollution and autism spectrum disorder in children. <i>Environment International</i> , 2022, 158, 106898.	10.0	18
49	Association of Outdoor Ambient Fine Particulate Matter With Intracellular White Matter Microstructural Properties Among Children. <i>JAMA Network Open</i> , 2021, 4, e2138300.	5.9	18
50	Air pollution and suicide risk: another adverse effect of air pollution?. <i>European Journal of Epidemiology</i> , 2017, 32, 943-946.	5.7	16
51	Particulate Air Pollutants and Trajectories of Depressive Symptoms in Older Women. <i>American Journal of Geriatric Psychiatry</i> , 2019, 27, 1083-1096.	1.2	16
52	Association of improved air quality with lower dementia risk in older women. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	16
53	Evidence of susceptibility to autism risks associated with early life ambient air pollution: A systematic review. <i>Environmental Research</i> , 2022, 208, 112590.	7.5	16
54	Erythrocyte omega-3 index, ambient fine particle exposure, and brain aging. <i>Neurology</i> , 2020, 95, e995-e1007.	1.1	15

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55	Adherence to a MIND-Like Dietary Pattern, Long-Term Exposure to Fine Particulate Matter Air Pollution, and MRI-Based Measures of Brain Volume: The Women's Health Initiative Memory Study-MRI. <i>Environmental Health Perspectives</i> , 2021, 129, 127008.	6.0	14
56	Source characterization and exposure modeling of gas-phase polycyclic aromatic hydrocarbon (PAH) concentrations in Southern California. <i>Atmospheric Environment</i> , 2018, 177, 175-186.	4.1	13
57	Air Pollution and the Dynamic Association Between Depressive Symptoms and Memory in Oldest-Old Women. <i>Journal of the American Geriatrics Society</i> , 2021, 69, 474-484.	2.6	13
58	Outdoor air pollution exposure and inter-relation of global cognitive performance and emotional distress in older women. <i>Environmental Pollution</i> , 2021, 271, 116282.	7.5	13
59	Association of Epigenetic Age Acceleration With Incident Mild Cognitive Impairment and Dementia Among Older Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 1239-1244.	3.6	13
60	General and domain-specific cognitive reserve, mild cognitive impairment, and dementia risk in older women. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2019, 5, 118-128.	3.7	10
61	Ambient air pollution exposure and increasing depressive symptoms in older women: The mediating role of the prefrontal cortex and insula. <i>Science of the Total Environment</i> , 2022, 823, 153642.	8.0	10
62	Trajectories of Relative Performance with 2 Measures of Global Cognitive Function. <i>Journal of the American Geriatrics Society</i> , 2018, 66, 1575-1580.	2.6	9
63	Associations of Coffee and Tea Consumption With Survival to Age 90+ Years Among Older Women. <i>Journal of the American Geriatrics Society</i> , 2020, 68, 1970-1978.	2.6	8
64	Association of sleep disturbance with Parkinson disease. <i>Menopause</i> , 2022, Publish Ahead of Print, .	2.0	6
65	B vitamin intakes modify the association between particulate air pollutants and incidence of all-cause dementia: Findings from the Women's Health Initiative Memory Study. <i>Alzheimer's and Dementia</i> , 2022, 18, 2188-2198.	0.8	6
66	Elevated serum liver enzymes and fatty liver changes associated with long driving among taxi drivers. <i>American Journal of Industrial Medicine</i> , 2011, 54, 618-627.	2.1	5
67	Ambient Air Pollution and Long-Term Trajectories of Episodic Memory Decline among Older Women in the WHIMS-ECHO Cohort. <i>Environmental Health Perspectives</i> , 2021, 129, 97009.	6.0	5
68	Association of Global Cognitive Function With Psychological Distress and Adherence to Public Health Recommendations During the Coronavirus Disease 2019 Pandemic: The Women's Health Initiative. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, S42-S50.	3.6	5
69	Associations Between Air Pollution Exposure and Empirically Derived Profiles of Cognitive Performance in Older Women. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 1691-1707.	2.6	4
70	Associations of Hearing Loss and Menopausal Hormone Therapy With Change in Global Cognition and Incident Cognitive Impairment Among Postmenopausal Women. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2020, 75, 537-544.	3.6	3
71	Ozone and Particulate Matter Exposure and Alzheimer's Disease: A Review of Human and Animal Studies. <i>Journal of Alzheimer's Disease</i> , 2020, 76, 807-824.	2.6	3
72	O4-08-01: PARTICULATE AIR POLLUTANTS AND WHITE MATTER BRAIN AGING. , 2014, 10, P266-P266.		1

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73	Investigating Predictors of Preserved Cognitive Function in Older Women Using Machine Learning: Women's Health Initiative Memory Study. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 1-12.	2.6	1
74	Language and Memory Reserve Mediate Protective Effects of Social Support on MCI or Dementia Risk in Older Women. <i>Innovation in Aging</i> , 2020, 4, 473-473.	0.1	1
75	P4-332: GEOGRAPHIC DISPARITIES OF DEMENTIA RISK IN U.S. WOMEN: EVIDENCE FROM THE WHI MEMORY STUDY. , 2014, 10, P908-P908.		0
76	Prenatal Air Pollution, Maternal Immune Activation, and Autism Spectrum Disorders. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
77	The relationship between optimism, MCI, and dementia among postmenopausal women. <i>Aging and Mental Health</i> , 2023, 27, 1208-1216.	2.8	0