

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 relationship between optimism, MCI, and dementia among postmenopausal women. <i>Aging and Mental Health</i> , 2023, 27, 1208-1216.	2.8	0
2	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
3	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
4	In utero exposure to near-roadway air pollution and autism spectrum disorder in children. <i>Environment International</i> , 2022, 158, 106898.	10.0	18
5	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
6	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
7	Association of sleep disturbance with Parkinson disease. <i>Menopause</i> , 2022, Publish Ahead of Print, .	2.0	6
8	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
9	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
10	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
11	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
12	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
13	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
14	PM _{2.5} Associated With Gray Matter Atrophy Reflecting Increased Alzheimer Risk in Older Women. <i>Neurology</i> , 2021, 96, .	1.1	19
15	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
16	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
17	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
18	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

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19	Prenatal Air Pollution, Maternal Immune Activation, and Autism Spectrum Disorders. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
20	Air Pollution Particulate Matter Exposure and Chronic Cerebral Hypoperfusion and Measures of White Matter Injury in a Murine Model. Environmental Health Perspectives, 2021, 129, 87006.	6.0	22
21	Ambient Air Pollution and Long-Term Trajectories of Episodic Memory Decline among Older Women in the WHIMS-ECHO Cohort. Environmental Health Perspectives, 2021, 129, 97009.	6.0	5
22	Investigating Predictors of Preserved Cognitive Function in Older Women Using Machine Learning: Women's Health Initiative Memory Study. Journal of Alzheimer's Disease, 2021, 84, 1-12.	2.6	1
23	Associations Between Air Pollution Exposure and Empirically Derived Profiles of Cognitive Performance in Older Women. Journal of Alzheimer's Disease, 2021, 84, 1691-1707.	2.6	4
24	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. Environmental Health Perspectives, 2021, 129, 127008.	6.0	14
25	Association of Outdoor Ambient Fine Particulate Matter With Intracellular White Matter Microstructural Properties Among Children. JAMA Network Open, 2021, 4, e2138300.	5.9	18
26	Associations of Hearing Loss and Menopausal Hormone Therapy With Change in Global Cognition and Incident Cognitive Impairment Among Postmenopausal Women. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2020, 75, 537-544.	3.6	3
27	Exposure to fine particulate matter and temporal dynamics of episodic memory and depressive symptoms in older women. Environment International, 2020, 135, 105196.	10.0	31
28	Particulate matter and episodic memory decline mediated by early neuroanatomic biomarkers of Alzheimer's disease. Brain, 2020, 143, 289-302.	7.6	126
29	Erythrocyte omega-3 index, ambient fine particle exposure, and brain aging. Neurology, 2020, 95, e995-e1007.	1.1	15
30	Fine particulate matter exposure during childhood relates to hemispheric-specific differences in brain structure. Environment International, 2020, 143, 105933.	10.0	65
31	Ozone and Particulate Matter Exposure and Alzheimer's Disease: A Review of Human and Animal Studies. Journal of Alzheimer's Disease, 2020, 76, 807-824.	2.6	3
32	Associations between green space and preterm birth: Windows of susceptibility and interaction with air pollution. Environment International, 2020, 142, 105804.	10.0	49
33	Associations of Coffee and Tea Consumption With Survival to Age 90+ Years Among Older Women. Journal of the American Geriatrics Society, 2020, 68, 1970-1978.	2.6	8
34	Association of Visual Impairment With Risk of Incident Dementia in a Women's Health Initiative Population. JAMA Ophthalmology, 2020, 138, 624.	2.5	39
35	Examining the joint effects of heatwaves, air pollution, and green space on the risk of preterm birth in California. Environmental Research Letters, 2020, 15, 104099.	5.2	33
36	Language and Memory Reserve Mediate Protective Effects of Social Support on MCI or Dementia Risk in Older Women. Innovation in Aging, 2020, 4, 473-473.	0.1	1

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37	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
38	Gestational diabetes mellitus, prenatal air pollution exposure, and autism spectrum disorder. <i>Environment International</i> , 2019, 133, 105110.	10.0	30
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	Constrained Mixed-Effect Models with Ensemble Learning for Prediction of Nitrogen Oxides Concentrations at High Spatiotemporal Resolution. <i>Environmental Science & Technology</i> , 2017, 51, 9920-9929.	10.0	18
49	Air pollution and suicide risk: another adverse effect of air pollution?. <i>European Journal of Epidemiology</i> , 2017, 32, 943-946.	5.7	16
50	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
51	Ambient Air Pollution Exposures and Risk of Parkinson Disease. <i>Environmental Health Perspectives</i> , 2016, 124, 1759-1765.	6.0	87
52	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
53	Sleep duration, cognitive decline, and dementia risk in older women. <i>Alzheimer's and Dementia</i> , 2016, 12, 21-33.	0.8	156
54	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

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55	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
56	O4-08-01: PARTICULATE AIR POLLUTANTS AND WHITE MATTER BRAIN AGING. , 2014, 10, P266-P266.		1
57	P4-332: GEOGRAPHIC DISPARITIES OF DEMENTIA RISK IN U.S. WOMEN: EVIDENCE FROM THE WHI MEMORY STUDY. , 2014, 10, P908-P908.		0
58	The moving-window Bayesian maximum entropy framework: estimation of PM _{2.5} yearly average concentration across the contiguous United States. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2012, 22, 496-501.	3.9	29
59	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
60	The outdoor air pollution and brain health workshop. <i>NeuroToxicology</i> , 2012, 33, 972-984.	3.0	422
61	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
62	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
63	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
64	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
65	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
66	BME Estimation of Residential Exposure to Ambient PM ₁₀ and Ozone at Multiple Time Scales. <i>Environmental Health Perspectives</i> , 2009, 117, 537-544.	6.0	52
67	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
68	Neurobehavioral effects of ambient air pollution on cognitive performance in US adults. <i>NeuroToxicology</i> , 2009, 30, 231-239.	3.0	253
69	Metabolic Syndrome and Inflammatory Responses to Long-Term Particulate Air Pollutants. <i>Environmental Health Perspectives</i> , 2008, 116, 612-617.	6.0	148
70	Sleep Duration and Risk of Ischemic Stroke in Postmenopausal Women. <i>Stroke</i> , 2008, 39, 3185-3192.	2.0	159
71	Night Heart Rate Variability and Particulate Exposures among Boilermaker Construction Workers. <i>Environmental Health Perspectives</i> , 2007, 115, 1046-1051.	6.0	36
72	Obesity Is A Modifier of Autonomic Cardiac Responses to Fine Metal Particulates. <i>Environmental Health Perspectives</i> , 2007, 115, 1002-1006.	6.0	60

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73	Interactive spatiotemporal modelling of health systems: the SEKSâ€“GUI framework. Stochastic Environmental Research and Risk Assessment, 2007, 21, 555-572.	4.0	95
74	Personal Coronary Risk Profiles Modify Autonomic Nervous System Responses to Air Pollution. Journal of Occupational and Environmental Medicine, 2006, 48, 1133-1142.	1.7	29
75	GIS Approaches for the Estimation of Residential-Level Ambient PM Concentrations. Environmental Health Perspectives, 2006, 114, 1374-1380.	6.0	140
76	Seat inclination, use of lumbar support and low-back pain of taxi drivers. Scandinavian Journal of Work, Environment and Health, 2005, 31, 258-265.	3.4	28
77	Using â€œExposure Prediction Rulesâ€“for Exposure Assessment. Epidemiology, 2004, 15, 293-299.	2.7	40