

Mengling Liu

List of Publications by Year in descending order

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Version: 2024-02-01

106
papers

1,700
citations

279798

23
h-index

377865

34
g-index

111
all docs

111
docs citations

111
times ranked

2390
citing authors

#	ARTICLE	IF	CITATIONS
1	The King-Devick test of rapid number naming for concussion detection: meta-analysis and systematic review of the literature. <i>Concussion</i> , 2016, 1, CNC8.	1.0	118
2	Optimal intereye difference thresholds by optical coherence tomography in multiple sclerosis: An international study. <i>Annals of Neurology</i> , 2019, 85, 618-629.	5.3	104
3	Characteristics of a Residential and Working Community With Diverse Exposure to World Trade Center Dust, Gas, and Fumes. <i>Journal of Occupational and Environmental Medicine</i> , 2009, 51, 534-541.	1.7	64
4	Quantitative lung morphology: A semi-automated measurement of mean linear intercept. <i>BMC Pulmonary Medicine</i> , 2019, 19, 206.	2.0	64
5	Efficacy and Safety of COVID-19 Convalescent Plasma in Hospitalized Patients. <i>JAMA Internal Medicine</i> , 2022, 182, 115.	5.1	63
6	Elevated C-reactive protein and posttraumatic stress pathology among survivors of the 9/11 World Trade Center attacks. <i>Journal of Psychiatric Research</i> , 2017, 89, 14-21.	3.1	56
7	Can Macula and Optic Nerve Head Parameters Detect Glaucoma Progression in Eyes with Advanced Circumpapillary Retinal Nerve Fiber Layer Damage?. <i>Ophthalmology</i> , 2018, 125, 1907-1912.	5.2	52
8	Genetic Variants of TSLP and Asthma in an Admixed Urban Population. <i>PLoS ONE</i> , 2011, 6, e25099.	2.5	39
9	Serially assessed bisphenol A and phthalate exposure and association with kidney function in children with chronic kidney disease in the US and Canada: A longitudinal cohort study. <i>PLoS Medicine</i> , 2020, 17, e1003384.	8.4	39
10	Association of Convalescent Plasma Treatment With Clinical Status in Patients Hospitalized With COVID-19. <i>JAMA Network Open</i> , 2022, 5, e2147331.	5.9	38
11	Factors Associated With Changes in Pregnancy Intention Among Women Who Were Mothers of Young Children in New York City Following the COVID-19 Outbreak. <i>JAMA Network Open</i> , 2021, 4, e2124273.	5.9	37
12	Circulating anti-IL-4/Allergic hormone and breast cancer risk: A study in ten prospective cohorts. <i>International Journal of Cancer</i> , 2018, 142, 2215-2226.	5.1	32
13	Genetic Polymorphisms in Vitamin D Metabolism and Signaling Genes and Risk of Breast Cancer: A Nested Case-Control Study. <i>PLoS ONE</i> , 2015, 10, e0140478.	2.5	31
14	A Monte Carlo approach for change-point detection in the Cox proportional hazards model. <i>Statistics in Medicine</i> , 2008, 27, 3894-3909.	1.6	30
15	Breast cancer risk prediction in women aged 35-50 years: impact of including sex hormone concentrations in the Gail model. <i>Breast Cancer Research</i> , 2019, 21, 42.	5.0	30
16	Development and Validation of a Treatment Benefit Index to Identify Hospitalized Patients With COVID-19 Who May Benefit From Convalescent Plasma. <i>JAMA Network Open</i> , 2022, 5, e2147375.	5.9	30
17	HIV-Infected Children Have Lower Frequencies of CD8+ Mucosal-Associated Invariant T (MAIT) Cells that Correlate with Innate, Th17 and Th22 Cell Subsets. <i>PLoS ONE</i> , 2016, 11, e0161786.	2.5	29
18	Systemic Inflammation Associated With World Trade Center Dust Exposures and Airway Abnormalities in the Local Community. <i>Journal of Occupational and Environmental Medicine</i> , 2015, 57, 610-616.	1.7	28

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19	Coexpression of type 2 immune targets in sputum-derived epithelial and dendritic cells from asthmatic subjects. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 619-627.e5.	2.9	28
20	Variability of blood eosinophils in patients in a clinic for severe asthma. <i>Clinical and Experimental Allergy</i> , 2019, 49, 163-170.	2.9	28
21	Interaction between arsenic exposure from drinking water and genetic susceptibility in carotid intima-media thickness in Bangladesh. <i>Toxicology and Applied Pharmacology</i> , 2014, 276, 195-203.	2.8	27
22	Receptor for advanced glycation end-products and World Trade Center particulate induced lung function loss: A case-cohort study and murine model of acute particulate exposure. <i>PLoS ONE</i> , 2017, 12, e0184331.	2.5	27
23	Organophosphate pesticides and progression of chronic kidney disease among children: A prospective cohort study. <i>Environment International</i> , 2021, 155, 106597.	10.0	26
24	Application of the Asthma Phenotype Algorithm from the Severe Asthma Research Program to an Urban Population. <i>PLoS ONE</i> , 2012, 7, e44540.	2.5	26
25	Sample Size Calculation for Controlling False Discovery Proportion. <i>Journal of Probability and Statistics</i> , 2012, 2012, 1-13.	0.7	23
26	The NYU Children's Health and Environment Study. <i>European Journal of Epidemiology</i> , 2020, 35, 305-320.	5.7	22
27	Oscillometry complements spirometry in evaluation of subjects following toxic inhalation. <i>ERJ Open Research</i> , 2015, 1, 00043-2015.	2.6	21
28	Predictive Biomarkers of Gastroesophageal Reflux Disease and Barrett's Esophagus in World Trade Center Exposed Firefighters: a 15 Year Longitudinal Study. <i>Scientific Reports</i> , 2018, 8, 3106.	3.3	21
29	The Role of Optical Coherence Tomography Criteria and Machine Learning in Multiple Sclerosis and Optic Neuritis Diagnosis. <i>Neurology</i> , 2022, 99, .	1.1	21
30	Metabolomics of World Trade Center-Lung Injury: a machine learning approach. <i>BMJ Open Respiratory Research</i> , 2018, 5, e000274.	3.0	20
31	Gene-arsenic interaction in longitudinal changes of blood pressure: Findings from the Health Effects of Arsenic Longitudinal Study (HEALS) in Bangladesh. <i>Toxicology and Applied Pharmacology</i> , 2015, 288, 95-105.	2.8	19
32	HbA1c, lipid profiles and risk of incident type 2 Diabetes in United States Veterans. <i>PLoS ONE</i> , 2018, 13, e0203484.	2.5	19
33	Longitudinal Spirometry Among Patients in a Treatment Program for Community Members With World Trade Center-Related Illness. <i>Journal of Occupational and Environmental Medicine</i> , 2012, 54, 1208-1213.	1.7	18
34	Validation of Predictive Metabolic Syndrome Biomarkers of World Trade Center Lung Injury. <i>Chest</i> , 2019, 156, 486-496.	0.8	18
35	Joint Analysis of Longitudinal Data with Informative Right Censoring. <i>Biometrics</i> , 2007, 63, 363-371.	1.4	17
36	A General and Robust Framework for Secondary Traits Analysis. <i>Genetics</i> , 2016, 202, 1329-1343.	2.9	17

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37	Metabolic Syndrome Biomarkers of World Trade Center Airway Hyperreactivity: A 16-Year Prospective Cohort Study. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1486.	2.6	17
38	In Vivo Sublayer Analysis of Human Retinal Inner Plexiform Layer Obtained by Visible-Light Optical Coherence Tomography. , 2022, 63, 18.		17
39	Cox regression model with time-varying coefficients in nested case-control studies. <i>Biostatistics</i> , 2010, 11, 693-706.	1.5	15
40	Effects of Chest Physical Therapy in Patients with Non-Tuberculous Mycobacteria. <i>International Journal of Respiratory and Pulmonary Medicine</i> , 2017, 4, .	0.1	14
41	Uptake and timing of risk-reducing salpingo-oophorectomy among patients with BRCA1 and BRCA2 mutations. <i>American Journal of Obstetrics and Gynecology</i> , 2021, 225, 508.e1-508.e10.	1.3	14
42	Prospective individual patient data meta-analysis: Evaluating convalescent plasma for COVID-19. <i>Statistics in Medicine</i> , 2021, 40, 5131-5151.	1.6	14
43	Organophosphate pesticide exposure: Demographic and dietary predictors in an urban pregnancy cohort. <i>Environmental Pollution</i> , 2021, 283, 116920.	7.5	14
44	Interval Mapping of Quantitative Trait Loci for Time-to-Event Data with the Proportional Hazards Mixture Cure Model. <i>Biometrics</i> , 2006, 62, 1053-1061.	1.4	13
45	Clinical Prediction Performance of Glaucoma Progression Using a 2-Dimensional Continuous-Time Hidden Markov Model with Structural and Functional Measurements. <i>Ophthalmology</i> , 2018, 125, 1354-1361.	5.2	13
46	Prenatal Exposure to Bisphenols and Phthalates and Postpartum Depression: The Role of Neurosteroid Hormone Disruption. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 1887-1899.	3.6	13
47	Longitudinal Change of PTSD Symptoms in Community Members after the World Trade Center Destruction. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1215.	2.6	12
48	Identification of Homogeneous and Heterogeneous Variables in Pooled Cohort Studies. <i>Biometrics</i> , 2015, 71, 397-403.	1.4	11
49	Prior antibiotic exposure and risk of type 2 diabetes among Veterans. <i>Primary Care Diabetes</i> , 2019, 13, 49-56.	1.8	11
50	Assessing the Protective Metabolome Using Machine Learning in World Trade Center Particulate Exposed Firefighters at Risk for Lung Injury. <i>Scientific Reports</i> , 2019, 9, 11939.	3.3	11
51	Persistent organic pollutant exposure and celiac disease: A pilot study. <i>Environmental Research</i> , 2020, 186, 109439.	7.5	11
52	Cox Regression in Nested Case-Control Studies with Auxiliary Covariates. <i>Biometrics</i> , 2010, 66, 374-381.	1.4	9
53	Quantile Regression in the Secondary Analysis of Case-Control Data. <i>Journal of the American Statistical Association</i> , 2016, 111, 344-354.	3.1	9
54	Improvement in severe lower respiratory symptoms and small airway function in World Trade Center dust exposed community members. <i>American Journal of Industrial Medicine</i> , 2016, 59, 777-787.	2.1	9

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55	Epidemiologic Methods to Estimate Insufficient Sleep in the US Population. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9337.	2.6	9
56	Multiomics of World Trade Center Particulate Matter-induced Persistent Airway Hyperreactivity. Role of Receptor for Advanced Glycation End Products. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 219-233.	2.9	9
57	Gene-Environment Interaction between the IL1RN Variants and Childhood Environmental Tobacco Smoke Exposure in Asthma Risk. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 2036.	2.6	9
58	Long-term outcomes in patients presenting with optic neuritis: Analyses of the MSBase registry. <i>Journal of the Neurological Sciences</i> , 2021, 430, 118067.	0.6	9
59	On estimation of linear transformation models with nested case-control sampling. <i>Lifetime Data Analysis</i> , 2012, 18, 80-93.	0.9	8
60	Oxidant stress and renal function among children with chronic kidney disease: a repeated measures study. <i>Scientific Reports</i> , 2020, 10, 3129.	3.3	8
61	COVID-19 outcomes of patients with gynecologic cancer in New York City: An updated analysis from the initial surge of the pandemic. <i>Gynecologic Oncology</i> , 2022, 164, 304-310.	1.4	8
62	Mixture cure model with an application to interval mapping of quantitative trait loci. <i>Lifetime Data Analysis</i> , 2006, 12, 421-440.	0.9	7
63	Partially linear single index Cox regression model in nested case-control studies. <i>Computational Statistics and Data Analysis</i> , 2013, 67, 199-212.	1.2	7
64	Estimation and selection of complex covariate effects in pooled nested case-control studies with heterogeneity. <i>Biostatistics</i> , 2013, 14, 682-694.	1.5	7
65	Characterization of Persistent Uncontrolled Asthma Symptoms in Community Members Exposed to World Trade Center Dust and Fumes. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6645.	2.6	7
66	World Trade Center-Cardiorespiratory and Vascular Dysfunction: Assessing the Phenotype and Metabolome of a Murine Particulate Matter Exposure Model. <i>Scientific Reports</i> , 2020, 10, 3130.	3.3	7
67	PEDF, a pleiotropic WTC-LI biomarker: Machine learning biomarker identification and validation. <i>PLoS Computational Biology</i> , 2021, 17, e1009144.	3.2	7
68	Neighborhood Walkability and Mortality in a Prospective Cohort of Women. <i>Epidemiology</i> , 2021, 32, 763-772.	2.7	7
69	Variability and correlations of synthetic chemicals in urine from a New York City-based cohort of pregnant women. <i>Environmental Pollution</i> , 2022, 309, 119774.	7.5	7
70	Design and analysis of clinical trials in the presence of delayed treatment effect. <i>Statistics in Medicine</i> , 2016, 35, 1774-1779.	1.6	6
71	Bronchodilator Response Predicts Longitudinal Improvement in Small Airway Function in World Trade Center Dust Exposed Community Members. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1421.	2.6	6
72	A family of partial-linear single-index models for analyzing complex environmental exposures with continuous, categorical, time-to-event, and longitudinal health outcomes. <i>Environmental Health</i> , 2020, 19, 96.	4.0	6

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73	Synergistic Effect of WTC-Particulate Matter and Lysophosphatidic Acid Exposure and the Role of RAGE: In-Vitro and Translational Assessment. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 4318.	2.6	5
74	Determinants of phthalate exposures in pregnant women in New York City. <i>Environmental Research</i> , 2022, 212, 113203.	7.5	5
75	Food Intake REstriction for Health OUtcome Support and Education (FIREHOUSE) Protocol: A Randomized Clinical Trial. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 6569.	2.6	4
76	Generalized mean residual life models for case-cohort and nested case-control studies. <i>Lifetime Data Analysis</i> , 2020, 26, 789-819.	0.9	4
77	Empirical evaluation of sub-cohort sampling designs for risk prediction modeling. <i>Journal of Applied Statistics</i> , 2021, 48, 1374-1401.	1.3	4
78	Dietary phenotype and advanced glycation end-products predict WTC-obstructive airways disease: a longitudinal observational study. <i>Respiratory Research</i> , 2021, 22, 19.	3.6	4
79	COPD in Smoking and Non-Smoking Community Members Exposed to the World Trade Center Dust and Fumes. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4249.	2.6	4
80	Efficient Estimation for Accelerated Failure Time Model under Case-Cohort and Nested Case-Control Sampling. <i>Biometrics</i> , 2017, 73, 114-123.	1.4	3
81	Evaluating Glaucoma Treatment Effect on Intraocular Pressure Reduction Using Propensity Score Weighted Regression. <i>Scientific Reports</i> , 2019, 9, 15496.	3.3	3
82	Center Volume and Kidney Transplant Outcomes in Pediatric Patients. <i>Kidney Medicine</i> , 2020, 2, 297-306.	2.0	3
83	Partially linear single-index generalized mean residual life models. <i>Statistics in Medicine</i> , 2021, 40, 6707-6722.	1.6	3
84	Molecular Clustering Analysis of Blood Biomarkers in World Trade Center Exposed Community Members with Persistent Lower Respiratory Symptoms. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8102.	2.6	3
85	Disease Progression in Children With Perinatal Human Immunodeficiency Virus Correlates With Increased PD-1+ CD8 T Cells That Coexpress Multiple Immune Checkpoints. <i>Journal of Infectious Diseases</i> , 2021, , .	4.0	2
86	Breast Cancer Risk Factors and Circulating Anti-Müllerian Hormone Concentration in Healthy Premenopausal Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e4542-e4553.	3.6	2
87	Random urinary bile acids as a diagnostic method for intrahepatic cholestasis of pregnancy (ICP). <i>American Journal of Obstetrics and Gynecology</i> , 2006, 195, S121.	1.3	1
88	Foregut microbiome in development of esophageal adenocarcinoma. <i>Nature Precedings</i> , 2010, , .	0.1	1
89	4088 Longitudinal Assessment of Metabolic Syndrome as a Modifiable Risk factor of World Trade Center Particulate Matter Exposure Associated Lung Disease. <i>Journal of Clinical and Translational Science</i> , 2020, 4, 49-50.	0.6	1
90	A Tight Prediction Interval for False Discovery Proportion under Dependence. <i>Open Journal of Statistics</i> , 2012, 02, 163-171.	0.7	1

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91	Longitudinal associations of pre-pregnancy BMI and gestational weight gain with maternal urinary metabolites: an NYU CHES study. International Journal of Obesity, 2022, , .	3.4	1
92	3D Microstructure of the Healthy Non-Human Primate Lamina Cribrosa by Optical Coherence Tomography Imaging. Translational Vision Science and Technology, 2022, 11, 15.	2.2	1
93	The Effect of Maternal US Nativity on Racial/Ethnic Differences in Fetal Growth. American Journal of Epidemiology, 2022, 191, 1568-1583.	3.4	1
94	A Semiparametric Marginalized Model for Longitudinal Data with Informative Dropout. Journal of Probability and Statistics, 2012, 2012, 1-15.	0.7	0
95	2372. Journal of Clinical and Translational Science, 2017, 1, 63-64.	0.6	0
96	Neighborhood Walkability and Mortality in a Prospective Cohort of Women. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
97	Exposure to ambient air pollution and fetal cerebellar transverse diameter: a longitudinal study. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
98	Real-time characterization of personalized air pollution exposure in pregnant women participating in a birth cohort study. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
99	Combination of the PAM4 and CA19-9 biomarkers to improve the detection of pancreatic adenocarcinoma.. Journal of Clinical Oncology, 2012, 30, 164-164.	1.6	0
100	Detection of early-stage pancreatic ductal adenocarcinoma (PDAC): Sensitivity, specificity, and discriminatory properties of the serum-based PAM4-immunoassay.. Journal of Clinical Oncology, 2012, 30, 151-151.	1.6	0
101	Title is missing!. , 2020, 17, e1003384.		0
102	Title is missing!. , 2020, 17, e1003384.		0
103	Title is missing!. , 2020, 17, e1003384.		0
104	Title is missing!. , 2020, 17, e1003384.		0
105	Title is missing!. , 2020, 17, e1003384.		0
106	Semiparametric Distributed Lag Quantile Regression for Modeling Time-Dependent Exposure Mixtures. Biometrics, 2023, 79, 2619-2632.	1.4	0