David Q Rich

List of Publications by Year
in descending order

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Version: 2024-02-01

93	4,365	101543	114465
papers	citations	36 h-index	63 g-index

94	94	94	6018
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Maternal Exposure to Particulate Air Pollution and Term Birth Weight: A Multi-Country Evaluation of Effect and Heterogeneity. Environmental Health Perspectives, 2013, 121, 267-373.	6.0	339
2	Association Between Changes in Air Pollution Levels During the Beijing Olympics and Biomarkers of Inflammation and Thrombosis in Healthy Young Adults. JAMA - Journal of the American Medical Association, 2012, 307, 2068-78.	7.4	330
3	Association of Air Pollution with Increased Incidence of Ventricular Tachyarrhythmias Recorded by Implanted Cardioverter Defibrillators. Environmental Health Perspectives, 2005, 113, 670-674.	6.0	232
4	Ambient fine particulate air pollution triggers ST-elevation myocardial infarction, but not non-ST elevation myocardial infarction: a case-crossover study. Particle and Fibre Toxicology, 2014, 11, 1.	6.2	214
5	Association of Short-term Ambient Air Pollution Concentrations and Ventricular Arrhythmias. American Journal of Epidemiology, 2005, 161, 1123-1132.	3.4	204
6	Differences in Birth Weight Associated with the 2008 Beijing Olympics Air Pollution Reduction: Results from a Natural Experiment. Environmental Health Perspectives, 2015, 123, 880-887.	6.0	139
7	Increased Risk of Paroxysmal Atrial Fibrillation Episodes Associated with Acute Increases in Ambient Air Pollution. Environmental Health Perspectives, 2006, 114, 120-123.	6.0	132
8	Increased ultrafine particles and carbon monoxide concentrations are associated with asthma exacerbation among urban children. Environmental Research, 2014, 129, 11-19.	7.5	123
9	Comparisons of Ultrafine and Fine Particles in Their Associations with Biomarkers Reflecting Physiological Pathways. Environmental Science & Technology, 2014, 48, 5264-5273.	10.0	105
10	Are Ambient Ultrafine, Accumulation Mode, and Fine Particles Associated with Adverse Cardiac Responses in Patients Undergoing Cardiac Rehabilitation?. Environmental Health Perspectives, 2012, 120, 1162-1169.	6.0	98
11	Ambient Air Pollution and the Risk of Stillbirth. American Journal of Epidemiology, 2012, 176, 308-316.	3.4	94
12	PM2.5 and gaseous pollutants in New York State during 2005â€“2016: Spatial variability, temporal trends, and economic influences. Atmospheric Environment, 2018, 183, 209-224.	4.1	90
13	The Association between Respiratory Infection and Air Pollution in the Setting of Air Quality Policy and Economic Change. Annals of the American Thoracic Society, 2019, 16, 321-330.	3.2	77
14	Associations between Source-Specific Particulate Matter and Respiratory Infections in New York State Adults. Environmental Science & Technology, 2020, 54, 975-984.	10.0	77
15	Malondialdehyde in exhaled breath condensate and urine as a biomarker of air pollution induced oxidative stress. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 322-327.	3.9	72
16	Effects of maternal exposure to phthalates and bisphenol A during pregnancy on gestational age. Journal of Maternal-Fetal and Neonatal Medicine, 2014, 27, 323-327.	1.5	72
17	Estimating Hourly Concentrations of PM2.5 across a Metropolitan Area Using Low-Cost Particle Monitors. Sensors, 2017, 17, 1922.	3.8	71
18	Accountability studies of air pollution and health effects: lessons learned and recommendations for future natural experiment opportunities. Environment International, 2017, 100, 62-78.	10.0	70

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19	Triggering of cardiovascular hospital admissions by fine particle concentrations in New York state: Before, during, and after implementation of multiple environmental policies and a recession. Environmental Pollution, 2018, 242, 1404-1416.	7.5	69
20	Triggering of cardiovascular hospital admissions by source specific fine particle concentrations in urban centers of New York State. Environment International, 2019, 126, 387-394.	10.0	68
21	Changes in the acute response of respiratory diseases to PM2.5 in New York State from 2005 to 2016. Science of the Total Environment, 2019, 677, 328-339.	8.0	66
22	Perinatal Exposure to Perchlorate, Thiocyanate, and Nitrate in New Jersey Mothers and Newborns. Environmental Science & Technology, 2009, 43, 7543-7549.	10.0	61
23	Associations between ambient wood smoke and other particulate pollutants and biomarkers of systemic inflammation, coagulation and thrombosis in cardiac patients. Environmental Research, 2017, 154, 352-361.	7.5	58
24	A long-term source apportionment of PM2.5 in New York State during 2005â€“2016. Atmospheric Environment, 2018, 192, 35-47.	4.1	51
25	The International Collaboration on Air Pollution and Pregnancy Outcomes: Initial Results. Environmental Health Perspectives, 2011, 119, 1023-1028.	6.0	50
26	Variability in the fraction of ambient fine particulate matter found indoors and observed heterogeneity in health effect estimates. Journal of Exposure Science and Environmental Epidemiology, 2012, 22, 448-454.	3.9	49
27	Respiratory Responses to Ozone Exposure. MOSES (The Multicenter Ozone Study in Older Subjects). American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1319-1327.	5.6	49
28	Triggering of Transmural Infarctions, but Not Nontransmural Infarctions, by Ambient Fine Particles. Environmental Health Perspectives, 2010, 118, 1229-1234.	6.0	48
29	Does Ambient Air Pollution Trigger Stillbirth?. Epidemiology, 2013, 24, 538-544.	2.7	47
30	Hourly land-use regression models based on low-cost PM monitor data. Environmental Research, 2018, 167, 7-14.	7.5	45
31	Acute Decreases in Proteasome Pathway Activity after Inhalation of Fresh Diesel Exhaust or Secondary Organic Aerosol. Environmental Health Perspectives, 2011, 119, 658-663.	6.0	41
32	The Triggering of Myocardial Infarction by Fine Particles Is Enhanced When Particles Are Enriched in Secondary Species. Environmental Science & Technology, 2013, 47, 9414-9423.	10.0	41
33	Influence of human activity patterns, particle composition, and residential air exchange rates on modeled distributions of PM2.5 exposure compared with central-site monitoring data. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 241-247.	3.9	40
34	The Cardiopulmonary Effects of Ambient Air Pollution and Mechanistic Pathways: A Comparative Hierarchical Pathway Analysis. PLoS ONE, 2014, 9, e114913.	2.5	39
35	Long-term trends in submicron particle concentrations in a metropolitan area of the northeastern United States. Science of the Total Environment, 2018, 633, 59-70.	8.0	39
36	Right Heart Pressure Increases after Acute Increases in Ambient Particulate Concentration. Environmental Health Perspectives, 2008, 116, 1167-1171.	6.0	37

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37	Long-term trends (2005â€“2016) of source apportioned PM2.5 across New York State. Atmospheric Environment, 2019, 201, 110-120.	4.1	37
38	Ozone effects on blood biomarkers of systemic inflammation, oxidative stress, endothelial function, and thrombosis: The Multicenter Ozone Study in oldEr Subjects (MOSES). PLoS ONE, 2019, 14, e0222601.	2.5	36
39	Changes in the hospitalization and ED visit rates for respiratory diseases associated with source-specific PM2.5 in New York State from 2005 to 2016. Environmental Research, 2020, 181, 108912.	7.5	33
40	Acute Changes in Heart Rate Variability in Subjects With Diabetes Following a Highway Traffic Exposure. Journal of Occupational and Environmental Medicine, 2010, 52, 324-331.	1.7	32
41	Ambient and controlled exposures to particulate air pollution and acute changes in heart rate variability and repolarization. Scientific Reports, 2019, 9, 1946.	3.3	32
42	Associations Between Prenatal Urinary Biomarkers of Phthalate Exposure and Preterm Birth. JAMA Pediatrics, 2022, 176, 895.	6.2	31
43	Refined ambient PM2.5 exposure surrogates and the risk of myocardial infarction. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 573-580.	3.9	28
44	Spatial-temporal variations of summertime ozone concentrations across a metropolitan area using a network of low-cost monitors to develop 24 hourly land-use regression models. Science of the Total Environment, 2019, 654, 1167-1178.	8.0	27
45	Triggering of ST-elevation myocardial infarction by ambient wood smoke and other particulate and gaseous pollutants. Journal of Exposure Science and Environmental Epidemiology, 2017, 27, 198-206.	3.9	25
46	Long-Term Changes of Source Apportioned Particle Number Concentrations in a Metropolitan Area of the Northeastern United States. Atmosphere, 2019, 10, 27.	2.3	25
47	Effect of air pollution control on mortality and hospital admissions in Ireland. Research Report (health Effects Institute), 2013, , 3-109.	1.6	25
48	Effect of Air Pollution Controls on Black Smoke and Sulfur Dioxide Concentrations across Ireland. Journal of the Air and Waste Management Association, 2009, 59, 207-213.	1.9	24
49	Modeling particulate matter concentrations measured through mobile monitoring in a deletion/substitution/addition approach. Atmospheric Environment, 2015, 122, 477-483.	4.1	24
50	Cardiovascular function and ozone exposure: The Multicenter Ozone Study in oldEr Subjects (MOSES). Environment International, 2018, 119, 193-202.	10.0	24
51	Particulate air pollution and nonfatal cardiac events. Part II. Association of air pollution with confirmed arrhythmias recorded by implanted defibrillators. Research Report (health Effects) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf	1	20
52	Does total antioxidant capacity modify adverse cardiac responses associated with ambient ultrafine, accumulation mode, and fine particles in patients undergoing cardiac rehabilitation?. Environmental Research, 2016, 149, 15-22.	7.5	20
53	Daily land use regression estimated woodsmoke and traffic pollution concentrations and the triggering of ST-elevation myocardial infarction: a case-crossover study. Air Quality, Atmosphere and Health, 2018, 11, 239-244.	3.3	20
54	Ambient wintertime particulate air pollution and hypertensive disorders of pregnancy in Monroe County, New York. Environmental Research, 2019, 168, 25-31.	7.5	20

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55	Wintertime Wood Smoke, Traffic Particle Pollution, and Preeclampsia. Hypertension, 2020, 75, 851-858.	2.7	20
56	Urinary polycyclic aromatic hydrocarbon metabolites as biomarkers of exposure to traffic-emitted pollutants. Environment International, 2015, 85, 104-110.	10.0	19
57	Association of air pollution sources and aldehydes with biomarkers of blood coagulation, pulmonary inflammation, and systemic oxidative stress. Journal of Exposure Science and Environmental Epidemiology, 2017, 27, 244-250.	3.9	19
58	The platelet phenotype in patients with ST-segment elevation myocardial infarction is different from nonâ€“ST-segment elevation myocardial infarction. Translational Research, 2018, 195, 1-12.	5.0	19
59	Does Particle Size Matter? Ultrafine Particles and Hospital Visits in Eastern Europe. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 1180-1182.	5.6	18
60	Prehospital time intervals and management of ischemic stroke patients. American Journal of Emergency Medicine, 2021, 42, 127-131.	1.6	18
61	Comparison of techniques to reduce residential lead dust on carpet and upholstery: the new jersey assessment of cleaning techniques trial.. Environmental Health Perspectives, 2002, 110, 1233-1237.	6.0	17
62	Acute changes in ambient temperature are associated with adverse changes in cardiac rhythm. Air Quality, Atmosphere and Health, 2014, 7, 357-367.	3.3	16
63	Temporal changes in short-term associations between cardiorespiratory emergency department visits and PM2.5 in Los Angeles, 2005 to 2016. Environmental Research, 2020, 190, 109967.	7.5	16
64	Maternal exposure to ambient PM2.5 and term birth weight: A systematic review and meta-analysis of effect estimates. Science of the Total Environment, 2022, 807, 150744.	8.0	16
65	Trends and risk factors of stillbirth in New Jersey 1997â€“2005. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 699-705.	1.5	15
66	Neurodegenerative hospital admissions and long-term exposure to ambient fine particle air pollution. Annals of Epidemiology, 2021, 54, 79-86.e4.	1.9	15
67	Association of prenatal perchlorate, thiocyanate, and nitrate exposure with neonatal size and gestational age. Reproductive Toxicology, 2015, 57, 183-189.	2.9	14
68	Increases in ambient particulate matter air pollution, acute changes in platelet function, and effect modification by aspirin and omega-3 fatty acids: A panel study. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2016, 79, 287-298.	2.3	14
69	Effectiveness of Implantable Cardioverter-Defibrillators to ReduceÂMortality in Patients With LongÂQT Syndrome. Journal of the American College of Cardiology, 2021, 78, 2076-2088.	2.8	14
70	Health effects of air pollution: what we need to know and to do in the next decade. Journal of Thoracic Disease, 2019, 11, 1727-1730.	1.4	13
71	A field comparison of two methods for sampling lead in household dust. Journal of Exposure Science and Environmental Epidemiology, 1999, 9, 106-112.	3.9	12
72	Field Evaluation and Comparison of Five Methods of Sampling Lead Dust on Carpets. AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety, 2003, 64, 528-532.	0.4	12

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73	Barriers to Providing Prehospital Care to Ischemic Stroke Patients: Predictors and Impact on Care. Prehospital and Disaster Medicine, 2018, 33, 501-507.	1.3	11
74	Changes in triggering of ST-elevation myocardial infarction by particulate air pollution in Monroe County, New York over time: a case-crossover study. Environmental Health, 2019, 18, 82.	4.0	11
75	Sex-Specific Platelet Activation Through Protease-Activated Receptors Reverses in Myocardial Infarction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 390-400.	2.4	11
76	Risk of thromboembolism in cisplatin versus carboplatin-treated patients with lung cancer. PLoS ONE, 2017, 12, e0189410.	2.5	11
77	Comparison of home lead dust reduction techniques on hard surfaces: the New Jersey assessment of cleaning techniques trial.. Environmental Health Perspectives, 2002, 110, 889-893.	6.0	10
78	Term birth weight and ambient air pollutant concentrations during pregnancy, among women living in Monroe County, New York. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 500-509.	3.9	10
79	Long-term trends of ultrafine and fine particle number concentrations in New York State: Apportioning between emissions and dispersion. Environmental Pollution, 2022, 310, 119797.	7.5	10
80	Evaluation and Field Calibration of a Low-cost Ozone Monitor at a Regulatory Urban Monitoring Station. Aerosol and Air Quality Research, 2018, 18, 2029-2037.	2.1	9
81	Triggering of myocardial infarction by increased ambient fine particle concentration: Effect modification by source direction. Environmental Research, 2015, 142, 374-379.	7.5	8
82	Do elevated blood levels of omega-3 fatty acids modify effects of particulate air pollutants on fibrinogen?. Air Quality, Atmosphere and Health, 2018, 11, 791-799.	3.3	8
83	Inflammation, Attention, and Processing Speed in Patients with Breast Cancer before and after Chemotherapy. Journal of the National Cancer Institute, 2022, , .	6.3	8
84	Plasma nitrite is an indicator of acute changes in ambient air pollutant concentrations. Inhalation Toxicology, 2014, 26, 426-434.	1.6	7
85	How community vulnerability factors jointly affect multiple health outcomes after catastrophic storms. Environment International, 2020, 134, 105285.	10.0	7
86	The effect of air pollution on the transcriptomics of the immune response to respiratory infection. Scientific Reports, 2021, 11, 19436.	3.3	7
87	Impact of the 2008 Beijing Olympics on the risk of pregnancy complications. Archives of Environmental and Occupational Health, 2016, 71, 208-215.	1.4	6
88	Do Ambient Ozone or Other Pollutants Modify Effects of Controlled Ozone Exposure on Pulmonary Function?. Annals of the American Thoracic Society, 2020, 17, 563-572.	3.2	6
89	Survival of Secondary Central Nervous System Lymphoma Patients in the Rituximab Era. Clinical Lymphoma, Myeloma and Leukemia, 2016, 16, e123-e127.	0.4	5
90	The Relative Costs of High- vs. Low-Energy-Density Foods and More vs. Less Healthful Beverages Consumed by Children. Journal of Hunger and Environmental Nutrition, 2018, 13, 240-254.	1.9	5

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91	Clinical Features, Treatment, and Survival of Secondary Central Nervous System Lymphoma. Blood, 2014, 124, 5389-5389.	1.4	4
92	Antidepressant use and risk of central nervous system metastasis. Journal of Neuro-Oncology, 2016, 129, 179-187.	2.9	2
93	Inflammatory markers modify the risk of recurrent coronary events associated with apolipoprotein A-I in postinfarction patients. Journal of Clinical Lipidology, 2017, 11, 215-223.	1.5	1