

John L Adgate

List of Publications by Year in descending order

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89
papers

4,542
citations

94433

37
h-index

106344

65
g-index

90
all docs

90
docs citations

90
times ranked

4453
citing authors

#	ARTICLE	IF	CITATIONS
1	Human health risk assessment of air emissions from development of unconventional natural gas resources. <i>Science of the Total Environment</i> , 2012, 424, 79-87.	8.0	472
2	Potential Public Health Hazards, Exposures and Health Effects from Unconventional Natural Gas Development. <i>Environmental Science & Technology</i> , 2014, 48, 8307-8320.	10.0	395
3	Birth Outcomes and Maternal Residential Proximity to Natural Gas Development in Rural Colorado. <i>Environmental Health Perspectives</i> , 2014, 122, 412-417.	6.0	275
4	Outdoor, Indoor, and Personal Exposure to VOCs in Children. <i>Environmental Health Perspectives</i> , 2004, 112, 1386-1392.	6.0	172
5	Measurement of children's exposure to pesticides: analysis of urinary metabolite levels in a probability-based sample.. <i>Environmental Health Perspectives</i> , 2001, 109, 583-590.	6.0	171
6	Comparison of Personal, Indoor, and Outdoor Exposures to Hazardous Air Pollutants in Three Urban Communities. <i>Environmental Science & Technology</i> , 2004, 38, 423-430.	10.0	152
7	Characterizing Indoor and Outdoor 15 Minute Average PM 2.5 Concentrations in Urban Neighborhoods. <i>Aerosol Science and Technology</i> , 2003, 37, 33-45.	3.1	107
8	Childhood hematologic cancer and residential proximity to oil and gas development. <i>PLoS ONE</i> , 2017, 12, e0170423.	2.5	103
9	Perfluoroalkyl Substances during Pregnancy and Offspring Weight and Adiposity at Birth: Examining Mediation by Maternal Fasting Glucose in the Healthy Start Study. <i>Environmental Health Perspectives</i> , 2017, 125, 067016.	6.0	102
10	Personal, Indoor, and Outdoor VOC Exposures in a Probability Sample of Children. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2004, 14, S4-S13.	3.9	93
11	Impact of Outdoor Air Pollution on Indoor Air Quality in Low-Income Homes during Wildfire Seasons. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3535.	2.6	86
12	Chemical Mass Balance Source Apportionment of Lead in House Dust. <i>Environmental Science & Technology</i> , 1998, 32, 108-114.	10.0	84
13	Interpreting variability in population biomonitoring data: Role of elimination kinetics. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2012, 22, 398-408.	3.9	78
14	Distributions, associations, and partial aggregate exposure of pesticides and polynuclear aromatic hydrocarbons in the Minnesota Children's Pesticide Exposure Study (MNC PES). <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2003, 13, 100-111.	3.9	75
15	Comparison of Short-Term Variations (15-Minute Averages) in Outdoor and Indoor PM _{2.5} Concentrations. <i>Journal of the Air and Waste Management Association</i> , 2000, 50, 1157-1166.	1.9	74
16	Population Size, Growth, and Environmental Justice Near Oil and Gas Wells in Colorado. <i>Environmental Science & Technology</i> , 2016, 50, 11471-11480.	10.0	72
17	Unsaturated PFOS and Other PFASs in Human Serum and Drinking Water from an AFFF-Impacted Community. <i>Environmental Science & Technology</i> , 2021, 55, 8139-8148.	10.0	71
18	Children's Exposure to Volatile Organic Compounds as Determined by Longitudinal Measurements in Blood. <i>Environmental Health Perspectives</i> , 2005, 113, 342-349.	6.0	70

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19	Indoor Air Quality in Two Urban Elementary Schools—Measurements of Airborne Fungi, Carpet Allergens, CO ₂ , Temperature, and Relative Humidity. <i>Journal of Occupational and Environmental Hygiene</i> , 2005, 2, 553-566.	1.0	69
20	Pesticide storage and use patterns in Minnesota households with children. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2000, 10, 159-167.	3.9	66
21	The Association of Arsenic Exposure and Metabolism With Type 1 and Type 2 Diabetes in Youth: The SEARCH Case-Control Study. <i>Diabetes Care</i> , 2017, 40, 46-53.	8.6	61
22	Agreement of pesticide biomarkers between morning void and 24-h urine samples from farmers and their children. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2007, 17, 350-357.	3.9	60
23	Lead in House Dust: Relationships between Exposure Metrics. <i>Environmental Research</i> , 1995, 70, 134-147.	7.5	58
24	Looking at environmental justice from an environmental health perspective. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 1999, 9, 3-8.	3.9	56
25	Relationships between personal, indoor, and outdoor exposures to trace elements in PM _{2.5} . <i>Science of the Total Environment</i> , 2007, 386, 21-32.	8.0	55
26	Estimating Volatile Organic Compound Concentrations in Selected Microenvironments Using Time-Activity and Personal Exposure Data. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2007, 70, 465-476.	2.3	54
27	Distribution and predictors of urinary concentrations of phthalate metabolites and phenols among pregnant women in the Healthy Start Study. <i>Environmental Research</i> , 2018, 162, 308-317.	7.5	54
28	Sociodemographic and behavioral determinants of serum concentrations of per- and polyfluoroalkyl substances in a community highly exposed to aqueous film-forming foam contaminants in drinking water. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 223, 256-266.	4.3	53
29	The Use of Health Impact Assessment for a Community Undergoing Natural Gas Development. <i>American Journal of Public Health</i> , 2013, 103, 1002-1010.	2.7	52
30	Design strategy for assessing multi-pathway exposure for children: the Minnesota Children's Pesticide Exposure Study (MNCPEs). <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2000, 10, 145-158.	3.9	51
31	Evaluating Differences between Measured Personal Exposures to Volatile Organic Compounds and Concentrations in Outdoor and Indoor Air. <i>Environmental Science & Technology</i> , 2004, 38, 2593-2602.	10.0	50
32	Environmental Justice in Unconventional Oil and Natural Gas Drilling and Production: A Critical Review and Research Agenda. <i>Environmental Science & Technology</i> , 2019, 53, 6601-6615.	10.0	50
33	Prenatal Exposure to Per- and Polyfluoroalkyl Substances, Umbilical Cord Blood DNA Methylation, and Cardio-Metabolic Indicators in Newborns: The Healthy Start Study. <i>Environmental Health Perspectives</i> , 2020, 128, 127014.	6.0	49
34	Using Biologic Markers in Blood to Assess Exposure to Multiple Environmental Chemicals for Inner-City Children 3-6 Years of Age. <i>Environmental Health Perspectives</i> , 2006, 114, 453-459.	6.0	48
35	Prenatal exposure to per- and polyfluoroalkyl substances and infant growth and adiposity: the Healthy Start Study. <i>Environment International</i> , 2019, 131, 104983.	10.0	48
36	Ambient Nonmethane Hydrocarbon Levels Along Colorado's Northern Front Range: Acute and Chronic Health Risks. <i>Environmental Science & Technology</i> , 2018, 52, 4514-4525.	10.0	47

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37	Children's exposure to environmental tobacco smoke: using diverse exposure metrics to document ethnic/racial differences.. Environmental Health Perspectives, 2004, 112, 392-397.	6.0	44
38	Community Noise and Air Pollution Exposure During the Development of a Multi-Well Oil and Gas Pad. Environmental Science & Technology, 2019, 53, 7126-7135.	10.0	37
39	Relationships between indicators of cardiovascular disease and intensity of oil and natural gas activity in Northeastern Colorado. Environmental Research, 2019, 170, 56-64.	7.5	35
40	Comparing Air Dispersion Model Predictions with Measured Concentrations of VOCs in Urban Communities. Environmental Science & Technology, 2004, 38, 1949-1959.	10.0	34
41	Environmental Exposure Assessment of Pesticides in Farmworker Homes. Environmental Health Perspectives, 2006, 114, 929-935.	6.0	34
42	Free market ideology and deregulation in Colorado's oil fields: Evidence for triple movement activism?. Environmental Politics, 2017, 26, 521-545.	5.4	33
43	Relationships between home ventilation rates and respiratory health in the Colorado Home Energy Efficiency and Respiratory Health (CHEER) study. Environmental Research, 2019, 169, 297-307.	7.5	33
44	Prenatal exposure to traffic and ambient air pollution and infant weight and adiposity: The Healthy Start study. Environmental Research, 2020, 182, 109130.	7.5	33
45	Residential noise from nearby oil and gas well construction and drilling. Journal of Exposure Science and Environmental Epidemiology, 2018, 28, 538-547.	3.9	29
46	The Need for a Tighter Particulate-Matter Air-Quality Standard. New England Journal of Medicine, 2020, 383, 680-683.	27.0	29
47	Subchronic to chronic exposure extrapolation: Toxicologic evidence for a reduced uncertainty factor. Human and Ecological Risk Assessment (HERA), 1995, 1, 516-526.	3.4	28
48	Data Collection issues: Measurement of multi-pollutant and multi-pathway exposures in a probability-based sample of children: practical strategies for effective field studies. Journal of Exposure Science and Environmental Epidemiology, 2000, 10, 650-661.	3.9	28
49	Allergen levels in inner city homes: baseline concentrations and evaluation of intervention effectiveness. Journal of Exposure Science and Environmental Epidemiology, 2008, 18, 430-440.	3.9	28
50	A school-based strategy to assess children's environmental exposures and related health effects in economically disadvantaged urban neighborhoods. Journal of Exposure Science and Environmental Epidemiology, 2000, 10, 682-694.	3.9	26
51	Predicting children's short-term exposure to pesticides: results of a questionnaire screening approach.. Environmental Health Perspectives, 2003, 111, 123-128.	6.0	25
52	A Field Comparison of Volatile Organic Compound Measurements Using Passive Organic Vapor Monitors and Stainless Steel Canisters. Environmental Science & Technology, 2005, 39, 3261-3268.	10.0	25
53	Detection of organophosphate pesticides using a prototype liquid crystal monitor. Journal of Environmental Monitoring, 2009, 11, 49-55.	2.1	23
54	Radiographic Evidence of Nonoccupational Asbestos Exposure from Processing Libby Vermiculite in Minneapolis, Minnesota. Environmental Health Perspectives, 2012, 120, 44-49.	6.0	22

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55	Spatiotemporal Industrial Activity Model for Estimating the Intensity of Oil and Gas Operations in Colorado. <i>Environmental Science & Technology</i> , 2017, 51, 10243-10250.	10.0	22
56	Environmental metal exposures and kidney function of Guatemalan sugarcane workers. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 461-471.	3.9	21
57	Recruitment, retention, and compliance results from a probability study of children's environmental health in economically disadvantaged neighborhoods.. <i>Environmental Health Perspectives</i> , 2003, 111, 731-736.	6.0	20
58	Impact of Low-Income Home Energy-Efficiency Retrofits on Building Air Tightness and Healthy Home Indicators. <i>Sustainability</i> , 2019, 11, 2667.	3.2	20
59	Prenatal Exposure to Tobacco and Offspring Neurocognitive Development in the Healthy Start Study. <i>Journal of Pediatrics</i> , 2020, 218, 28-34.e2.	1.8	20
60	Biomarker Measurements of Concurrent Exposure to Multiple Environmental Chemicals and Chemical Classes in Children. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2011, 74, 927-942.	2.3	18
61	Fetal exposure to maternal active and secondhand smoking with offspring early-life growth in the Healthy Start study. <i>International Journal of Obesity</i> , 2019, 43, 652-662.	3.4	17
62	A Pilot Study to Assess Inhalation Exposures among Sugarcane Workers in Guatemala: Implications for Chronic Kidney Disease of Unknown Origin. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5708.	2.6	16
63	Birth Outcomes and Natural Gas Development: McKenzie et al. Respond. <i>Environmental Health Perspectives</i> , 2014, 122, A232-3.	6.0	14
64	Is reporting "significant damage" transparent? Assessing fire and explosion risk at oil and gas operations in the United States. <i>Energy Research and Social Science</i> , 2017, 29, 36-43.	6.4	14
65	Understanding Self-Rated Health and Unconventional Oil and Gas Development in Three Colorado Communities. <i>Society and Natural Resources</i> , 2021, 34, 60-81.	1.9	14
66	Longitudinal Evaluation of Allergen and Culturable Fungal Concentrations in Inner-City Households. <i>Journal of Occupational and Environmental Hygiene</i> , 2007, 5, 107-118.	1.0	13
67	Social and Environmental Neighborhood Typologies and Lung Function in a Low-Income, Urban Population. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1133.	2.6	13
68	Field Evaluation and Comparison of Five Methods of Sampling Lead Dust on Carpets. <i>AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2003, 64, 528-532.	0.4	12
69	Truck and Multivehicle Truck Accidents with Injuries Near Colorado Oil and Gas Operations. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1861.	2.6	12
70	Estimating Absorbed Dose of Pesticides in a Field Setting Using Biomonitoring Data and Pharmacokinetic Models. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2008, 71, 373-383.	2.3	11
71	Modeling community asbestos exposure near a vermiculite processing facility: Impact of human activities on cumulative exposure. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2011, 21, 529-535.	3.9	11
72	Exposure to ambient air pollution during pregnancy and inflammatory biomarkers in maternal and umbilical cord blood: The Healthy Start study. <i>Environmental Research</i> , 2021, 197, 111165.	7.5	11

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73	Putting on partisan glasses: Political identity, quality of life, and oil and gas production in Colorado. Energy Policy, 2019, 129, 738-748.	8.8	10
74	Combined environmental and social exposures during pregnancy and associations with neonatal size and body composition. Environmental Epidemiology, 2019, 3, e043.	3.0	10
75	Cross-sectional associations between serum PFASs and inflammatory biomarkers in a population exposed to AFFF-contaminated drinking water. International Journal of Hygiene and Environmental Health, 2022, 240, 113905.	4.3	10
76	Seasonal Variability of Culturable Fungal Genera in the House Dust of Inner-City Residences. Journal of Occupational and Environmental Hygiene, 2008, 5, 780-789.	1.0	9
77	Measuring environmental noise from airports, oil and gas operations, and traffic with smartphone applications: laboratory and field trials. Journal of Exposure Science and Environmental Epidemiology, 2018, 28, 548-558.	3.9	9
78	Asthma, atopy, and lung function among racially diverse, poor inner-urban Minneapolis schoolchildren. Environmental Research, 2007, 103, 257-266.	7.5	8
79	Air infiltration in low-income, urban homes and its relationship to lung function. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 262-270.	3.9	6
80	Prenatal exposure to ambient air pollution and traffic and indicators of adiposity in early childhood: the Healthy Start study. International Journal of Obesity, 2022, 46, 494-501.	3.4	6
81	A Spatiotemporal Prediction Model for Black Carbon in the Denver Metropolitan Area, 2009–2020. Environmental Science & Technology, 2021, 55, 3112-3123.	10.0	5
82	A side-by-side comparison of three allergen sampling methods in settled house dust. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 650-656.	3.9	4
83	Performance of dust allergen carpet samplers in controlled laboratory studies. Journal of Exposure Science and Environmental Epidemiology, 2013, 23, 385-391.	3.9	3
84	Emerging Issues: Children's Exposure to Pesticides in Residential Settings. , 2001, , 887-904.		3
85	Ambient air pollution during pregnancy and cardiometabolic biomarkers in cord blood. Environmental Epidemiology, 2022, 6, e203.	3.0	1
86	Pleural Abnormalities and Community Exposure to Asbestos Contaminated Vermiculite. Epidemiology, 2009, 20, S88-S89.	2.7	0
87	Ambient air pollution exposure during pregnancy and cardio-metabolic markers in cord blood: The Healthy Start study. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
88	Prenatal exposure to per- and polyfluoroalkyl substances and child adiposity at age 5 years: a multipollutant analysis. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
89	Exposure Modeling and Measurement: Exposure Factors. , 2019, , 786-792.		0