

Ruthann A Rudel

List of Publications by Year in descending order

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103
papers

8,916
citations

53794

45
h-index

40979

93
g-index

110
all docs

110
docs citations

110
times ranked

8793
citing authors

#	ARTICLE	IF	CITATIONS
1	Phthalates, Alkylphenols, Pesticides, Polybrominated Diphenyl Ethers, and Other Endocrine-Disrupting Compounds in Indoor Air and Dust. <i>Environmental Science & Technology</i> , 2003, 37, 4543-4553.	10.0	898
2	After the PBDE Phase-Out: A Broad Suite of Flame Retardants in Repeat House Dust Samples from California. <i>Environmental Science & Technology</i> , 2012, 46, 13056-13066.	10.0	482
3	Food Packaging and Bisphenol A and Bis(2-Ethylhexyl) Phthalate Exposure: Findings from a Dietary Intervention. <i>Environmental Health Perspectives</i> , 2011, 119, 914-920.	6.0	459
4	Endocrine disrupting chemicals in indoor and outdoor air. <i>Atmospheric Environment</i> , 2009, 43, 170-181.	4.1	441
5	Endocrine Disruptors and Asthma-Associated Chemicals in Consumer Products. <i>Environmental Health Perspectives</i> , 2012, 120, 935-943.	6.0	421
6	Pathological changes in olfactory neurons in patients with Alzheimer's disease. <i>Nature</i> , 1989, 337, 736-739.	27.8	307
7	Environmental pollutants and breast cancer. <i>Cancer</i> , 2007, 109, 2667-2711.	4.1	290
8	Environmental chemicals and breast cancer: An updated review of epidemiological literature informed by biological mechanisms. <i>Environmental Research</i> , 2018, 160, 152-182.	7.5	280
9	Identification of Alkylphenols and Other Estrogenic Phenolic Compounds in Wastewater, Septage, and Groundwater on Cape Cod, Massachusetts. <i>Environmental Science & Technology</i> , 1998, 32, 861-869.	10.0	237
10	Environmental pollutants and breast cancer.. <i>Environmental Health Perspectives</i> , 2003, 111, 1007-1019.	6.0	235
11	Pharmaceuticals, perfluorosurfactants, and other organic wastewater compounds in public drinking water wells in a shallow sand and gravel aquifer. <i>Science of the Total Environment</i> , 2014, 468-469, 384-393.	8.0	227
12	Guideline levels for PFOA and PFOS in drinking water: the role of scientific uncertainty, risk assessment decisions, and social factors. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 157-171.	3.9	223
13	Elevated House Dust and Serum Concentrations of PBDEs in California: Unintended Consequences of Furniture Flammability Standards?. <i>Environmental Science & Technology</i> , 2008, 42, 8158-8164.	10.0	206
14	Steroid Estrogens, Nonylphenol Ethoxylate Metabolites, and Other Wastewater Contaminants in Groundwater Affected by a Residential Septic System on Cape Cod, MA. <i>Environmental Science & Technology</i> , 2006, 40, 4894-4902.	10.0	198
15	Environmental Exposures and Mammary Gland Development: State of the Science, Public Health Implications, and Research Recommendations. <i>Environmental Health Perspectives</i> , 2011, 119, 1053-1061.	6.0	188
16	Semivolatile Endocrine-Disrupting Compounds in Paired Indoor and Outdoor Air in Two Northern California Communities. <i>Environmental Science & Technology</i> , 2010, 44, 6583-6590.	10.0	178
17	Chemicals causing mammary gland tumors in animals signal new directions for epidemiology, chemicals testing, and risk assessment for breast cancer prevention. <i>Cancer</i> , 2007, 109, 2635-2666.	4.1	173
18	Review of Organic Wastewater Compound Concentrations and Removal in Onsite Wastewater Treatment Systems. <i>Environmental Science & Technology</i> , 2017, 51, 7304-7317.	10.0	164

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19	Urinary Biomonitoring of Phosphate Flame Retardants: Levels in California Adults and Recommendations for Future Studies. <i>Environmental Science & Technology</i> , 2014, 48, 13625-13633.	10.0	161
20	Optimal Exposure Biomarkers for Nonpersistent Chemicals in Environmental Epidemiology. <i>Environmental Health Perspectives</i> , 2015, 123, A166-8.	6.0	137
21	Identification of Selected Hormonally Active Agents and Animal Mammary Carcinogens in Commercial and Residential Air and Dust Samples. <i>Journal of the Air and Waste Management Association</i> , 2001, 51, 499-513.	1.9	118
22	Improving Disclosure and Consent. <i>American Journal of Public Health</i> , 2007, 97, 1547-1554.	2.7	109
23	Misuse of blood serum to assess exposure to bisphenol A and phthalates. <i>Breast Cancer Research</i> , 2013, 15, 403.	5.0	108
24	Septic systems as sources of organic wastewater compounds in domestic drinking water wells in a shallow sand and gravel aquifer. <i>Science of the Total Environment</i> , 2016, 547, 470-481.	8.0	107
25	Environmental justice and drinking water quality: are there socioeconomic disparities in nitrate levels in U.S. drinking water?. <i>Environmental Health</i> , 2019, 18, 3.	4.0	103
26	Environmental pollutants, diet, physical activity, body size, and breast cancer. <i>Cancer</i> , 2007, 109, 2627-2634.	4.1	102
27	Pollution Comes Home and Gets Personal: Women's Experience of Household Chemical Exposure. <i>Journal of Health and Social Behavior</i> , 2008, 49, 417-435.	4.8	100
28	Toxic ignorance and right-to-know in biomonitoring results communication: a survey of scientists and study participants. <i>Environmental Health</i> , 2009, 8, 6.	4.0	99
29	Dietary Habits Related to Food Packaging and Population Exposure to PFASs. <i>Environmental Health Perspectives</i> , 2019, 127, 107003.	6.0	94
30	Measurement of endocrine disrupting and asthma-associated chemicals in hair products used by Black women. <i>Environmental Research</i> , 2018, 165, 448-458.	7.5	93
31	Wastewater-contaminated groundwater as a source of endogenous hormones and pharmaceuticals to surface water ecosystems. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 2457-2468.	4.3	91
32	PCB-containing wood floor finish is a likely source of elevated PCBs in residents' blood, household air and dust: a case study of exposure. <i>Environmental Health</i> , 2008, 7, 2.	4.0	88
33	Disentangling the Exposure Experience. <i>Journal of Health and Social Behavior</i> , 2011, 52, 180-196.	4.8	88
34	Linking Exposure Assessment Science With Policy Objectives for Environmental Justice and Breast Cancer Advocacy: The Northern California Household Exposure Study. <i>American Journal of Public Health</i> , 2009, 99, S600-S609.	2.7	80
35	Breast cancer risk and historical exposure to pesticides from wide-area applications assessed with GIS. <i>Environmental Health Perspectives</i> , 2004, 112, 889-897.	6.0	76
36	Using GIS and historical records to reconstruct residential exposure to large-scale pesticide application. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2002, 12, 64-80.	3.9	71

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37	Reporting individual results for biomonitoring and environmental exposures: lessons learned from environmental communication case studies. <i>Environmental Health</i> , 2014, 13, 40.	4.0	68
38	Measuring the Success of Community Science: The Northern California Household Exposure Study. <i>Environmental Health Perspectives</i> , 2012, 120, 326-331.	6.0	65
39	Semivolatile Organic Compounds in Homes: Strategies for Efficient and Systematic Exposure Measurement Based on Empirical and Theoretical Factors. <i>Environmental Science & Technology</i> , 2015, 49, 113-122.	10.0	65
40	Institutional review board challenges related to community-based participatory research on human exposure to environmental toxins: A case study. <i>Environmental Health</i> , 2010, 9, 39.	4.0	61
41	Two distinct cytosolic calcium responses to extracellular ATP in rat parotid acinar cells. <i>British Journal of Pharmacology</i> , 1993, 108, 453-461.	5.4	59
42	Exposure to Perfluoroalkyl Substances in a Cohort of Women Firefighters and Office Workers in San Francisco. <i>Environmental Science & Technology</i> , 2020, 54, 3363-3374.	10.0	54
43	New Exposure Biomarkers as Tools for Breast Cancer Epidemiology, Biomonitoring, and Prevention: A Systematic Approach Based on Animal Evidence. <i>Environmental Health Perspectives</i> , 2014, 122, 881-895.	6.0	50
44	Parabens and Human Epidermal Growth Factor Receptor Ligand Cross-Talk in Breast Cancer Cells. <i>Environmental Health Perspectives</i> , 2016, 124, 563-569.	6.0	50
45	Adverse outcome pathways for ionizing radiation and breast cancer involve direct and indirect DNA damage, oxidative stress, inflammation, genomic instability, and interaction with hormonal regulation of the breast. <i>Archives of Toxicology</i> , 2020, 94, 1511-1549.	4.2	50
46	Moving forward in carcinogenicity assessment: Report of an EURL ECVAM/ESTIV workshop. <i>Toxicology in Vitro</i> , 2017, 45, 278-286.	2.4	49
47	Polybrominated diphenyl ether (PBDE) neurotoxicity: a systematic review and meta-analysis of animal evidence. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2018, 21, 269-289.	6.5	49
48	Chemical exposures in recently renovated low-income housing: Influence of building materials and occupant activities. <i>Environment International</i> , 2017, 109, 114-127.	10.0	47
49	Implications of Arsenic Genotoxicity for Dose Response of Carcinogenic Effects. <i>Regulatory Toxicology and Pharmacology</i> , 1996, 23, 87-105.	2.7	46
50	Breast cancer risk and drinking water contaminated by wastewater: a case control study. <i>Environmental Health</i> , 2006, 5, 28.	4.0	43
51	Systematic reviews and meta-analyses of human and animal evidence of prenatal diethylhexyl phthalate exposure and changes in male anogenital distance. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2018, 21, 207-226.	6.5	43
52	Screening for Chemical Contributions to Breast Cancer Risk: A Case Study for Chemical Safety Evaluation. <i>Environmental Health Perspectives</i> , 2015, 123, 1255-1264.	6.0	42
53	Evaluating chemical effects on mammary gland development: A critical need in disease prevention. <i>Reproductive Toxicology</i> , 2015, 54, 148-155.	2.9	42
54	Flame Retardant Chemicals in College Dormitories: Flammability Standards Influence Dust Concentrations. <i>Environmental Science & Technology</i> , 2017, 51, 4860-4869.	10.0	37

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55	Historical reconstruction of wastewater and land use impacts to groundwater used for public drinking water: Exposure assessment using chemical data and GIS. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2003, 13, 403-416.	3.9	35
56	Self-reported chemicals exposure, beliefs about disease causation, and risk of breast cancer in the Cape Cod Breast Cancer and Environment Study: a case-control study. <i>Environmental Health</i> , 2010, 9, 40.	4.0	33
57	Consumer behavior and exposure to parabens, bisphenols, triclosan, dichlorophenols, and benzophenone-3: Results from a crowdsourced biomonitoring study. <i>International Journal of Hygiene and Environmental Health</i> , 2020, 230, 113624.	4.3	30
58	Community-Initiated Breast Cancer and Environment Studies and the Precautionary Principle. <i>Environmental Health Perspectives</i> , 2005, 113, 920-925.	6.0	29
59	Toxics use reduction in the home: lessons learned from household exposure studies. <i>Journal of Cleaner Production</i> , 2011, 19, 438-444.	9.3	28
60	DERBI: A Digital Method to Help Researchers Offer "Right-to-Know" Personal Exposure Results. <i>Environmental Health Perspectives</i> , 2017, 125, A27-A33.	6.0	28
61	Integrating Exposure Knowledge and Serum Suspect Screening as a New Approach to Biomonitoring: An Application in Firefighters and Office Workers. <i>Environmental Science & Technology</i> , 2020, 54, 4344-4355.	10.0	27
62	Estimating Correlation with Multiply Censored Data Arising from the Adjustment of Singly Censored Data. <i>Environmental Science & Technology</i> , 2007, 41, 221-228.	10.0	24
63	Phthalates in Food Packaging, Consumer Products, and Indoor Environments. <i>Molecular and Integrative Toxicology</i> , 2014, , 31-59.	0.5	23
64	Life Years Lost at Hazardous Waste Sites: Remediation Worker Fatalities vs. Cancer Deaths to Nearby Residents. <i>Risk Analysis</i> , 1997, 17, 419-425.	2.7	20
65	US EPA's regulatory pesticide evaluations need clearer guidelines for considering mammary gland tumors and other mammary gland effects. <i>Molecular and Cellular Endocrinology</i> , 2020, 518, 110927.	3.2	18
66	Application of an <i>in Vitro</i> Assay to Identify Chemicals That Increase Estradiol and Progesterone Synthesis and Are Potential Breast Cancer Risk Factors. <i>Environmental Health Perspectives</i> , 2021, 129, 77003.	6.0	17
67	Organophosphate and Organohalogen Flame-Retardant Exposure and Thyroid Hormone Disruption in a Cross-Sectional Study of Female Firefighters and Office Workers from San Francisco. <i>Environmental Science & Technology</i> , 2022, 56, 440-450.	10.0	17
68	Associations between polyfluoroalkyl substance and organophosphate flame retardant exposures and telomere length in a cohort of women firefighters and office workers in San Francisco. <i>Environmental Health</i> , 2021, 20, 97.	4.0	16
69	Temporal variability of urinary di(2-ethylhexyl) phthalate metabolites during a dietary intervention study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014, 24, 595-601.	3.9	15
70	Analyzing terephthalate metabolites in human urine as biomarkers of exposure: Importance of selection of metabolites and deconjugation enzyme. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1100-1101, 91-92.	2.3	15
71	Passive indoor air sampling for consumer product chemicals: a field evaluation study. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 95-108.	3.9	15
72	FutureTox IV Workshop Summary: Predictive Toxicology for Healthy Children. <i>Toxicological Sciences</i> , 2021, 180, 198-211.	3.1	15

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73	Reactive Oxygen Species in the Adverse Outcome Pathway Framework: Toward Creation of Harmonized Consensus Key Events. <i>Frontiers in Toxicology</i> , 0, 4, .	3.1	14
74	Gaussian graphical modeling of the serum exposome and metabolome reveals interactions between environmental chemicals and endogenous metabolites. <i>Scientific Reports</i> , 2021, 11, 7607.	3.3	12
75	BCScreen: A gene panel to test for breast carcinogenesis in chemical safety screening. <i>Computational Toxicology</i> , 2018, 5, 16-24.	3.3	10
76	Flame Retardant Concentrations Are Lower in College Spaces Meeting the New Furniture Flammability Standard TB117-2013. <i>Environmental Science and Technology Letters</i> , 2020, 7, 833-839.	8.7	10
77	Novel application of normalized pointwise mutual information (NPMI) to mine biomedical literature for gene sets associated with disease: Use case in breast carcinogenesis. <i>Computational Toxicology</i> , 2018, 7, 46-57.	3.3	9
78	Mapping the Human Exposome to Uncover the Causes of Breast Cancer. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 189.	2.6	9
79	Privacy Risks of Sharing Data from Environmental Health Studies. <i>Environmental Health Perspectives</i> , 2020, 128, 17008.	6.0	9
80	[Arsenic Risk Assessment]: Response to Smith et al.. <i>Environmental Health Perspectives</i> , 1995, 103, 15.	6.0	7
81	Testing Chemicals for Effects on Breast Development, Lactation, and Cancer. <i>Environmental Health Perspectives</i> , 2011, 119, A326-7.	6.0	7
82	Rethinking Environmental Carcinogenesis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 1870-1875.	2.5	7
83	Reporting Individual Results for Environmental Chemicals in Breastmilk in a Context That Supports Breastfeeding. <i>Breastfeeding Medicine</i> , 2009, 4, 121-121.	1.7	6
84	Wrangling environmental exposure data: guidance for getting the best information from your laboratory measurements. <i>Environmental Health</i> , 2019, 18, 99.	4.0	6
85	Effects of Pubertal Exposure to Butyl Benzyl Phthalate, Perfluorooctanoic Acid, and Zeranone on Mammary Gland Development and Tumorigenesis in Rats. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1398.	4.1	6
86	Environmental Pollutants and Breast Cancer: The Evidence from Animal and Human Studies. <i>Breast Diseases</i> , 2008, 19, 17-19.	0.0	5
87	Response to Comment on "Elevated House Dust and Serum Concentrations of PBDEs in California: Unintended Consequences of Furniture Flammability Standards?" <i>Environmental Science & Technology</i> , 2009, 43, 2661-2662.	10.0	4
88	Chemical Analysis of Household and Personal Care Products for Endocrine Disrupting Compounds and Other Chemicals of Emerging Concern. <i>Epidemiology</i> , 2011, 22, S243-S244.	2.7	4
89	Health Toll From Open Flame and Cigarette-Started Fires on Flame-Retardant Furniture in Massachusetts, 2003-2016. <i>American Journal of Public Health</i> , 2019, 109, 1205-1211.	2.7	4
90	Predicting Health Effects of Exposures to Compounds with Estrogenic Activity: Methodological Issues. <i>Environmental Health Perspectives</i> , 1997, 105, 655.	6.0	3

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91	Accurate Risk-Based Chemical Screening Relies on Robust Exposure Estimates. <i>Toxicological Sciences</i> , 2012, 128, 295-296.	3.1	2
92	Response to "Comment on "Optimal Exposure Biomarkers for Nonpersistent Chemicals in Environmental Epidemiology": <i>Environmental Health Perspectives</i> , 2016, 124, A66-7.	6.0	2
93	Re: Measurement of endocrine disrupting and asthma-associated chemicals in hair products used by Black women. <i>Environmental Research</i> , 2019, 172, 719-721.	7.5	2
94	Residential History and Groundwater Modeling. <i>Environmental Health Perspectives</i> , 2010, 118, a378; author reply a378-9.	6.0	1
95	Semi-volatile Organic Compounds Distributions in Residential Dust Samples From 5 US Communities: Key Lessons for Improving Residential Exposure Assessment. <i>Epidemiology</i> , 2011, 22, S160-S161.	2.7	1
96	Long-term Integrated Sampling of Semivolatile Organic Compounds in Indoor Air: Measurement of Emerging Compounds Using Novel Active and Passive Sampling Methods. <i>Epidemiology</i> , 2011, 22, S160.	2.7	1
97	Influence of living in the same home on biomonitored levels of consumer product chemicals. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2021, , .	3.9	1
98	LETTER TO THE EDITOR, Exposure Assessment for Decabromodiphenyl Ether (decaBDE) is Likely to Underestimate General U.S. Population Exposure. <i>Journal of Children S Health</i> , 2005, 2, 171-173.	0.3	1
99	Partitioning Theory Applied to Paired Indoor Air and House Dust SVOC Measurements: Implications for Residential Exposure Measurements in Epidemiology Studies. <i>Epidemiology</i> , 2011, 22, S93.	2.7	0
100	Dietary Intervention and DEHP Reduction: Rudel et al. Respond. <i>Environmental Health Perspectives</i> , 2011, 119, .	6.0	0
101	Abstract 2304: Environmental pollutants and breast cancer: 2006-2016 epidemiological studies designed to evaluate biological hypotheses provide evidence of risk for certain pesticides, organic solvents, and products of combustion. , 2017, , .		0
102	Abstract 5742: Identifying likely breast carcinogens using complementary mechanistic approaches. , 2017, , .		0
103	Response to "Comment on "Application of an <i>in Vitro</i> Assay to Identify Chemicals That Increase Estradiol and Progesterone Synthesis and Are Potential Breast Cancer Risk Factors": <i>Environmental Health Perspectives</i> , 2022, 130, 58003.	6.0	0