Lawrence S Engel

List of Publications by Year
in descending order

126 papers	3,492 citations	185998 28 h-index	168136 53 g-index
126 all docs	126 docs citations	126 times ranked	4631 citing authors

#	Article	IF	Citations
1	Modeled Air Pollution from *In Situ* Burning and Flaring of Oil and Gas Released Following the *Deepwater Horizon* Disaster. Annals of Work Exposures and Health, 2022, 66, i172-i187.	0.6	25
2	Estimates of Occupational Inhalation Exposures to Six Oil-Related Compounds on the Four Rig Vessels Responding to the *Deepwater Horizon* Oil Spill. Annals of Work Exposures and Health, 2022, 66, i89-i110.	0.6	19
3	Estimation of Dermal Exposure to Oil Spill Response and Clean-up Workers after the *Deepwater Horizon* Disaster. Annals of Work Exposures and Health, 2022, 66, i234-i246.	0.6	16
4	Estimates of Inhalation Exposures to Oil-Related Components on the Supporting Vessels During the *Deepwater Horizon* Oil Spill. Annals of Work Exposures and Health, 2022, 66, i111-i123.	0.6	19
5	Methods for the Analysis of 26 Million VOC Area Measurements during the *Deepwater Horizon* Oil Spill Clean-up. Annals of Work Exposures and Health, 2022, 66, i140-i155.	0.6	13
6	Exposure Assessment Techniques Applied to the Highly Censored *Deepwater Horizon* Gulf Oil Spill Personal Measurements. Annals of Work Exposures and Health, 2022, 66, i56-i70.	0.6	11
7	Estimates of Inhalation Exposures among Land Workers during the *Deepwater Horizon* Oil Spill Clean-up Operations. Annals of Work Exposures and Health, 2022, 66, i124-i139.	0.6	17
8	Incidence of chronic respiratory conditions among oil spill responders: Five years of follow-up in the Deepwater Horizon Oil Spill Coast Guard Cohort study. Environmental Research, 2022, 203, 111824.	3.7	12
9	Using Real-Time Area VOC Measurements to Estimate Total Hydrocarbons Exposures to Workers Involved in the *Deepwater Horizon* Oil Spill. Annals of Work Exposures and Health, 2022, 66, i156-i171.	0.6	17
10	OUP accepted manuscript. Annals of Work Exposures and Health, 2022, 66, i23-i55.	0.6	7
11	Hurricane flooding and acute gastrointestinal illness in North Carolina. Science of the Total Environment, 2022, 809, 151108.	3.9	19
12	Acute and longer-term cardiovascular conditions in the Deepwater Horizon Oil Spill Coast Guard Cohort. Environment International, 2022, 158, 106937.	4.8	12
13	Estimation of Aerosol Concentrations of Oil Dispersants COREXITâ,,¢ EC9527A and EC9500A during the *Deepwater Horizon* Oil Spill Response and Clean-up Operations. Annals of Work Exposures and Health, 2022, 66, i188-i202.	0.6	4
14	Assessing Exposures from the *Deepwater Horizon* Oil Spill Response and Clean-up. Annals of Work Exposures and Health, 2022, 66, i3-i22.	0.6	7
15	Tracking the temporal variation of COVID-19 surges through wastewater-based epidemiology during the peak of the pandemic: A six-month long study in Charlotte, North Carolina. Science of the Total Environment, 2022, 814, 152503.	3.9	26
16	Fine Particulate Matter and Lung Function among Burning-Exposed *Deepwater Horizon* Oil Spill Workers. Environmental Health Perspectives, 2022, 130, 27001.	2.8	6
17	Association of Deepwater Horizon Oil Spill Response and Cleanup Work With Risk of Developing Hypertension. JAMA Network Open, 2022, 5, e220108.	2.8	6
18	Risk factors for acute mental health symptoms and tobacco initiation in Coast Guard Responders to the *Deepwater Horizon* oil spill. Journal of Traumatic Stress, 2022, 35, 1099-1114.	1.0	1

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19	Is maternal employment site a source of exposure misclassification in studies of environmental exposures and birth outcomes? A simulation-based bias analysis of haloacetic acids in tap water and hypospadias. Environmental Epidemiology, 2022, 6, e207.	1.4	2
20	Exposure to industrial hog operations and gastrointestinal illness in North Carolina, USA. Science of the Total Environment, 2022, 830, 154823.	3.9	8
21	The association between oil spill cleanup-related total hydrocarbon exposure and diabetes. Environmental Research, 2022, 212, 113591.	3.7	2
22	Prenatal Exposure to Organophosphorus Pesticides and Preschool ADHD in the Norwegian Mother, Father and Child Cohort Study. International Journal of Environmental Research and Public Health, 2022, 19, 8148.	1.2	4
23	Natural hazards and mental health among US Gulf Coast residents. Journal of Exposure Science and Environmental Epidemiology, 2021, 31, 842-851.	1.8	3
24	A Congener-specific and Mixture Analysis of Plasma Polychlorinated Biphenyl Levels and Incident Breast Cancer. Epidemiology, 2021, 32, 499-507.	1.2	10
25	Mental health indicators and lung function following a large oil spill. European Respiratory Journal, 2021, 58, 2100712.	3.1	3
26	Exposure to Industrial Hog Operations and Gastrointestinal Illness in North Carolina, USA. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
27	Ambient particulate matter, ozone, and neurologic symptoms in U.S. Gulf states adults. Environmental Epidemiology, 2021, 5, e160.	1.4	4
28	Occurrence of male-specific and somatic coliphages and relationship with rainfall in privately-owned wells from periâ€'urban and rural households. Water Research X, 2021, 12, 100102.	2.8	6
29	Estimation of Airborne Vapor Concentrations of Oil Dispersants COREXITâ„¢ EC9527A and EC9500A, Volatile Components Associated with the Deepwater Horizon Oil Spill Response and Clean-up Operations. Annals of Work Exposures and Health, 2021, , .	0.6	14
30	Proximity to Industrial Poultry and Hog Production and Emergency Department Visits for Urinary Tract Infection in North Carolina, USA. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
31	Exposure to Spill-related Chemicals and Incident Myocardial Infarction among Deepwater Horizon Response and Cleanup Workers. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
32	Linear Relationships Between Total Hydrocarbons and Benzene, Toluene, Ethylbenzene, Xylene, and n-Hexane during the Deepwater Horizon Response and Clean-up. Annals of Work Exposures and Health, 2021, , .	0.6	16
33	Spirometry quality predictors in a large multistate prospective study. Respiratory Medicine, 2021, 188, 106618.	1.3	0
34	The association between blood metals and hypertension in the GuLF study. Environmental Research, 2021, 202, 111734.	3.7	16
35	Prediagnostic blood levels of organochlorines and risk of nonâ€'Hodgkin lymphoma in three prospective cohorts in China and Singapore. International Journal of Cancer, 2020, 146, 839-849.	2.3	8
36	Associations Between Prediagnostic Concentrations of Circulating Sex Steroid Hormones and Liver Cancer Among Postmenopausal Women. Hepatology, 2020, 72, 535-547.	3.6	23

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37	Framework for a Community Health Observing System for the Gulf of Mexico Region: Preparing for Future Disasters. Frontiers in Public Health, 2020, 8, 578463.	1.3	13
38	Influence of KRAS mutations, persistent organic pollutants, and trace elements on survival from pancreatic ductal adenocarcinoma. Environmental Research, 2020, 190, 109781.	3.7	6
39	The association between residential proximity to brownfield sites and high-traffic areas and measures of immunity. Journal of Exposure Science and Environmental Epidemiology, 2020, 30, 824-834.	1.8	9
40	Prediagnostic serum polychlorinated biphenyl concentrations and primary liver cancer: A case-control study nested within two prospective cohorts. Environmental Research, 2020, 187, 109690.	3.7	10
41	Plasma levels of polychlorinated biphenyls (PCBs) and breast cancer mortality: The Carolina Breast Cancer Study. International Journal of Hygiene and Environmental Health, 2020, 227, 113522.	2.1	21
42	Blood BTEXS and heavy metal levels are associated with liver injury and systemic inflammation in Gulf states residents. Food and Chemical Toxicology, 2020, 139, 111242.	1.8	32
43	Lung function in oil spill responders 4-6 years after the Deepwater Horizon disaster. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2020, 83, 233-248.	1.1	10
44	Herbicide, fumigant, and fungicide use and breast cancer risk among farmers' wives. Environmental Epidemiology, 2020, 4, e097.	1.4	13
45	Prediagnostic serum concentrations of organochlorine pesticides and non-Hodgkin lymphoma: A nested case–control study in the Norwegian Janus Serum Bank Cohort. Environmental Research, 2020, 187, 109515.	3.7	3
46	Maternal Exposure to Disinfection By-Products and Risk of Hypospadias in the National Birth Defects Prevention Study (2000–2005). International Journal of Environmental Research and Public Health, 2020, 17, 9564.	1.2	3
47	Selenium modifies associations between multiple metals and neurologic symptoms in Gulf states residents. Environmental Epidemiology, 2020, 4, e115.	1.4	4
48	Developing Large-Scale Research in Response to an Oil Spill Disaster: a Case Study. Current Environmental Health Reports, 2019, 6, 174-187.	3.2	6
49	Neurological symptoms associated with oil spill response exposures: Results from the Deepwater Horizon Oil Spill Coast Guard Cohort Study. Environment International, 2019, 131, 104963.	4.8	25
50	GuLF DREAM: A Model to Estimate Dermal Exposure Among Oil Spill Response and Clean-up Workers. Annals of Work Exposures and Health, 2019, , .	0.6	13
51	Prediagnostic serum organochlorine insecticide concentrations and primary liver cancer: A case–control study nested within two prospective cohorts. International Journal of Cancer, 2019, 145, 2360-2371.	2.3	14
52	Plasma levels of dichlorodiphenyldichloroethene (DDE) and dichlorodiphenyltrichloroethane (DDT) and survival following breast cancer in the Carolina Breast Cancer Study. Environment International, 2019, 125, 161-171.	4.8	22
53	Airborne mammary carcinogens and breast cancer risk in the Sister Study. Environment International, 2019, 130, 104897.	4.8	18
54	Blood BTEX levels and neurologic symptoms in Gulf states residents. Environmental Research, 2019, 175, 100-107.	3.7	26

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55	Environmental Styrene Exposure and Sensory and Motor Function in Gulf Coast Residents. Environmental Health Perspectives, 2019, 127, 47006.	2.8	11
56	Cumulative Disaster Exposure and Mental and Physical Health Symptoms Among a Large Sample of Gulf Coast Residents. Journal of Traumatic Stress, 2019, 32, 196-205.	1.0	37
57	Exposure to Total Hydrocarbons During Cleanup of the Deepwater Horizon Oil Spill and Risk of Heart Attack Across 5 Years of Follow-up. American Journal of Epidemiology, 2019, 188, 917-927.	1.6	14
58	Determinants of environmental styrene exposure in Gulf coast residents. Journal of Exposure Science and Environmental Epidemiology, 2019, 29, 831-841.	1.8	5
59	Hazardous air pollutants and telomere length in the Sister Study. Environmental Epidemiology, 2019, 3, e053.	1.4	7
60	Deepwater Horizon oil spill exposures and neurobehavioral function in GuLF study participants. Environmental Research, 2019, 179, 108834.	3.7	9
61	Environmental Heat Exposure and Heat-Related Symptoms in United States Coast Guard Deepwater Horizon Disaster Responders. Disaster Medicine and Public Health Preparedness, 2019, 13, 561-569.	0.7	5
62	Self-reported myocardial infarction and fatal coronary heart disease among oil spill workers and community members 5 years after Deepwater Horizon. Environmental Research, 2019, 168, 70-79.	3.7	20
63	A joint spatial factor analysis model to accommodate data from misaligned areal units with application to Louisiana social vulnerability. Biostatistics, 2019, 20, 468-484.	0.9	6
64	The deepwater horizon oil spill coast guard cohort study: A cross-sectional study of acute respiratory health symptoms. Environmental Research, 2018, 162, 196-202.	3.7	37
65	Lung Function in Oil Spill Response Workers 1–3 Years After the Deepwater Horizon Disaster. Epidemiology, 2018, 29, 315-322.	1.2	25
66	Exposure to Oil Spill Chemicals and Lung Function in Deepwater Horizon Disaster Response Workers. Journal of Occupational and Environmental Medicine, 2018, 60, e312-e318.	0.9	13
67	Early Life Characteristics and Neurodevelopmental Phenotypes in the Mount Sinai Children's Environmental Health Center. Child Psychiatry and Human Development, 2018, 49, 534-550.	1.1	5
68	Predictors of blood volatile organic compound levels in Gulf coast residents. Journal of Exposure Science and Environmental Epidemiology, 2018, 28, 358-370.	1.8	10
69	The Deepwater Horizon Oil Spill Coast Guard Cohort study. Occupational and Environmental Medicine, 2018, 75, 165-175.	1.3	28
70	Serum cholesterol trajectories in the 10 years prior to lymphoma diagnosis. Cancer Causes and Control, 2018, 29, 143-156.	0.8	18
71	Development of a total hydrocarbon ordinal job-exposure matrix for workers responding to the Deepwater Horizon disaster: The GuLF STUDY. Journal of Exposure Science and Environmental Epidemiology, 2018, 28, 223-230.	1.8	31
72	Environmental styrene exposure and neurologic symptoms in U.S. Gulf coast residents. Environment International, 2018, 121, 480-490.	4.8	14

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73	Associations between Personal Care Product Use Patterns and Breast Cancer Risk among White and Black Women in the Sister Study. Environmental Health Perspectives, 2018, 126, 027011.	2.8	29
74	Association between Deepwater Horizon oil spill response and cleanup work experiences and lung function. Environment International, 2018, 121, 695-702.	4.8	21
75	Deepwater Horizon oil spill exposures and nonfatal myocardial infarction in the GuLF STUDY. Environmental Health, 2018, 17, 69.	1.7	16
76	Grilled, Barbecued, and Smoked Meat Intake and Survival Following Breast Cancer. Journal of the National Cancer Institute, 2017, 109, djw299.	3.0	31
77	Associations among personal care product use patterns and exogenous hormone use in the NIEHS Sister Study. Journal of Exposure Science and Environmental Epidemiology, 2017, 27, 458-464.	1.8	20
78	Bivariate Left-Censored Bayesian Model for Predicting Exposure: Preliminary Analysis of Worker Exposure during the Deepwater Horizon Oil Spill. Annals of Work Exposures and Health, 2017, 61, 76-86.	0.6	25
79	Statin use and risk of multiple myeloma: An analysis from the cancer research network. International Journal of Cancer, 2017, 141, 480-487.	2.3	18
80	The Gulf Long-Term Follow-Up Study (GuLF STUDY): Biospecimen collection at enrollment. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 218-229.	1.1	23
81	Associations between blood BTEXS concentrations and hematologic parameters among adult residents of the U.S. Gulf States. Environmental Research, 2017, 156, 579-587.	3.7	32
82	A pooled analysis of dietary sugar/carbohydrate intake and esophageal and gastric cardia adenocarcinoma incidence and survival in the USA. International Journal of Epidemiology, 2017, 46, 1836-1846.	0.9	23
83	Prenatal exposure to organophosphorus pesticides and childhood neurodevelopmental phenotypes. Environmental Research, 2017, 158, 737-747.	3.7	39
84	Environmental Tobacco Smoke Exposure and Survival Following Breast Cancer. Cancer Epidemiology Biomarkers and Prevention, 2017, 26, 278-280.	1.1	2
85	Mental health indicators associated with oil spill response and clean-up: cross-sectional analysis of the GuLF STUDY cohort. Lancet Public Health, The, 2017, 2, e560-e567.	4.7	37
86	Postdiagnosis Changes in Cigarette Smoking and Survival Following Breast Cancer. JNCI Cancer Spectrum, 2017, 1, .	1.4	27
87	Insecticide Use and Breast Cancer Risk among Farmers' Wives in the Agricultural Health Study. Environmental Health Perspectives, 2017, 125, 097002.	2.8	66
88	Military service, deployments, and exposures in relation to amyotrophic lateral sclerosis survival. PLoS ONE, 2017, 12, e0185751.	1.1	9
89	Respiratory, Dermal, and Eye Irritation Symptoms Associated with Corexit™ EC9527A/EC9500A following the <i>Deepwater Horizon</i> Oil Spill: Findings from the GuLF STUDY. Environmental Health Perspectives, 2017, 125, 097015.	2.8	30
90	The GuLF STUDY: A Prospective Study of Persons Involved in the <i>Deepwater Horizon</i> Oil Spill Response and Clean-Up. Environmental Health Perspectives, 2017, 125, 570-578.	2.8	102

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91	A Comparison of the Î²-Substitution Method and a Bayesian Method for Analyzing Left-Censored Data. Annals of Occupational Hygiene, 2016, 60, mev049.	1.9	33
92	Organochlorine insecticides DDT and chlordane in relation to survival following breast cancer. International Journal of Cancer, 2016, 138, 565-575.	2.3	40
93	Bayes and Empirical Bayes Methods for Reduced Rank Regression Models in Matched Case-Control Studies. Biometrics, 2016, 72, 584-595.	0.8	8
94	Obesity, diabetes, serum glucose, and risk of primary liver cancer by birth cohort, race/ethnicity, and sex: Multiphasic health checkup study. Cancer Epidemiology, 2016, 42, 140-146.	0.8	25
95	Why Does Disaster Recovery Work Influence Mental Health?: Pathways through Physical Health and Household Income. American Journal of Community Psychology, 2016, 58, 354-364.	1.2	18
96	Exposure to multiple sources of polycyclic aromatic hydrocarbons and breast cancer incidence. Environment International, 2016, 89-90, 185-192.	4.8	122
97	Military service, deployments, and exposures in relation to amyotrophic lateral sclerosis etiology. Environment International, 2016, 91, 104-115.	4.8	30
98	Polychlorinated biphenyls and their association with survival following breast cancer. European Journal of Cancer, 2016, 56, 21-30.	1.3	33
99	Pesticide use and risk of end-stage renal disease among licensed pesticide applicators in the Agricultural Health Study. Occupational and Environmental Medicine, 2016, 73, 3-12.	1.3	102
100	Mental health service use by cleanup workers in the aftermath of the Deepwater Horizon oil spill. Social Science and Medicine, 2015, 130, 125-134.	1.8	10
101	Dietary flavonoid intake and Barrett's esophagus in western Washington State. Annals of Epidemiology, 2015, 25, 730-735.e2.	0.9	6
102	Pesticide exposure and end-stage renal disease risk among wives of pesticide applicators in the Agricultural Health Study. Environmental Research, 2015, 143, 198-210.	3.7	44
103	Predictors and long-term reproducibility of urinary phthalate metabolites in middle-aged men and women living in urban Shanghai. Environment International, 2015, 84, 94-106.	4.8	20
104	0299â€¦The NIEHS GuLF STUDY: Recalculation of exposure measurement data between the limit of detection (LOD) reported by the laboratory and the analytical methodsâ€™ LODs. Occupational and Environmental Medicine, 2014, 71, A103.3-A104.	1.3	0
105	Comparison of Methods for Analyzing Left-Censored Occupational Exposure Data. Annals of Occupational Hygiene, 2014, 58, 1126-42.	1.9	39
106	Predictors and Variability of Repeat Measurements of Urinary Phenols and Parabens in a Cohort of Shanghai Women and Men. Environmental Health Perspectives, 2014, 122, 733-740.	2.8	89
107	0217â€¦The NIEHS GuLF STUDY: Mental Health Symptoms Among Participants Involved in the Deepwater Horizon Oil Spill Clean-up. Occupational and Environmental Medicine, 2014, 71, A29.1-A29.	1.3	0
108	Sun Exposure, Vitamin D Receptor Genetic Variants, and Risk of Breast Cancer in the Agricultural Health Study. Environmental Health Perspectives, 2014, 122, 165-171.	2.8	20

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109	Exploration of the use of Bayesian modeling of gradients for censored spatiotemporal data from the Deepwater Horizon oil spill. Spatial Statistics, 2014, 9, 166-179.	0.9	7
110	Blood acetylcholinesterase and butyrylcholinesterase as biomarkers of cholinesterase depression among pesticide handlers. Occupational and Environmental Medicine, 2014, 71, 842-847.	1.3	56
111	Statin use and risk of hepatocellular carcinoma in a U.S. population. Cancer Epidemiology, 2014, 38, 523-527.	0.8	44
112	0304â€¦The NIEHS GuLF STUDY: Estimate of workersâ€™ exposures through the inhalation route on seven response vessels near the well-site during the Deepwater Horizon oil spill. Occupational and Environmental Medicine, 2014, 71, A105.2-A105.	1.3	0
113	0296â€¦The NIEHS GuLF STUDY: Correlations of Concentrations Between Various Oil Chemicals and Total Hydrocarbons. Occupational and Environmental Medicine, 2014, 71, A102.3-A103.	1.3	0
114	0305â€¦ The NIEHS GuLF STUDY: Questionnaire Results and Use of Job Exposure Matrices to Link Inhalation and Dermal Exposure Estimates to Study Subjects0305â€¦ The NIEHS GuLF STUDY: Questionnaire Results and Use of Job Exposure Matrices to Link Inhalation and Dermal Exposure Estimates to Study Subjects. Occupational and Environmental Medicine, 2014, 71, A37.1-A37.	1.3	0
115	Gastrointestinal stromal tumors: a case-only analysis of single nucleotide polymorphisms and somatic mutations. Clinical Sarcoma Research, 2013, 3, 12.	2.3	10
116	Gastrointestinal Stromal Tumors, Somatic Mutations and Candidate Genetic Risk Variants. PLoS ONE, 2013, 8, e62119.	1.1	19
117	Vitamin D Receptor Gene Haplotypes and Polymorphisms and Risk of Breast Cancer: A Nested Caseâ€“Control Study. Cancer Epidemiology Biomarkers and Prevention, 2012, 21, 1856-1867.	1.1	35
118	Polychlorinated Biphenyls and Non-Hodgkin Lymphoma. Cancer Epidemiology Biomarkers and Prevention, 2007, 16, 373-376.	1.1	44
119	Polychlorinated Biphenyl Levels in Peripheral Blood and Non-Hodgkin's Lymphoma: A Report from Three Cohorts. Cancer Research, 2007, 67, 5545-5552.	0.4	78
120	Pesticide Use and Breast Cancer Risk among Farmers' Wives in the Agricultural Health Study. American Journal of Epidemiology, 2005, 161, 121-135.	1.6	147
121	Population Attributable Risks of Esophageal and Gastric Cancers. Journal of the National Cancer Institute, 2003, 95, 1404-1413.	3.0	675
122	Pooled Analysis and Meta-analysis of Glutathione S-Transferase M1 and Bladder Cancer: A HuGE Review. American Journal of Epidemiology, 2002, 156, 95-109.	1.6	209
123	Occupation and risk of esophageal and gastric cardia adenocarcinoma. American Journal of Industrial Medicine, 2002, 42, 11-22.	1.0	28
124	Factors associated with refusal to provide a buccal cell sample in the Agricultural Health Study. Cancer Epidemiology Biomarkers and Prevention, 2002, 11, 493-6.	1.1	11
125	National Farmworker Database: Establishing a farmworker cohort for epidemiologic research. American Journal of Industrial Medicine, 2001, 40, 612-618.	1.0	9
126	Development of a life events/icon calendar questionnaire to ascertain occupational histories and other characteristics of migrant farmworkers. American Journal of Industrial Medicine, 2001, 40, 490-501.	1.0	32