Lawrence D Lemke

List of Publications by Year
in descending order

22 papers	650 citations	623188 14 h-index	752256 20 g-index
22 all docs	22 docs citations	22 times ranked	668 citing authors

#	Article	IF	Citations
1	Influence of hydraulic property correlation on predicted dense nonaqueous phase liquid source zone architecture, mass recovery and contaminant flux. Water Resources Research, 2004, 40, .	1.7	81
2	Pilot-Scale Demonstration of Surfactant-Enhanced PCE Solubilization at the Bachman Road Site. 1. Site Characterization and Test Design. Environmental Science & Technology, 2005, 39, 1778-1790.	4.6	78
3	Intra-urban correlation and spatial variability of air toxics across an international airshed in Detroit, Michigan (USA) and Windsor, Ontario (Canada). Atmospheric Environment, 2010, 44, 1162-1174.	1.9	63
4	Influence of textural and wettability variations on predictions of DNAPL persistence and plume development in saturated porous media. Advances in Water Resources, 2004, 27, 411-427.	1.7	47
5	Dense nonaqueous phase liquid (DNAPL) source zone characterization: Influence of hydraulic property correlation on predictions of DNAPL infiltration and entrapment. Water Resources Research, 2004, 40, .	1.7	47
6	Portable X-ray fluorescence trace metal measurement in organic rich soils: pXRF response as a function of organic matter fraction. Geoderma, 2018, 319, 175-184.	2.3	46
7	Comparison of two-dimensional and three-dimensional simulations of dense nonaqueous phase liquids (DNAPLs): Migration and entrapment in a nonuniform permeability field. Water Resources Research, 2005, 41, .	1.7	43
8	Modeling dense nonaqueous phase liquid mass removal in nonuniform formations: Linking source-zone architecture and system response. , 2006, 2, 74.		38
9	Geospatial relationships of air pollution and acute asthma events across the Detroit–Windsor international border: Study design and preliminary results. Journal of Exposure Science and Environmental Epidemiology, 2014, 24, 346-357.	1.8	33
10	Spatial Variation of Soil Lead in an Urban Community Garden: Implications for Risk‐Based Sampling. Risk Analysis, 2014, 34, 17-27.	1.5	26
11	Prenatal airshed pollutants and preterm birth in an observational birth cohort study in Detroit, Michigan, USA. Environmental Research, 2020, 189, 109845.	3.7	25
12	Modeling spatiotemporal variability of intra-urban air pollutants in Detroit: A pragmatic approach. Atmospheric Environment, 2014, 94, 417-427.	1.9	22
13	The influence of dimensionality on simulations of mass recovery from nonuniform dense non-aqueous phase liquid (DNAPL) source zones. Advances in Water Resources, 2009, 32, 401-412.	1.7	21
14	Partitioned multiobjective risk modeling of carcinogenic compounds in groundwater. Stochastic Environmental Research and Risk Assessment, 2009, 23, 27-39.	1.9	17
15	A workshop on transitioning cities at the food-energy-water nexus. Journal of Environmental Studies and Sciences, 2016, 6, 90-103.	0.9	15
16	Ambient BTEX exposure and mid-pregnancy inflammatory biomarkers in pregnant African American women. Journal of Reproductive Immunology, 2021, 145, 103305.	0.8	15
17	Matching Solute Breakthrough with Deterministic and Stochastic Aquifer Models. Ground Water, 2004, 42, 920-939.	0.7	10
18	Interannual variation of air quality across an international airshed in Detroit (USA) and Windsor (Canada): A comparison of two sampling campaigns in both cities. Atmospheric Environment, 2019, 198, 417-426.	1.9	7

#	Article	IF	Citations
19	Postaudit evaluation of conceptual model uncertainty for a glacial aquifer groundwater flow and contaminant transport model. Hydrogeology Journal, 2010, 18, 945-958.	0.9	6
20	Evidence for natural attenuation of 1,4-dioxane in a glacial aquifer system. Hydrogeology Journal, 2019, 27, 3009-3024.	0.9	6
21	Evaluation of 1,4-dioxane attenuation processes at the Gelman Site, Michigan, USA. Science of the Total Environment, 2022, 823, 153634.	3.9	4
22	Determination of 1,4‐dioxane in water samples using freeze‐assisted liquid–liquid extraction and gas chromatography‐mass spectrometry with select reaction monitoring. Journal of Separation Science, 2021, 44, 860-869.	1.3	0