

Kelly G Pennell

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,149
citations

361413

20
h-index

377865

34
g-index

40
all docs

40
docs citations

40
times ranked

950
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics and Mechanisms of Nanosilver Oxysulfidation. <i>Environmental Science & Technology</i> , 2011, 45, 7345-7353.	10.0	223
2	Simulation of the Vapor Intrusion Process for Nonhomogeneous Soils Using a Three-Dimensional Numerical Model. <i>Ground Water Monitoring and Remediation</i> , 2009, 29, 92-104.	0.8	76
3	A Review of Vapor Intrusion Models. <i>Environmental Science & Technology</i> , 2013, 47, 2457-2470.	10.0	76
4	Development and Application of a Three-Dimensional Finite Element Vapor Intrusion Model. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 447-460.	1.9	73
5	Comparison of the Johnson-Ettinger Vapor Intrusion Screening Model Predictions with Full Three-Dimensional Model Results. <i>Environmental Science & Technology</i> , 2011, 45, 2227-2235.	10.0	54
6	Performance of passive samplers for monitoring estuarine water column concentrations: 1. Contaminants of concern. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 2182-2189.	4.3	47
7	Estimation of contaminant subslab concentration in vapor intrusion. <i>Journal of Hazardous Materials</i> , 2012, 231-232, 10-17.	12.4	46
8	Influence of Soil Moisture on Soil Gas Vapor Concentration for Vapor Intrusion. <i>Environmental Engineering Science</i> , 2013, 30, 628-637.	1.6	43
9	A numerical investigation of vapor intrusion – The dynamic response of contaminant vapors to rainfall events. <i>Science of the Total Environment</i> , 2012, 437, 110-120.	8.0	38
10	Sewer Gas: An Indoor Air Source of PCE to Consider During Vapor Intrusion Investigations. <i>Ground Water Monitoring and Remediation</i> , 2013, 33, 119-126.	0.8	34
11	Phenotypic persistence and external shielding ultraviolet radiation inactivation kinetic model. <i>Journal of Applied Microbiology</i> , 2008, 104, 1192-1202.	3.1	33
12	Bridging Research and Environmental Regulatory Processes: The Role of Knowledge Brokers. <i>Environmental Science & Technology</i> , 2013, 47, 11985-11992.	10.0	31
13	Examination of the Influence of Environmental Factors on Contaminant Vapor Concentration Attenuation Factors Using the U.S. EPA's Vapor Intrusion Database. <i>Environmental Science & Technology</i> , 2013, 47, 906-913.	10.0	30
14	Performance of passive samplers for monitoring estuarine water column concentrations: 2. Emerging contaminants. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 2190-2196.	4.3	27
15	EVALUATION OF THE EFFECTS OF COAL FLY ASH AMENDMENTS ON THE TOXICITY OF A CONTAMINATED MARINE SEDIMENT. <i>Environmental Toxicology and Chemistry</i> , 2009, 28, 26.	4.3	26
16	Estimation of Contaminant Subslab Concentration in Vapor Intrusion Including Lateral Source-Building Separation. <i>Vadose Zone Journal</i> , 2013, 12, 1-9.	2.2	26
17	Simulating the effect of slab features on vapor intrusion of crack entry. <i>Building and Environment</i> , 2013, 59, 417-425.	6.9	22
18	Analytical modeling of the subsurface volatile organic vapor concentration in vapor intrusion. <i>Chemosphere</i> , 2014, 95, 140-149.	8.2	22

#	ARTICLE	IF	CITATIONS
19	Vapor intrusion in urban settings: effect of foundation features and source location. <i>Procedia Environmental Sciences</i> , 2011, 4, 245-250.	1.4	20
20	Modeling quantification of the influence of soil moisture on subslab vapor concentration. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 1444.	3.5	20
21	Formaldehyde concentrations in household air of asthma patients determined using colorimetric detector tubes. <i>Indoor Air</i> , 2013, 23, 285-294.	4.3	20
22	Sequential Inactivation of <i>Bacillus Subtilis</i> Spores with Ultraviolet Radiation and Iodine. <i>Journal of Environmental Engineering, ASCE</i> , 2008, 134, 513-520.	1.4	19
23	US residential building air exchange rates: new perspectives to improve decision making at vapor intrusion sites. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 87-100.	3.5	18
24	Occurrence of chlorinated volatile organic compounds (VOCs) in a sanitary sewer system: Implications for assessing vapor intrusion alternative pathways. <i>Science of the Total Environment</i> , 2018, 616-617, 1149-1162.	8.0	16
25	Examination of the U.S. EPA's vapor intrusion database based on models. <i>Environmental Science & Technology</i> , 2013, 47, 130107231555002.	10.0	14
26	Three-dimensional vapor intrusion modeling approach that combines wind and stack effects on indoor, atmospheric, and subsurface domains. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 1594-1607.	3.5	14
27	Field data and numerical modeling: A multiple lines of evidence approach for assessing vapor intrusion exposure risks. <i>Science of the Total Environment</i> , 2016, 556, 291-301.	8.0	13
28	Comparison of modeled and measured indoor air trichloroethene (TCE) concentrations at a vapor intrusion site: influence of wind, temperature, and building characteristics. <i>Environmental Sciences: Processes and Impacts</i> , 2020, 22, 802-811.	3.5	12
29	Direct injection analysis of per and polyfluoroalkyl substances in surface and drinking water by sample filtration and liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2021, 1653, 462426.	3.7	11
30	Balancing incomplete COVID-19 evidence and local priorities: risk communication and stakeholder engagement strategies for school re-opening. <i>Reviews on Environmental Health</i> , 2021, 36, 27-37.	2.4	8
31	Development and Performance of a Fluence Rate Distribution Model for a Cylindrical Excimer Lamp. <i>Environmental Science & Technology</i> , 2008, 42, 1605-1614.	10.0	7
32	A variance decomposition approach to uncertainty quantification and sensitivity analysis of the Johnson and Ettinger model. <i>Journal of the Air and Waste Management Association</i> , 2015, 65, 154-164.	1.9	7
33	Air exchange rates and alternative vapor entry pathways to inform vapor intrusion exposure risk assessments. <i>Reviews on Environmental Health</i> , 2017, 32, 27-33.	2.4	7
34	Building science approaches for vapor intrusion studies. <i>Reviews on Environmental Health</i> , 2019, 34, 245-250.	2.4	6
35	Measuring vapor intrusion: from source science politics to a transdisciplinary approach. <i>Environmental Sociology</i> , 2017, 3, 145-154.	2.9	4
36	A geospatial and binomial logistic regression model to prioritize sampling for per- and polyfluorinated alkyl substances in public water systems. <i>Integrated Environmental Assessment and Management</i> , 2023, 19, 163-174.	2.9	4

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37	Modeling Fate and Transport of Volatile Organic Compounds (VOCs) Inside Sewer Systems. Ground Water Monitoring and Remediation, 2021, 41, 112-121.	0.8	1
38	Appalachian Environmental Health Literacy: Building Knowledge and Skills to Protect Health. Journal of Appalachian Health, 2020, 2, 47-53.	0.2	1
39	Comments and Corrections to: "The Emperor's Old Clothes: An Inconvenient Truth About Currently Accepted Vapor Intrusion Assessment Methods," and "Emperor's Old Clothes Revisited," Two Recent Editorials by Mark Kram. Ground Water Monitoring and Remediation, 2016, 36, 84-87.	0.8	0
40	Community forum identifies opportunities to engage with Eastern Kentucky community leaders about chronic disease and environmental pollution. Applied Environmental Education and Communication, 2020, 19, 187-204.	1.1	0