

Iason Verginelli

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Modeling of soil gas radon as an in situ partitioning tracer for quantifying LNAPL contamination. <i>Science of the Total Environment</i> , 2022, 806, 150593.	3.9	6
2	<i>In Situ</i> Equilibrium Polyethylene Passive Sampling of Soil Gas VOC Concentrations: Modeling, Parameter Determinations, and Laboratory Testing. <i>Environmental Science & Technology</i> , 2022, 56, 7810-7819.	4.6	15
3	Review of reference values for the assessment of inhalation risks for workers at industrial contaminated sites. <i>Human and Ecological Risk Assessment (HERA)</i> , 2022, 28, 664-682.	1.7	1
4	Optimization of the Biostabilization Process of an Italian Mechanical Biological Treatment Plant to Account for Changes in Waste Composition. <i>Waste and Biomass Valorization</i> , 2022, 13, 3787-3800.	1.8	3
5	Synthesis and Characterization of Zero-Valent Fe-Cu and Fe-Ni Bimetals for the Dehalogenation of Trichloroethylene Vapors. <i>Sustainability</i> , 2022, 14, 7760.	1.6	2
6	Total organic carbon as a proxy for metal release from biostabilized wastes. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24650-24662.	2.7	1
7	A Review of Recent Vapor Intrusion Modeling Work. <i>Ground Water Monitoring and Remediation</i> , 2021, 41, 138-144.	0.6	13
8	Numerical study of building pressure cycling to generate sub-foundation aerobic barrier for mitigating petroleum vapor intrusion. <i>Science of the Total Environment</i> , 2021, 779, 146460.	3.9	1
9	Refinement of the gradient method for the estimation of natural source zone depletion at petroleum contaminated sites. <i>Journal of Contaminant Hydrology</i> , 2021, 241, 103807.	1.6	10
10	Horizontal permeable reactive barriers with zero-valent iron for preventing upward diffusion of chlorinated solvent vapors in the unsaturated zone. <i>Journal of Contaminant Hydrology</i> , 2020, 234, 103687.	1.6	4
11	Humic acids extracted from compost as amendments for Fenton treatment of diesel-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2020, 27, 22225-22234.	2.7	17
12	Dehalogenation of trichloroethylene vapors by partially saturated zero-valent iron. <i>Science of the Total Environment</i> , 2019, 647, 682-689.	3.9	9
13	Risk Assessment Tool for Chlorinated Vapor Intrusion Based on a Two-Dimensional Analytical Model Involving Vertical Heterogeneity. <i>Environmental Engineering Science</i> , 2019, 36, 969-980.	0.8	2
14	Performance of passive sampling with low-density polyethylene membranes for the estimation of freely dissolved DDX concentrations in lake environments. <i>Chemosphere</i> , 2018, 200, 227-236.	4.2	16
15	Examining the Use of USEPA's Generic Attenuation Factor in Determining Groundwater Screening Levels for Vapor Intrusion. <i>Ground Water Monitoring and Remediation</i> , 2018, 38, 79-89.	0.6	13
16	Using dynamic flux chambers to estimate the natural attenuation rates in the subsurface at petroleum contaminated sites. <i>Science of the Total Environment</i> , 2018, 619-620, 470-479.	3.9	14
17	A risk-based approach for assessing the recycling potential of an alkaline waste material as road sub-base filler material. <i>Waste Management</i> , 2018, 71, 440-453.	3.7	5
18	Leaching behaviour of incineration bottom ash in a reuse scenario: 12 years-field data vs. lab test results. <i>Waste Management</i> , 2018, 73, 367-380.	3.7	33

#	ARTICLE	IF	CITATIONS
19	Investigating the Role of Soil Texture in Petroleum Vapor Intrusion. <i>Journal of Environmental Quality</i> , 2018, 47, 1179-1185.	1.0	7
20	Examining the role of sub-foundation soil texture in chlorinated vapor intrusion from groundwater sources with a two-layer numerical model. <i>Journal of Hazardous Materials</i> , 2018, 359, 544-553.	6.5	15
21	Analytical model for the design of in situ horizontal permeable reactive barriers (HPRBs) for the mitigation of chlorinated solvent vapors in the unsaturated zone. <i>Journal of Contaminant Hydrology</i> , 2017, 197, 50-61.	1.6	8
22	A two-dimensional analytical model of vapor intrusion involving vertical heterogeneity. <i>Water Resources Research</i> , 2017, 53, 4499-4513.	1.7	27
23	An alternative screening model for the estimation of outdoor air concentration at large contaminated sites. <i>Atmospheric Environment</i> , 2017, 165, 349-358.	1.9	3
24	Comparison between PVI2D and Abreu's Johnson's Model for Petroleum Vapor Intrusion Assessment. <i>Vadose Zone Journal</i> , 2016, 15, 1-11.	1.3	3
25	An easy-to-use tool for the evaluation of leachate production at landfill sites. <i>Waste Management</i> , 2016, 55, 204-219.	3.7	34
26	Catalyzed hydrogen peroxide combined with CO ₂ sparging for the treatment of contaminated groundwater. <i>Chemical Engineering Journal</i> , 2016, 300, 119-126.	6.6	12
27	A Methodological Approach to Assess the Dissolution of Residual LNAPL in Saturated Porous Media and Its Effect on Groundwater Quality: Preliminary Experimental Results. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	1.1	8
28	Analysis and interpretation of the leaching behaviour of waste thermal treatment bottom ash by batch and column tests. <i>Waste Management</i> , 2016, 56, 216-228.	3.7	28
29	A two-dimensional analytical model of petroleum vapor intrusion. <i>Water Resources Research</i> , 2016, 52, 1528-1539.	1.7	32
30	An Excel-Based Visualization Tool of Two-Dimensional Soil Gas Concentration Profiles in Petroleum Vapor Intrusion. <i>Ground Water Monitoring and Remediation</i> , 2016, 36, 94-100.	0.6	10
31	Role of the source to building lateral separation distance in petroleum vapor intrusion. <i>Journal of Contaminant Hydrology</i> , 2016, 189, 58-67.	1.6	20
32	Estimating the oxygenated zone beneath building foundations for petroleum vapor intrusion assessment. <i>Journal of Hazardous Materials</i> , 2016, 312, 84-96.	6.5	19
33	Analysis and modeling of metals release from MBT wastes through batch and up-flow column tests. <i>Waste Management</i> , 2015, 38, 22-32.	3.7	28
34	A Petroleum Vapor Intrusion Model Involving Upward Advective Soil Gas Flow Due to Methane Generation. <i>Environmental Science & Technology</i> , 2015, 49, 11577-11585.	4.6	27
35	Assessment of biogas production from MBT waste under different operating conditions. <i>Waste Management</i> , 2015, 43, 37-49.	3.7	22
36	The fate of MtBE during Fenton-like treatments through laboratory scale column tests. <i>Journal of Contaminant Hydrology</i> , 2015, 183, 99-108.	1.6	11

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37	Vapor Intrusion Screening Model for the Evaluation of Risk-Based Vertical Exclusion Distances at Petroleum Contaminated Sites. <i>Environmental Science & Technology</i> , 2014, 48, 13263-13272.	4.6	28
38	Pilot-scale ISCO treatment of a MtBE contaminated site using a Fenton-like process. <i>Science of the Total Environment</i> , 2014, 485-486, 726-738.	3.9	27
39	A new screening model for leachate production assessment at landfill sites. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 1503-1516.	1.8	35
40	Development of technical guidelines for the application of in-situ chemical oxidation to groundwater remediation. <i>Journal of Cleaner Production</i> , 2014, 77, 47-55.	4.6	53
41	Role of natural attenuation in modeling the leaching of contaminants in the risk analysis framework. <i>Journal of Environmental Management</i> , 2013, 114, 395-403.	3.8	31
42	Modeling of vapor intrusion from hydrocarbon-contaminated sources accounting for aerobic and anaerobic biodegradation. <i>Journal of Contaminant Hydrology</i> , 2011, 126, 167-180.	1.6	30
43	Human health risk assessment: Models for predicting the effective exposure duration of on-site receptors exposed to contaminated groundwater. <i>Journal of Hazardous Materials</i> , 2010, 181, 226-233.	6.5	31