Iason Verginelli

List of Publications by Year
in descending order

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43 papers	714 citations	471509 17 h-index	580821 25 g-index
43 all docs	43 docs citations	43 times ranked	539 citing authors

#	Article	IF	Citations
1	Modeling of soil gas radon as an in situ partitioning tracer for quantifying LNAPL contamination. Science of the Total Environment, 2022, 806, 150593.	8.0	6
2	In Situ Equilibrium Polyethylene Passive Sampling of Soil Gas VOC Concentrations: Modeling, Parameter Determinations, and Laboratory Testing. Environmental Science & Technology, 2022, 56, 7810-7819.	10.0	15
3	Review of reference values for the assessment of inhalation risks for workers at industrial contaminated sites. Human and Ecological Risk Assessment (HERA), 2022, 28, 664-682.	3.4	1
4	Optimization of the Biostabilization Process of an Italian Mechanicalâ€“Biological Treatment Plant to Account for Changes in Waste Composition. Waste and Biomass Valorization, 2022, 13, 3787-3800.	3.4	3
5	Synthesis and Characterization of Zero-Valent Fe-Cu and Fe-Ni Bimetals for the Dehalogenation of Trichloroethylene Vapors. Sustainability, 2022, 14, 7760.	3.2	2
6	Total organic carbon as a proxy for metal release from biostabilized wastes. Environmental Science and Pollution Research, 2021, 28, 24650-24662.	5.3	1
7	A Review of Recent Vapor Intrusion Modeling Work. Ground Water Monitoring and Remediation, 2021, 41, 138-144.	0.8	13
8	Numerical study of building pressure cycling to generate sub-foundation aerobic barrier for mitigating petroleum vapor intrusion. Science of the Total Environment, 2021, 779, 146460.	8.0	1
9	Refinement of the gradient method for the estimation of natural source zone depletion at petroleum contaminated sites. Journal of Contaminant Hydrology, 2021, 241, 103807.	3.3	10
10	Horizontal permeable reactive barriers with zero-valent iron for preventing upward diffusion of chlorinated solvent vapors in the unsaturated zone. Journal of Contaminant Hydrology, 2020, 234, 103687.	3.3	4
11	Humic acids extracted from compost as amendments for Fenton treatment of diesel-contaminated soil. Environmental Science and Pollution Research, 2020, 27, 22225-22234.	5.3	17
12	Dehalogenation of trichloroethylene vapors by partially saturated zero-valent iron. Science of the Total Environment, 2019, 647, 682-689.	8.0	9
13	Risk Assessment Tool for Chlorinated Vapor Intrusion Based on a Two-Dimensional Analytical Model Involving Vertical Heterogeneity. Environmental Engineering Science, 2019, 36, 969-980.	1.6	2
14	Performance of passive sampling with low-density polyethylene membranes for the estimation of freely dissolved DDx concentrations in lake environments. Chemosphere, 2018, 200, 227-236.	8.2	16
15	Examining the Use of USEPA's Generic Attenuation Factor in Determining Groundwater Screening Levels for Vapor Intrusion. Ground Water Monitoring and Remediation, 2018, 38, 79-89.	0.8	13
16	Using dynamic flux chambers to estimate the natural attenuation rates in the subsurface at petroleum contaminated sites. Science of the Total Environment, 2018, 619-620, 470-479.	8.0	14
17	A risk-based approach for assessing the recycling potential of an alkaline waste material as road sub-base filler material. Waste Management, 2018, 71, 440-453.	7.4	5
18	Leaching behaviour of incineration bottom ash in a reuse scenario: 12 years-field data vs. lab test results. Waste Management, 2018, 73, 367-380.	7.4	33

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19	Investigating the Role of Soil Texture in Petroleum Vapor Intrusion. Journal of Environmental Quality, 2018, 47, 1179-1185.	2.0	7
20	Examining the role of sub-foundation soil texture in chlorinated vapor intrusion from groundwater sources with a two-layer numerical model. Journal of Hazardous Materials, 2018, 359, 544-553.	12.4	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. Journal of Contaminant Hydrology, 2017, 197, 50-61.	3.3	8
22	A twoâ€dimensional analytical model of vapor intrusion involving vertical heterogeneity. Water Resources Research, 2017, 53, 4499-4513.	4.2	27
23	An alternative screening model for the estimation of outdoor air concentration at large contaminated sites. Atmospheric Environment, 2017, 165, 349-358.	4.1	3
24	Comparison between PVI2D and Abreuâ€“Johnson's Model for Petroleum Vapor Intrusion Assessment. Vadose Zone Journal, 2016, 15, 1-11.	2.2	3
25	An easy-to-use tool for the evaluation of leachate production at landfill sites. Waste Management, 2016, 55, 204-219.	7.4	34
26	Catalyzed hydrogen peroxide combined with CO2 sparging for the treatment of contaminated groundwater. Chemical Engineering Journal, 2016, 300, 119-126.	12.7	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. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	8
28	Analysis and interpretation of the leaching behaviour of waste thermal treatment bottom ash by batch and column tests. Waste Management, 2016, 56, 216-228.	7.4	28
29	A twoâ€dimensional analytical model of petroleum vapor intrusion. Water Resources Research, 2016, 52, 1528-1539.	4.2	32
30	An Excel^{Â®}â€Based Visualization Tool of Twoâ€Dimensional Soil Gas Concentration Profiles in Petroleum Vapor Intrusion. Ground Water Monitoring and Remediation, 2016, 36, 94-100.	0.8	10
31	Role of the source to building lateral separation distance in petroleum vapor intrusion. Journal of Contaminant Hydrology, 2016, 189, 58-67.	3.3	20
32	Estimating the oxygenated zone beneath building foundations for petroleum vapor intrusion assessment. Journal of Hazardous Materials, 2016, 312, 84-96.	12.4	19
33	Analysis and modeling of metals release from MBT wastes through batch and up-flow column tests. Waste Management, 2015, 38, 22-32.	7.4	28
34	A Petroleum Vapor Intrusion Model Involving Upward Advective Soil Gas Flow Due to Methane Generation. Environmental Science & Technology, 2015, 49, 11577-11585.	10.0	27
35	Assessment of biogas production from MBT waste under different operating conditions. Waste Management, 2015, 43, 37-49.	7.4	22
36	The fate of MtBE during Fenton-like treatments through laboratory scale column tests. Journal of Contaminant Hydrology, 2015, 183, 99-108.	3.3	11

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37	Vapor Intrusion Screening Model for the Evaluation of Risk-Based Vertical Exclusion Distances at Petroleum Contaminated Sites. Environmental Science & Technology, 2014, 48, 13263-13272.	10.0	28
38	Pilot-scale ISCO treatment of a MtBE contaminated site using a Fenton-like process. Science of the Total Environment, 2014, 485-486, 726-738.	8.0	27
39	A new screening model for leachate production assessment at landfill sites. International Journal of Environmental Science and Technology, 2014, 11, 1503-1516.	3.5	35
40	Development of technical guidelines for the application of in-situ chemical oxidation to groundwater remediation. Journal of Cleaner Production, 2014, 77, 47-55.	9.3	53
41	Role of natural attenuation in modeling the leaching of contaminants in the risk analysis framework. Journal of Environmental Management, 2013, 114, 395-403.	7.8	31
42	Modeling of vapor intrusion from hydrocarbon-contaminated sources accounting for aerobic and anaerobic biodegradation. Journal of Contaminant Hydrology, 2011, 126, 167-180.	3.3	30
43	Human health risk assessment: Models for predicting the effective exposure duration of on-site receptors exposed to contaminated groundwater. Journal of Hazardous Materials, 2010, 181, 226-233.	12.4	31