StÃ©fan Colombano

List of Publications by Year
in descending order

26 papers	382 citations	840728 11 h-index	794568 19 g-index
26 all docs	26 docs citations	26 times ranked	466 citing authors

#	Article	IF	Citations
1	Permanganate oxidation of polycyclic aromatic compounds (PAHs and polar PACs): column experiments with DNAPL at residual saturation. Environmental Science and Pollution Research, 2022, 29, 15966-15982.	5.3	0
2	Influence of the fluidâ€“fluid drag on the pressure drop in simulations of two-phase flows through porous flow cells. International Journal of Multiphase Flow, 2022, 149, 103987.	3.4	2
3	Experimental study of rheological behavior of foam flow in capillary tubes. Journal of Non-Newtonian Fluid Mechanics, 2022, 302, 104774.	2.4	5
4	DNAPL flow and complex electrical resistivity evolution in saturated porous media: A coupled numerical simulation. Journal of Contaminant Hydrology, 2022, 248, 104003.	3.3	4
5	Modeling and monitoring of foam propagation in highly permeable porous media under lateral water flow. Advances in Water Resources, 2022, 166, 104225.	3.8	4
6	Experimental study of thermally enhanced recovery of high-viscosity DNAPL in saturated porous media under non-isothermal conditions. Journal of Contaminant Hydrology, 2021, 243, 103861.	3.3	11
7	Experimental study of foam propagation and stability in highly permeable porous media under lateral water flow: Diverting groundwater for application to soil remediation. Journal of Contaminant Hydrology, 2021, 243, 103917.	3.3	9
8	The influence of temperature on the dielectric permittivity and complex electrical resistivity of porous media saturated with DNAPLs: A laboratory study. Journal of Applied Geophysics, 2020, 172, 103921.	2.1	21
9	Production of biosurfactant using the endemic bacterial community of a PAHs contaminated soil, and its potential use for PAHs remobilization. Science of the Total Environment, 2020, 709, 136143.	8.0	40
10	FerrateVI oxidation of polycyclic aromatic compounds (PAHs and polar PACs) on DNAPL-spiked sand: degradation efficiency and oxygenated by-product formation compared to conventional oxidants. Environmental Science and Pollution Research, 2020, 27, 704-716.	5.3	10
11	Thermal and chemical enhanced recovery of heavy chlorinated organic compounds in saturated porous media: 1D cell drainage-imbibition experiments. Science of the Total Environment, 2020, 706, 135758.	8.0	19
12	Experimental study of the temperature effect on two-phase flow properties in highly permeable porous media: Application to the remediation of dense non-aqueous phase liquids (DNAPLs) in polluted soil. Advances in Water Resources, 2020, 146, 103783.	3.8	26
13	Experimental and numerical upscaling of foam flow in highly permeable porous media. Advances in Water Resources, 2020, 146, 103761.	3.8	20
14	Experimental Study of Foam Flow in Highly Permeable Porous Media for Soil Remediation. Transport in Porous Media, 2020, 134, 231-247.	2.6	13
15	In Situ Chemical Reduction of Chlorinated Organic Compounds. Applied Environmental Science and Engineering for A Sustainable Future, 2020, , 283-398.	0.5	3
16	Complex Electrical Resistivity and Dielectric Permittivity Responses to Dense Non-aqueous Phase Liquids' Imbibition and Drainage in Porous Media: A Laboratory Study. Journal of Environmental and Engineering Geophysics, 2020, 25, 557-567.	0.5	3
17	Free Product Recovery of Non-aqueous Phase Liquids in Contaminated Sites: Theory and Case Studies. Applied Environmental Science and Engineering for A Sustainable Future, 2020, , 61-148.	0.5	0
18	Targeted delivery of hydrogen for the bioremediation of aquifers contaminated by dissolved chlorinated compounds. Environmental Pollution, 2019, 249, 443-452.	7.5	10

#	Article	IF	Citations
19	Elucidating the dechlorination mechanism of hexachloroethane by Pd-doped zerovalent iron microparticles in dissolved lactic acid polymers using chromatography and indirect monitoring of iron corrosion. Environmental Science and Pollution Research, 2019, 26, 7177-7194.	5.3	4
20	Assessment of flushing methods for the removal of heavy chlorinated compounds DNAPL in an alluvial aquifer. Science of the Total Environment, 2018, 612, 1149-1158.	8.0	39
21	3D numerical modelling of a pulsed pumping process of a large DNAPL pool: In situ pilot-scale case study of hexachlorobutadiene in a keyed enclosure. Journal of Contaminant Hydrology, 2018, 214, 24-38.	3.3	7
22	Bioremediation of PAH-contamined soils: Consequences on formation and degradation of polar-polycyclic aromatic compounds and microbial community abundance. Journal of Hazardous Materials, 2017, 329, 1-10.	12.4	53
23	Fast method to quantify PAHs in contaminated soils by direct thermodesorption using analytical pyrolysis. Talanta, 2017, 166, 241-248.	5.5	16
24	Reductive Dechlorination of Hexachlorobutadiene by a Pd/Fe Microparticle Suspension in Dissolved Lactic Acid Polymers: Degradation Mechanism and Kinetics. Industrial & Engineering Chemistry Research, 2017, 56, 12092-12100.	3.7	13
25	Influence of Temperature and Surfactants on the Solubilization of Hexachlorobutadiene and Hexachloroethane. Journal of Chemical & Engineering Data, 2017, 62, 3252-3260.	1.9	10
26	Effect of pre-heating on the chemical oxidation efficiency: Implications for the PAH availability measurement in contaminated soils. Journal of Hazardous Materials, 2015, 286, 55-63.	12.4	40