Florence Portet-Koltalo

List of Publications by Year
in descending order

44	1,111	393982	414034
papers	citations	19 h-index	32 g-index

45	45	45	1328
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of biosurfactants and periodic voltage gradient for enhanced electrokinetic remediation of metals and PAHs in dredged marine sediments. Chemosphere, 2015, 125, 1-8.	4.2	117
2	Linking initial soil bacterial diversity and polycyclic aromatic hydrocarbons (PAHs) degradation potential. Journal of Hazardous Materials, 2018, 359, 500-509.	6.5	81
3	GammaProteobacteria as a potential bioindicator of a multiple contamination by polycyclic aromatic hydrocarbons (PAHs) in agricultural soils. Environmental Pollution, 2013, 180, 199-205.	3.7	80
4	Performance of vegetated swales for improving road runoff quality in a moderate traffic urban area. Science of the Total Environment, 2016, 566-567, 113-121.	3.9	61
5	Both CycloclasticusÃ¢Â€Âƒspp. and PseudomonasÃ¢Â€Âƒspp. as PAH-degrading bacteria in the Seine estuary (France). FEMS Microbiology Ecology, 2010, 71, 137-147.	1.3	60
6	Enhanced electrokinetic remediation of multi-contaminated dredged sediments and induced effect on their toxicity. Chemosphere, 2019, 228, 744-755.	4.2	48
7	Correlations between PAH bioavailability, degrading bacteria, and soil characteristics during PAH biodegradation in five diffusely contaminated dissimilar soils. Environmental Science and Pollution Research, 2014, 21, 8133-45.	2.7	42
8	Simultaneous electrokinetic removal of polycyclic aromatic hydrocarbons and metals from a sediment using mixed enhancing agents. International Journal of Environmental Science and Technology, 2014, 11, 1801-1816.	1.8	41
9	Application of a crustacean bioassay to evaluate a multi-contaminated (metal, PAH, PCB) harbor sediment before and after electrokinetic remediation using eco-friendly enhancing agents. Science of the Total Environment, 2017, 607-608, 944-953.	3.9	39
10	Optimisation of the extraction of polycyclic aromatic hydrocarbons and their nitrated derivatives from diesel particulate matter using microwave-assisted extraction. Analytical and Bioanalytical Chemistry, 2008, 390, 389-398.	1.9	36
11	Comparison of hot Soxhlet and accelerated solvent extractions with microwave and supercritical fluid extractions for the determination of polycyclic aromatic hydrocarbons and nitrated derivatives strongly adsorbed on soot collected inside a diesel particulate filter. Talanta, 2010, 82, 227-236.	2.9	34
12	Investigation of the release of PAHs from artificially contaminated sediments using cyclolipopeptidic biosurfactants. Journal of Hazardous Materials, 2013, 261, 593-601.	6.5	34
13	Quantification of volatile PAHs present at trace levels in air flow by aqueous trappingâ€"SPE and HPLC analysis with fluorimetric detection. Talanta, 2007, 71, 1825-1833.	2.9	30
14	Assessment of PAH dissipation processes in large-scale outdoor mesocosms simulating vegetated road-side swales. Science of the Total Environment, 2015, 520, 146-153.	3.9	23
15	Influence of a mixture of metals on PAHs biodegradation processes in soils. Science of the Total Environment, 2018, 628-629, 150-158.	3.9	23
16	Low effect of phenanthrene bioaccessibility on its biodegradation in diffusely contaminated soil. Environmental Pollution, 2017, 225, 663-673.	3.7	22
17	Bioaccessibility of polycyclic aromatic compounds (PAHs, PCBs) and trace elements: Influencing factors and determination in a river sediment core. Journal of Hazardous Materials, 2020, 384, 121499.	6.5	22
18	Molecularly imprinted polymer-liquid chromatography/fluorescence for the selective clean-up of hydroxylated polycyclic aromatic hydrocarbons in soils. Analytical Methods, 2013, 5, 6297.	1.3	21

#	Article	IF	Citations
19	Influence of the vegetative cover on the fate of trace metals in retention systems simulating roadside infiltration swales. Science of the Total Environment, 2017, 580, 482-490.	3.9	21
20	Scale-up of electrokinetic process for dredged sediments remediation. Electrochimica Acta, 2020, 352, 136488.	2.6	20
21	Alternative techniques to HPCD to evaluate the bioaccessible fraction of soil-associated PAHs and correlation to biodegradation efficiency. Journal of Hazardous Materials, 2016, 314, 220-229.	6.5	18
22	Concentrations and Source Identification of Polycyclic Aromatic Hydrocarbons (PAHs) and Polychlorinated Biphenyls (PCBs) in Agricultural, Urban/Residential, and Industrial Soils, East of Oran (Northwest Algeria). Polycyclic Aromatic Compounds, 2019, 39, 299-310.	1.4	18
23	Novel Application of Cyclolipopeptide Amphisin: Feasibility Study as Additive to Remediate Polycyclic Aromatic Hydrocarbon (PAH) Contaminated Sediments. International Journal of Molecular Sciences, 2011, 12, 1787-1806.	1.8	17
24	Temporal trends, sources, and relationships between sediment characteristics and polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs) in sediment cores from the major Seine estuary tributary, France. Applied Geochemistry, 2020, 122, 104749.	1.4	17
25	Electro-dewatering of dredged sediments by combined effects of mechanical and electrical processes: Influence of operating conditions. Electrochimica Acta, 2020, 353, 136462.	2.6	17
26	Low impact of phenanthrene dissipation on the bacterial community in grassland soil. Environmental Science and Pollution Research, 2014, 21, 2977-2987.	2.7	16
27	Optimisation of supercritical fluid extraction of polycyclic aromatic hydrocarbons and their nitrated derivatives adsorbed on highly sorptive diesel particulate matter. Analytica Chimica Acta, 2009, 651, 48-56.	2.6	14
28	Occurrence of 1,1â€²-dimethyl-4,4â€²-bipyridinium (Paraquat) in irrigated soil of the Lake Chad Basin, Niger. Environmental Science and Pollution Research, 2014, 21, 10601-10613.	2.7	14
29	Reconstruction of anthropogenic activities in legacy sediments from the Eure River, a major tributary of the Seine Estuary (France). Catena, 2020, 190, 104513.	2.2	13
30	Experimental Designs for Optimizing Multi-residual Microwave-assisted Extraction and Chromatographic Analysis of Oxygenated (Hydroxylated, Quinones) Metabolites of PAHs in Sediments. Chromatographia, 2018, 81, 1401-1412.	0.7	12
31	Determination of multi-class polyaromatic compounds in sediments by a simple modified matrix solid phase dispersive extraction. Talanta, 2021, 221, 121601.	2.9	12
32	Direct thermal desorption-gas chromatography-tandem mass spectrometry versus microwave assisted extraction and GC-MS for the simultaneous analysis of polyaromatic hydrocarbons (PAHs, PCBs) from sediments. Talanta, 2022, 250, 123735.	2.9	11
33	Evaluation of the PAH and water-extractable phenols content in used cross ties from the French rail network. Chemosphere, 2014, 111, 1-6.	4.2	10
34	A new analytical methodology for a fast evaluation of semi-volatile polycyclic aromatic hydrocarbons in the vapor phase downstream of a diesel engine particulate filter. Journal of Chromatography A, 2011, 1218, 981-989.	1.8	9
35	Self-Desorption of Mixtures of Anionic and Nonionic Surfactants from a Silica/Water Interface. Langmuir, 2001, 17, 3858-3862.	1.6	8
36	Evaluation of polybrominated diphenyl ether (PBDE) flame retardants from various materials in professional seating furnishing wastes from French flows. Waste Management, 2021, 131, 108-116.	3.7	7

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37	Phytoremediation of PCB: contaminated Algerian soils using native agronomics plants. Environmental Geochemistry and Health, 2022, 44, 117-132.	1.8	7
38	Historical and post-ban releases of organochlorine pesticides recorded in sediment deposits in an agricultural watershed, France. Environmental Pollution, 2021, 288, 117769.	3.7	7
39	Flux estimation, temporal trends and source determination of trace metal contamination in a major tributary of the Seine estuary, France. Science of the Total Environment, 2020, 724, 138249.	3.9	6
40	Enhanced Electroremediation of Metals from Dredged Marine Sediment under Periodic Voltage Using EDDS and Citric Acid. Journal of Marine Science and Engineering, 2022, 10, 553.	1.2	6
41	Porous silicon based microdevice for reversed phase liquid chromatography. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 1777-1781.	0.8	5
42	Pilot-scale direct UV-C photodegradation of pesticides in groundwater and recycled wastewater for agricultural use. Journal of Environmental Chemical Engineering, 2021, 9, 106120.	3.3	5
43	Analytical Methodologies for the Control of Particle-Phase Polycyclic Aromatic Compounds from Diesel Engine Exhaust. , 2013, , .		3
44	Heavy metals removal from dredged sediments using electro kinetics. E3S Web of Conferences, 2013, 1, 01004.	0.2	2