

# Florence Portet-Koltalo

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,111  
citations

393982

19  
h-index

414034

32  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1328  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytoremediation of PCB: contaminated Algerian soils using native agronomics plants. <i>Environmental Geochemistry and Health</i> , 2022, 44, 117-132.	1.8	7
2	Enhanced Electroremediation of Metals from Dredged Marine Sediment under Periodic Voltage Using EDDS and Citric Acid. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 553.	1.2	6
3	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. <i>Talanta</i> , 2022, 250, 123735.	2.9	11
4	Determination of multi-class polyaromatic compounds in sediments by a simple modified matrix solid phase dispersive extraction. <i>Talanta</i> , 2021, 221, 121601.	2.9	12
5	Evaluation of polybrominated diphenyl ether (PBDE) flame retardants from various materials in professional seating furnishing wastes from French flows. <i>Waste Management</i> , 2021, 131, 108-116.	3.7	7
6	Pilot-scale direct UV-C photodegradation of pesticides in groundwater and recycled wastewater for agricultural use. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106120.	3.3	5
7	Historical and post-ban releases of organochlorine pesticides recorded in sediment deposits in an agricultural watershed, France. <i>Environmental Pollution</i> , 2021, 288, 117769.	3.7	7
8	Bioaccessibility of polycyclic aromatic compounds (PAHs, PCBs) and trace elements: Influencing factors and determination in a river sediment core. <i>Journal of Hazardous Materials</i> , 2020, 384, 121499.	6.5	22
9	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. <i>Applied Geochemistry</i> , 2020, 122, 104749.	1.4	17
10	Reconstruction of anthropogenic activities in legacy sediments from the Eure River, a major tributary of the Seine Estuary (France). <i>Catena</i> , 2020, 190, 104513.	2.2	13
11	Flux estimation, temporal trends and source determination of trace metal contamination in a major tributary of the Seine estuary, France. <i>Science of the Total Environment</i> , 2020, 724, 138249.	3.9	6
12	Electro-dewatering of dredged sediments by combined effects of mechanical and electrical processes: Influence of operating conditions. <i>Electrochimica Acta</i> , 2020, 353, 136462.	2.6	17
13	Scale-up of electrokinetic process for dredged sediments remediation. <i>Electrochimica Acta</i> , 2020, 352, 136488.	2.6	20
14	Enhanced electrokinetic remediation of multi-contaminated dredged sediments and induced effect on their toxicity. <i>Chemosphere</i> , 2019, 228, 744-755.	4.2	48
15	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). <i>Polycyclic Aromatic Compounds</i> , 2019, 39, 299-310.	1.4	18
16	Influence of a mixture of metals on PAHs biodegradation processes in soils. <i>Science of the Total Environment</i> , 2018, 628-629, 150-158.	3.9	23
17	Experimental Designs for Optimizing Multi-residual Microwave-assisted Extraction and Chromatographic Analysis of Oxygenated (Hydroxylated, Quinones) Metabolites of PAHs in Sediments. <i>Chromatographia</i> , 2018, 81, 1401-1412.	0.7	12
18	Linking initial soil bacterial diversity and polycyclic aromatic hydrocarbons (PAHs) degradation potential. <i>Journal of Hazardous Materials</i> , 2018, 359, 500-509.	6.5	81

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19	Low effect of phenanthrene bioaccessibility on its biodegradation in diffusely contaminated soil. <i>Environmental Pollution</i> , 2017, 225, 663-673.	3.7	22
20	Influence of the vegetative cover on the fate of trace metals in retention systems simulating roadside infiltration swales. <i>Science of the Total Environment</i> , 2017, 580, 482-490.	3.9	21
21	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. <i>Science of the Total Environment</i> , 2017, 607-608, 944-953.	3.9	39
22	Performance of vegetated swales for improving road runoff quality in a moderate traffic urban area. <i>Science of the Total Environment</i> , 2016, 566-567, 113-121.	3.9	61
23	Alternative techniques to HPCD to evaluate the bioaccessible fraction of soil-associated PAHs and correlation to biodegradation efficiency. <i>Journal of Hazardous Materials</i> , 2016, 314, 220-229.	6.5	18
24	Application of biosurfactants and periodic voltage gradient for enhanced electrokinetic remediation of metals and PAHs in dredged marine sediments. <i>Chemosphere</i> , 2015, 125, 1-8.	4.2	117
25	Assessment of PAH dissipation processes in large-scale outdoor mesocosms simulating vegetated road-side swales. <i>Science of the Total Environment</i> , 2015, 520, 146-153.	3.9	23
26	Evaluation of the PAH and water-extractable phenols content in used cross ties from the French rail network. <i>Chemosphere</i> , 2014, 111, 1-6.	4.2	10
27	Low impact of phenanthrene dissipation on the bacterial community in grassland soil. <i>Environmental Science and Pollution Research</i> , 2014, 21, 2977-2987.	2.7	16
28	Simultaneous electrokinetic removal of polycyclic aromatic hydrocarbons and metals from a sediment using mixed enhancing agents. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 1801-1816.	1.8	41
29	Correlations between PAH bioavailability, degrading bacteria, and soil characteristics during PAH biodegradation in five diffusely contaminated dissimilar soils. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8133-45.	2.7	42
30	Occurrence of 1,1-dimethyl-4,4-bipyridinium (Paraquat) in irrigated soil of the Lake Chad Basin, Niger. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10601-10613.	2.7	14
31	Investigation of the release of PAHs from artificially contaminated sediments using cyclolipopeptidic biosurfactants. <i>Journal of Hazardous Materials</i> , 2013, 261, 593-601.	6.5	34
32	GammaProteobacteria as a potential bioindicator of a multiple contamination by polycyclic aromatic hydrocarbons (PAHs) in agricultural soils. <i>Environmental Pollution</i> , 2013, 180, 199-205.	3.7	80
33	Molecularly imprinted polymer-liquid chromatography/fluorescence for the selective clean-up of hydroxylated polycyclic aromatic hydrocarbons in soils. <i>Analytical Methods</i> , 2013, 5, 6297.	1.3	21
34	Analytical Methodologies for the Control of Particle-Phase Polycyclic Aromatic Compounds from Diesel Engine Exhaust. , 2013, , .		3
35	Heavy metals removal from dredged sediments using electro kinetics. <i>E3S Web of Conferences</i> , 2013, 1, 01004.	0.2	2
36	Novel Application of Cyclolipopeptide Amphisin: Feasibility Study as Additive to Remediate Polycyclic Aromatic Hydrocarbon (PAH) Contaminated Sediments. <i>International Journal of Molecular Sciences</i> , 2011, 12, 1787-1806.	1.8	17

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37	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. <i>Journal of Chromatography A</i> , 2011, 1218, 981-989.	1.8	9
38	Both <i>Cycloclasticus</i> spp. and <i>Pseudomonas</i> spp. as PAH-degrading bacteria in the Seine estuary (France). <i>FEMS Microbiology Ecology</i> , 2010, 71, 137-147.	1.3	60
39	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. <i>Talanta</i> , 2010, 82, 227-236.	2.9	34
40	Porous silicon based microdevice for reversed phase liquid chromatography. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 1777-1781.	0.8	5
41	Optimisation of supercritical fluid extraction of polycyclic aromatic hydrocarbons and their nitrated derivatives adsorbed on highly sorptive diesel particulate matter. <i>Analytica Chimica Acta</i> , 2009, 651, 48-56.	2.6	14
42	Optimisation of the extraction of polycyclic aromatic hydrocarbons and their nitrated derivatives from diesel particulate matter using microwave-assisted extraction. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 389-398.	1.9	36
43	Quantification of volatile PAHs present at trace levels in air flow by aqueous trapping SPE and HPLC analysis with fluorimetric detection. <i>Talanta</i> , 2007, 71, 1825-1833.	2.9	30
44	Self-Desorption of Mixtures of Anionic and Nonionic Surfactants from a Silica/Water Interface. <i>Langmuir</i> , 2001, 17, 3858-3862.	1.6	8