Frederic Coulon

List of Publications by Year
in descending order

185 papers	6,606 citations	66250 44 h-index	100535 70 g-index
188 all docs	188 docs citations	188 times ranked	7684 citing authors

#	Article	IF	Citations
1	Enhanced 2,3-Butanediol production by mutant Enterobacter ludwigii using Brewersâ€™ spent grain hydrolysate: Process optimization for a pragmatic biorefinery loom. Chemical Engineering Journal, 2022, 427, 130851.	6.6	34
2	Microbial diversity alteration reveals biomarkers of contamination in soil-river-lake continuum. Journal of Hazardous Materials, 2022, 421, 126789.	6.5	30
3	Influence of pH, depth and humic acid on metal and metalloids recovery from municipal solid waste landfills. Science of the Total Environment, 2022, 806, 150332.	3.9	22
4	Process optimisation for production and recovery of succinic acid using xylose-rich hydrolysates by Actinobacillus succinogenes. Bioresource Technology, 2022, 344, 126224.	4.8	26
5	Groundwater remediation using Magnesiumâ€“Aluminum alloys and in situ layered doubled hydroxides. Environmental Research, 2022, 204, 112241.	3.7	5
6	Cellulosic biomass-based sustainable hydrogels for wastewater remediation: Chemistry and prospective. Fuel, 2022, 309, 122114.	3.4	68
7	Detection and treatment strategies of per- and polyfluoroalkyl substances (PFAS): Fate of PFAS through DPSIR framework analysis. Journal of Water Process Engineering, 2022, 45, 102463.	2.6	9
8	Integrating life cycle assessment and characterisation techniques: A case study of biodiesel production utilising waste Prunus Armeniaca seeds (PAS) and a novel catalyst. Journal of Environmental Management, 2022, 304, 114319.	3.8	26
9	Recovering metal(loids) and rare earth elements from closed landfill sites without excavation: Leachate recirculation opportunities and challenges. Chemosphere, 2022, 292, 133418.	4.2	12
10	Improving the efficiency of small-scale wastewater treatment by pneumatic agitation. Environmental Technology and Innovation, 2022, 26, 102220.	3.0	2
11	The effect of petroleum hydrocarbons concentration on competition between oil-degrading bacteria and indigenous compost microorganisms in petroleum sludge bioremediation. Environmental Technology and Innovation, 2022, 26, 102319.	3.0	20
12	Quantitative Environmental Assessment of Explosive Residues from the Detonation of Insensitive High Explosive Filled 155â€…mm Artillery Shell. Propellants, Explosives, Pyrotechnics, 2022, 47, .	1.0	5
13	Location optimization of SiC foam packings in the unstirred packing trays reactor for the enhancement of solidified natural gas storage. Chemical Engineering Science, 2022, , 117503.	1.9	4
14	Assessing the performance of environmental management in academic research laboratories. Heliyon, 2022, 8, e09135.	1.4	1
15	Redevelopment of urban brownfield sites in China: Motivation, history, policies and improved management. , 2022, 1, 63-72.		17
16	Seasonal variation of quantitative microbial risk assessment for three airborne enteric bacteria from wastewater treatment plant emissions. Ecotoxicology and Environmental Safety, 2022, 240, 113689.	2.9	4
17	Technological advancements in valorization of second generation (2G) feedstocks for bio-based succinic acid production. Bioresource Technology, 2022, 360, 127513.	4.8	15
18	Production, functional stability, and effect of rhamnolipid biosurfactant from Klebsiella sp. on phenanthrene degradation in various medium systems. Ecotoxicology and Environmental Safety, 2021, 207, 111514.	2.9	51

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19	Size fractionation of bioaerosol emissions from green-waste composting. Environment International, 2021, 147, 106327.	4.8	22
20	Production of Highâ€Purity Hydrogen and Layered Doubled Hydroxide by Hydrolysis of Mgâ€Al Alloys. Chemical Engineering and Technology, 2021, 44, 797-803.	0.9	3
21	Investigation of plant contamination to Ni, Pb, Zn, and Cd and its relationship with spectral reflections. Environmental Science and Pollution Research, 2021, 28, 37830-37842.	2.7	1
22	Rapid methods for antimicrobial resistance diagnosis in contaminated soils for effective remediation strategy. TrAC - Trends in Analytical Chemistry, 2021, 137, 116203.	5.8	7
23	Temporal changes in the extractability, bioaccessibility and biodegradation of target hydrocarbons in soils from former refinery facilities. International Biodeterioration and Biodegradation, 2021, 160, 105227.	1.9	1
24	Recent advances in biochar engineering for soil contaminated with complex chemical mixtures: Remediation strategies and future perspectives. Science of the Total Environment, 2021, 767, 144351.	3.9	72
25	New measures in 2021 to increase the quality and reputation of the Critical Review in Environmental Science and Technology (CREST) journal. Critical Reviews in Environmental Science and Technology, 2021, 51, 1303-1305.	6.6	3
26	Effects of Dispersants and Biosurfactants on Crude-Oil Biodegradation and Bacterial Community Succession. Microorganisms, 2021, 9, 1200.	1.6	15
27	Solid state anaerobic digestion of water poor feedstock for methane yield: an overview of process characteristics and challenges. Waste Disposal & Sustainable Energy, 2021, 3, 227-245.	1.1	2
28	Integrated Fermentative Production and Downstream Processing of 2,3-Butanediol from Sugarcane Bagasse-Derived Xylose by Mutant Strain of Enterobacter ludwigii. ACS Sustainable Chemistry and Engineering, 2021, 9, 10381-10391.	3.2	17
29	Nanoremediation technologies for sustainable remediation of contaminated environments: Recent advances and challenges. Chemosphere, 2021, 275, 130065.	4.2	81
30	A review of treatment methods for insensitive high explosive contaminated wastewater. Heliyon, 2021, 7, e07438.	1.4	23
31	Paper-Based Devices As a New Tool for Rapid and on-Site Monitoring of â€œSuperbugsâ€. Environmental Science & Technology, 2021, 55, 12133-12135.	4.6	2
32	A critical review of decision support systems for brownfield redevelopment. Science of the Total Environment, 2021, 785, 147132.	3.9	38
33	Production of hydrogen, active zerovalent iron and ferroferric oxide octahedron by alkaline etching Alâ€“Fe alloys. Materials Chemistry and Physics, 2021, 270, 124789.	2.0	4
34	Visible light-conducting polymer nanocomposites as efficient photocatalysts for the treatment of organic pollutants in wastewater. Journal of Environmental Management, 2021, 295, 113362.	3.8	41
35	Recent advances in bio-electrochemical system analysis in biorefineries. Journal of Environmental Chemical Engineering, 2021, 9, 105982.	3.3	22
36	Chemical pollution: A growing peril and potential catastrophic risk to humanity. Environment International, 2021, 156, 106616.	4.8	193

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37	High level xylitol production by Pichia fermentans using non-detoxified xylose-rich sugarcane bagasse and olive pits hydrolysates. Bioresource Technology, 2021, 342, 126005.	4.8	36
38	Evaluation of small-scale combustion of an insensitive high explosive formulation containing 3-nitro-1,2,4-triazol-5-one (NTO), 2,4-dinitroanisole (DNAN), and 1,3,5-trinitroperhydro-1,3,5-triazine (RDX). Journal of Energetic Materials, 2021, 39, 85-99.	1.0	7
39	Enhanced pilot bioremediation of oily sludge from petroleum refinery disposal under hot-summer Mediterranean climate. Environmental Technology and Innovation, 2021, 24, 102037.	3.0	7
40	The applicability of spectroscopy methods for estimating potentially toxic elements in soils: state-of-the-art and future trends. Applied Spectroscopy Reviews, 2020, 55, 525-557.	3.4	32
41	Degradation of excavated polyethylene and polypropylene waste from landfill. Science of the Total Environment, 2020, 698, 134125.	3.9	134
42	Biodegradation of heavy oily sludge by a two-step inoculation composting process using synergistic effect of indigenous isolated bacteria. Process Biochemistry, 2020, 91, 223-230.	1.8	26
43	Effect of competition between petroleum-degrading bacteria and indigenous compost microorganisms on the efficiency of petroleum sludge bioremediation: Field application of mineral-based culture in the composting process. Journal of Environmental Management, 2020, 258, 110013.	3.8	46
44	Remediation of cadmium and lead polluted soil using thiol-modified biochar. Journal of Hazardous Materials, 2020, 388, 122037.	6.5	182
45	Nitrogen oxidation consortia dynamics influence the performance of full-scale rotating biological contactors. Environment International, 2020, 135, 105354.	4.8	11
46	Biosolids recycling impact on biofilm extracellular enzyme activity and performance of hybrid rotating biological reactors. Science of the Total Environment, 2020, 706, 135865.	3.9	8
47	Experimental investigations and numerical modelling of in-situ reactive caps for PAH contaminated marine sediments. Journal of Hazardous Materials, 2020, 387, 121724.	6.5	15
48	Up-cycling of agave tequilana bagasse-fibres: A study on the effect of fibre-surface treatments on interfacial bonding and mechanical properties. Results in Materials, 2020, 8, 100158.	0.9	11
49	Bacterial Community Legacy Effects Following the Agia Zoni II Oil-Spill, Greece. Frontiers in Microbiology, 2020, 11, 1706.	1.5	13
50	Bioremediation of petroleum hydrocarbons by vermicomposting process bioaugmentated with indigenous bacterial consortium isolated from petroleum oily sludge. Ecotoxicology and Environmental Safety, 2020, 198, 110645.	2.9	24
51	InÂvitro model insights into the role of human gut microbiota on arsenic bioaccessibility and its speciation in soils. Environmental Pollution, 2020, 263, 114580.	3.7	17
52	Adsorption behaviour of 1,3,5-trinitroperhydro-1,3,5-triazine, 2,4-dinitroanisole and 3-nitro-1,2,4-triazol-5-one on commercial activated carbons. Chemosphere, 2020, 255, 126848.	4.2	20
53	Identifying sources of dust aerosol using a new framework based on remote sensing and modelling. Science of the Total Environment, 2020, 737, 139508.	3.9	35
54	Recovery of polycyclic aromatic hydrocarbons and their oxygenated derivatives in contaminated soils using aminopropyl silica solid phase extraction. Chemosphere, 2020, 258, 127314.	4.2	4

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55	Incorporating oral bioaccessibility into human health risk assessment due to potentially toxic elements in extractive waste and contaminated soils from an abandoned mine site. Chemosphere, 2020, 255, 126927.	4.2	34
56	Biovalorisation of crude glycerol and xylose into xylitol by oleaginous yeast Yarrowia lipolytica. Microbial Cell Factories, 2020, 19, 121.	1.9	38
57	Applicability of factory calibrated optical particle counters for high-density air quality monitoring networks in Ghana. Heliyon, 2020, 6, e04206.	1.4	8
58	Bioproduction of succinic acid from xylose by engineered Yarrowia lipolytica without pH control. Biotechnology for Biofuels, 2020, 13, 113.	6.2	43
59	Fingerprinting ambient air to understand bioaerosol profiles in three different environments in the south east of England. Science of the Total Environment, 2020, 719, 137542.	3.9	10
60	Real time detection and characterisation of bioaerosol emissions from wastewater treatment plants. Science of the Total Environment, 2020, 721, 137629.	3.9	24
61	Towards Sustainable Mining: Exploiting Raw Materials from Extractive Waste Facilities. Sustainability, 2020, 12, 2383.	1.6	10
62	Enhanced xylitol production using non-detoxified xylose rich pre-hydrolysate from sugarcane bagasse by newly isolated Pichia fermentans. Biotechnology for Biofuels, 2020, 13, 209.	6.2	35
63	Rapid detection of alkanes and polycyclic aromatic hydrocarbons in oilâ€contaminated soil with visible nearâ€infrared spectroscopy. European Journal of Soil Science, 2019, 70, 140-150.	1.8	15
64	Scoping studies to establish the capability and utility of a real-time bioaerosol sensor to characterise emissions from environmental sources. Science of the Total Environment, 2019, 648, 25-32.	3.9	17
65	Influence of sludge layer properties on the hydraulic behaviour of gravel-based vertical flow constructed wetlands for primary treatment of sewage. Science of the Total Environment, 2019, 691, 1137-1143.	3.9	10
66	Weathered Hydrocarbon Biotransformation: Implications for Bioremediation, Analysis, and Risk Assessment. , 2019, , 99-115.		0
67	Decision Framework for the environmental management of explosive contaminated land. Science of the Total Environment, 2019, 690, 730-738.	3.9	7
68	Predicting uncertainty of machine learning models for modelling nitrate pollution of groundwater using quantile regression and UNEEC methods. Science of the Total Environment, 2019, 688, 855-866.	3.9	155
69	The effect of soil type on the extraction of insensitive high explosive constituents using four conventional methods. Science of the Total Environment, 2019, 668, 184-192.	3.9	6
70	Predicting bioavailability change of complex chemical mixtures in contaminated soils using visible and near-infrared spectroscopy and random forest regression. Scientific Reports, 2019, 9, 4492.	1.6	23
71	Bioaerosol biomonitoring: Sampling optimization for molecular microbial ecology. Molecular Ecology Resources, 2019, 19, 672-690.	2.2	49
72	The application of a handheld mid-infrared spectrometry for rapid measurement of oil contamination in agricultural sites. Science of the Total Environment, 2019, 665, 253-261.	3.9	7

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73	A method for the characterisation of microplastics in sludge. MethodsX, 2019, 6, 2776-2781.	0.7	14
74	Stakeholder Engagement and the Sustainable Environmental Management of Oil-Contaminated Sites in Nigeria. , 2019, , 75-97.		6
75	Analytical progress and challenges for the detection of oxygenated polycyclic aromatic hydrocarbon transformation products in aqueous and soil environmental matrices: A review. Critical Reviews in Environmental Science and Technology, 2019, 49, 357-409.	6.6	19
76	Linking oral bioaccessibility and solid phase distribution of potentially toxic elements in extractive waste and soil from an abandoned mine site: Case study in Campello Monti, NW Italy. Science of the Total Environment, 2019, 651, 2799-2810.	3.9	33
77	Prediction of bioavailability and toxicity of complex chemical mixtures through machine learning models. Chemosphere, 2019, 215, 388-395.	4.2	52
78	Factors governing the solid phase distribution of Cr, Cu and As in contaminated soil after 40â€¯years of ageing. Science of the Total Environment, 2019, 652, 744-754.	3.9	23
79	Linking bioavailability and toxicity changes of complex chemicals mixture to support decision making for remediation endpoint of contaminated soils. Science of the Total Environment, 2019, 650, 2150-2163.	3.9	21
80	DEVELOPING THE CASE FOR ENHANCED LANDFILL MINING IN THE UK. Detritus, 2019, In Press, 1.	0.4	4
81	Evaluation of vis-NIR reflectance spectroscopy sensitivity to weathering for enhanced assessment of oil contaminated soils. Science of the Total Environment, 2018, 626, 1108-1120.	3.9	29
82	Correlating Asphaltene Dimerization with Its Molecular Structure by Potential of Mean Force Calculation and Data Mining. Energy & Fuels, 2018, 32, 5779-5788.	2.5	20
83	Investigation into the environmental fate of the combined Insensitive High Explosive constituents 2,4-dinitroanisole (DNAN), 1-nitroguanidine (NQ) and nitrotriazolone (NTO) in soil. Science of the Total Environment, 2018, 625, 1264-1271.	3.9	29
84	Physico-chemical properties of excavated plastic from landfill mining and current recycling routes. Waste Management, 2018, 76, 55-67.	3.7	85
85	Can chemical and molecular biomarkers help discriminate between industrial, rural and urban environments?. Science of the Total Environment, 2018, 631-632, 1059-1069.	3.9	12
86	Assessing bioavailability of complex chemical mixtures in contaminated soils: Progress made and research needs. Science of the Total Environment, 2018, 615, 708-723.	3.9	68
87	Rapid prediction of total petroleum hydrocarbons concentration in contaminated soil using vis-NIR spectroscopy and regression techniques. Science of the Total Environment, 2018, 616-617, 147-155.	3.9	88
88	Resilient remediation: Addressing extreme weather and climate change, creating community value. Remediation, 2018, 29, 7-18.	1.1	24
89	A Controlled Study on the Characterisation of Bioaerosols Emissions from Compost. Atmosphere, 2018, 9, 379.	1.0	21
90	Optimised Accelerated Solvent Extraction of Hexahydro-1,3,5-Trinitro-1,3,5-Triazine (RDX) from Polymer Bonded Explosives. Propellants, Explosives, Pyrotechnics, 2018, 43, 1171-1177.	1.0	4

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91	Lead-based paint remains a major public health concern: A critical review of global production, trade, use, exposure, health risk, and implications. Environment International, 2018, 121, 85-101.	4.8	160
92	Enhanced Biogas Production From Anaerobic Co-digestion of Lignocellulosic Biomass and Poultry Feces Using Source Separated Human Urine as Buffering Agent. Frontiers in Environmental Science, 2018, 6, .	1.5	15
93	Assessing unconventional natural gas development: Understanding risks in the context of the EU. Current Opinion in Environmental Science and Health, 2018, 3, 47-51.	2.1	6
94	Insights into mixed contaminants interactions and its implication for heavy metals and metalloids mobility, bioavailability and risk assessment. Science of the Total Environment, 2018, 645, 662-673.	3.9	35
95	A novel machine learning-based approach for the risk assessment of nitrate groundwater contamination. Science of the Total Environment, 2018, 644, 954-962.	3.9	238
96	Flow cytometry-based evaluation of the bacterial removal efficiency of a blackwater reuse treatment plant and the microbiological changes in the associated non-potable distribution network. Science of the Total Environment, 2018, 645, 1620-1629.	3.9	17
97	Landfill mining from extractive waste facilities: The importance of a correct site characterisation and evaluation of the potentialities. A case study from Italy. Resources Policy, 2018, 59, 50-61.	4.2	17
98	Understanding microbial ecology can help improve biogas production in AD. Science of the Total Environment, 2018, 642, 754-763.	3.9	51
99	An assessment of different extraction and quantification methods of penta- and hexa-chlorobenzene from SRF fly-ash. Analytical Chemistry Research, 2017, 12, 28-33.	2.0	4
100	Microbiological Toxicity of Nanoparticles. , 2017, , 97-117.		2
101	Management of petroleum hydrocarbon contaminated sites in Nigeria: Current challenges and future direction. Land Use Policy, 2017, 64, 133-144.	2.5	65
102	A multi-attribute methodology for the prioritisation of oil contaminated sites in the Niger Delta. Science of the Total Environment, 2017, 579, 1323-1332.	3.9	43
103	Release of 1,3,5-trinitroperhydro-1,3,5-triazine (RDX) from polymer-bonded explosives (PBXN-109) into water by artificial weathering. Chemosphere, 2017, 169, 604-608.	4.2	4
104	Almost 25Âyears of chromatographic and spectroscopic analytical method development for petroleum hydrocarbons analysis in soil and sediment: state-of-the-art, progress and trends. Critical Reviews in Environmental Science and Technology, 2017, 47, 1497-1527.	6.6	15
105	Aged-engineered nanoparticles effect on sludge anaerobic digestion performance and associated microbial communities. Science of the Total Environment, 2017, 609, 232-241.	3.9	56
106	Engineered Nanoparticles in the Environments: Interactions with Microbial Systems and Microbial Activity. , 2017, , 63-107.		6
107	Use of stakeholder engagement to support policy transfer: A case of contaminated land management in Nigeria. Environmental Development, 2017, 24, 50-62.	1.8	19
108	Fingerprinting outdoor air environment using microbial volatile organic compounds (MVOCs) â€“ A review. TrAC - Trends in Analytical Chemistry, 2017, 86, 75-83.	5.8	45

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109	Compositional and physicochemical changes in waste materials and biogas production across 7 landfill sites in UK. Waste Management, 2017, 63, 11-17.	3.7	22
110	RAMBIE, Rapid monitoring of bioaerosols in Urban, Agricultural and Industrial Environments, NERC. Impact, 2017, 2017, 12-14.	0.0	5
111	SAMPLING MICROBIAL VOLATILE ORGANIC COMPOUNDS: OPTIMISATION OF FLOW RATE AND SAMPLING TIME. , 2017, , .		3
112	SMART GROUND PROJECT: A NEW APPROACH TO DATA ACCESSIBILITY AND COLLECTION FOR RAW MATERIALS AND SECONDARY RAW MATERIALS IN EUROPE. Environmental Engineering and Management Journal, 2017, 16, 1673-1684.	0.2	11
113	SMART GROUND Project: SMART Data Collection and Integration Platform to Enhance Availability and Accessibility of Data and Information in the EU Territory on Secondary Raw Materials. Energy Procedia, 2016, 97, 15-22.	1.8	13
114	Organic loading rate: A promising microbial management tool in anaerobic digestion. Water Research, 2016, 100, 348-356.	5.3	131
115	China's soil and groundwater management challenges: Lessons from the UK's experience and opportunities for China. Environment International, 2016, 91, 196-200.	4.8	47
116	Working towards an integrated land contamination management framework for Nigeria. Science of the Total Environment, 2016, 571, 916-925.	3.9	27
117	Insights into the biodegradation of weathered hydrocarbons in contaminated soils by bioaugmentation and nutrient stimulation. Chemosphere, 2016, 161, 300-307.	4.2	94
118	Evaluating leachate recirculation with cellulase addition to enhance waste biostabilisation and landfill gas production. Waste Management, 2016, 55, 61-70.	3.7	23
119	Compositional analysis of excavated landfill samples and the determination of residual biogas potential of the organic fraction. Waste Management, 2016, 55, 336-344.	3.7	14
120	Weathered Hydrocarbon Biotransformation: Implications for Bioremediation, Analysis, and Risk Assessment. , 2016, , 1-17.		0
121	Impact of Treated Sewage Effluent on the Microbiology of a Small Brook Using Flow Cytometry as a Diagnostic Tool. Water, Air, and Soil Pollution, 2016, 227, 57.	1.1	13
122	Review of the scientific evidence to support environmental risk assessment of shale gas development in the UK. Science of the Total Environment, 2016, 563-564, 731-740.	3.9	23
123	Influence of particle size and organic carbon content on distribution and fate of aliphatic and aromatic hydrocarbon fractions in chalks. Environmental Technology and Innovation, 2015, 4, 227-239.	3.0	4
124	Protocol for Biopile Construction Treating Contaminated Soils with Petroleum Hydrocarbons. Springer Protocols, 2015, , 181-194.	0.1	4
125	Modelling the Environmental Fate of Petroleum Hydrocarbons During Bioremediation. Springer Protocols, 2015, , 165-180.	0.1	1
126	Experimental characterization of the impact of temperature and humidity on the breakdown of soil water repellency in sandy soils and composts. Hydrological Processes, 2015, 29, 2065-2073.	1.1	13

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127	Sustainable landfill leachate treatment using refuse and pine bark as a carbon source for bio-denitrification. Environmental Technology (United Kingdom), 2015, 36, 1347-1358.	1.2	5
128	Insights into the effect of mixed engineered nanoparticles on activated sludge performance. FEMS Microbiology Ecology, 2015, 91, fiv082.	1.3	25
129	A decision support tool for landfill methane generation and gas collection. Waste Management, 2015, 43, 307-318.	3.7	35
130	FR104, an Antagonist Anti-CD28 Monovalent Fabâ€™ Antibody, Prevents Alloimmunization and Allows Calcineurin Inhibitor Minimization in Nonhuman Primate Renal Allograft. American Journal of Transplantation, 2015, 15, 88-100.	2.6	67
131	Fate and transport of petroleum hydrocarbons in engineered biopiles in polar regions. Chemosphere, 2015, 131, 232-240.	4.2	95
132	Dynamics and distribution of bacterial and archaeal communities in oil-contaminated temperate coastal mudflat mesocosms. Environmental Science and Pollution Research, 2015, 22, 15230-15247.	2.7	45
133	Rare earth elements and critical metal content of extracted landfilled material and potential recovery opportunities. Waste Management, 2015, 42, 128-136.	3.7	96
134	Investigation into the non-biological outputs of mechanicalâ€“biological treatment facilities. Waste Management, 2015, 46, 212-226.	3.7	12
135	Bioengineering options and strategies for the optimization of anaerobic digestion processes. Environmental Technology Reviews, 2014, 3, 1-14.	2.1	10
136	Improving the Energy Balance of an Integrated Microalgal Wastewater Treatment Process. Waste and Biomass Valorization, 2014, 5, 245-253.	1.8	12
137	Analysis of petroleum-contaminated soils by diffuse reflectance spectroscopy and sequential ultrasonic solvent extractionâ€“gas chromatography. Environmental Pollution, 2014, 184, 298-305.	3.7	44
138	The sources, impact and management of car park runoff pollution: A review. Journal of Environmental Management, 2014, 146, 552-567.	3.8	61
139	Numerical investigation of the influence of texture, surface drip emitter discharge rate and initial soil moisture condition on wetting pattern size. Irrigation Science, 2014, 32, 421-436.	1.3	51
140	Influence and interactions of multi-factors on the bioavailability of PAHs in compost amended contaminated soils. Chemosphere, 2014, 107, 43-50.	4.2	17
141	Ozonation of dieselâ€“fuel contaminated sand and the implications for remediation end-points. Chemosphere, 2014, 109, 71-76.	4.2	18
142	Mapping polycyclic aromatic hydrocarbon and total toxicity equivalent soil concentrations by visible and near-infrared spectroscopy. Environmental Pollution, 2014, 192, 162-170.	3.7	19
143	Evaluation of engineered nanoparticle toxic effect on wastewater microorganisms: Current status and challenges. Ecotoxicology and Environmental Safety, 2013, 95, 1-9.	2.9	56
144	Influence of compost amendments on the hydraulic functioning of brownfield soils. Soil Use and Management, 2013, 29, 260-270.	2.6	13

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145	Influence of mature compost amendment on total and bioavailable polycyclic aromatic hydrocarbons in contaminated soils. Chemosphere, 2013, 90, 2240-2246.	4.2	71
146	Machine learning models for predicting PAHs bioavailability in compost amended soils. Chemical Engineering Journal, 2013, 223, 747-754.	6.6	67
147	Impact of a simulated oil spill on benthic phototrophs and nitrogenâ€fixing bacteria in mudflat mesocosms. Environmental Microbiology, 2013, 15, 242-252.	1.8	52
148	Influence of biochar on isoproturon partitioning and bioaccessibility in soil. Environmental Pollution, 2013, 181, 44-50.	3.7	29
149	Combining Solvent Extraction and Bioremediation for Removing Weathered Petroleum from Contaminated Soil. Pedosphere, 2013, 23, 455-463.	2.1	15
150	Risk assessment â€“ encapsulation of both the built and natural environments. Environmental Technology (United Kingdom), 2012, 33, 183-190.	1.2	1
151	Central Role of Dynamic Tidal Biofilms Dominated by Aerobic Hydrocarbonoclastic Bacteria and Diatoms in the Biodegradation of Hydrocarbons in Coastal Mudflats. Applied and Environmental Microbiology, 2012, 78, 3638-3648.	1.4	90
152	Effect of fertilizer formulation and bioaugmentation on biodegradation and leaching of crude oils and refined products in soils. Environmental Technology (United Kingdom), 2012, 33, 1879-1893.	1.2	34
153	Temporal and spatial changes in the microbial bioaerosol communities in green-waste composting. FEMS Microbiology Ecology, 2012, 79, 229-239.	1.3	40
154	Mineralisation of target hydrocarbons in three contaminated soils from former refinery facilities. Environmental Pollution, 2011, 159, 515-523.	3.7	37
155	Are alkane hydroxylase genes (alkB) relevant to assess petroleum bioremediation processes in chronically polluted coastal sediments?. Applied Microbiology and Biotechnology, 2011, 92, 835-844.	1.7	54
156	Recycling of solvent used in a solvent extraction of petroleum hydrocarbons contaminated soil. Journal of Hazardous Materials, 2011, 186, 533-539.	6.5	27
157	How a Bacterial Community Originating from a Contaminated Coastal Sediment Responds to an Oil Input. Microbial Ecology, 2010, 60, 394-405.	1.4	74
158	When is a soil remediated? Comparison of biopiled and windrowed soils contaminated with bunker-fuel in a full-scale trial. Environmental Pollution, 2010, 158, 3032-3040.	3.7	73
159	Multimedia fate of petroleum hydrocarbons in the soil: Oil matrix of constructed biopiles. Chemosphere, 2010, 81, 1454-1462.	4.2	51
160	Effect of pine bark and compost on the biological denitrification process of non-hazardous landfill leachate: Focus on the microbiology. Journal of Hazardous Materials, 2010, 181, 1163-1169.	6.5	37
161	Residues characterisation from the fluidised bed combustion of East Londonâ€™s solid recovered fuel. Waste Management, 2010, 30, 1318-1324.	3.7	4
162	Weathered Hydrocarbon Biotransformation: Implications for Bioremediation, Analysis, andâ€‰Risk Assessment. , 2010, , 2487-2499.		5

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163	Fate and behaviour of copper and zinc in secondary biological wastewater treatment processes: I Evaluation of biomass adsorption capacity. Environmental Technology (United Kingdom), 2010, 31, 705-723.	1.2	21
164	Fate and behaviour of copper and zinc in secondary biological wastewater treatment processes: II Removal at varying sludge age. Environmental Technology (United Kingdom), 2010, 31, 725-743.	1.2	20
165	Mixed aerobic and anaerobic microbial communities in benzene-contaminated groundwater. Journal of Applied Microbiology, 2009, 106, 317-328.	1.4	53
166	A review of literature and computer models on exposure assessment. Environmental Technology (United Kingdom), 2009, 30, 1487-1501.	1.2	8
167	Understanding the fate and transport of petroleum hydrocarbons from coal tar within gasholders. Environment International, 2009, 35, 248-252.	4.8	14
168	Do Fertilizers Help in Effective Bioremediation of Polycyclic Aromatic Hydrocarbons in Polar Soils?. , 2009, , 301-318.		0
169	Comparative Mesocosm Study of Biostimulation Efficiency in Two Different Oil-Amended Sub-Antarctic Soils. Microbial Ecology, 2008, 56, 243-252.	1.4	32
170	Structure of bacterial communities along a hydrocarbon contamination gradient in a coastal sediment. FEMS Microbiology Ecology, 2008, 66, 295-305.	1.3	132
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172	Development of an Analytical Procedure for Weathered Hydrocarbon Contaminated Soils within a UK Risk-Based Framework. Analytical Chemistry, 2008, 80, 7090-7096.	3.2	53
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