Kirk T. Semple

List of Publications by Year
in descending order

242	12,890	18482 62	30087 103
papers	citations	h-index	g-index

248	248	248	9938
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bound pesticide residues in soils: a review. Environmental Pollution, 2000, 108, 3-14.	7.5	608
2	Peer Reviewed: Defining Bioavailability and Bioaccessibility of Contaminated Soil and Sediment is Complicated. Environmental Science & Technology, 2004, 38, 228A-231A.	10.0	558
3	Bioavailability of persistent organic pollutants in soils and sediments–a perspective on mechanisms, consequences and assessment. Environmental Pollution, 2000, 108, 103-112.	7.5	510
4	Bioavailability of hydrophobic organic contaminants in soils: fundamental concepts and techniques for analysis. European Journal of Soil Science, 2003, 54, 809-818.	3.9	484
5	Impact of composting strategies on the treatment of soils contaminated with organic pollutants. Environmental Pollution, 2001, 112, 269-283.	7.5	413
6	Nonexhaustive Cyclodextrin-Based Extraction Technique for the Evaluation of PAH Bioavailability. Environmental Science & Technology, 2000, 34, 3174-3179.	10.0	343
7	The challenges of anaerobic digestion and the role of biochar in optimizing anaerobic digestion. Waste Management, 2017, 61, 236-249.	7.4	290
8	Microbial interactions with organic contaminants in soil: Definitions, processes and measurement. Environmental Pollution, 2007, 150, 166-176.	7.5	255
9	Beyond the obvious: Environmental health implications of polar polycyclic aromatic hydrocarbons. Environment International, 2019, 123, 543-557.	10.0	245
10	Biodegradation of aromatic compounds by microalgae. FEMS Microbiology Letters, 1999, 170, 291-300.	1.8	231
11	Past, Present, and Future Controls on Levels of Persistent Organic Pollutants in the Global Environment. Environmental Science & Technology, 2010, 44, 6526-6531.	10.0	214
12	Chemical pollution: A growing peril and potential catastrophic risk to humanity. Environment International, 2021, 156, 106616.	10.0	193
13	Microbe-aliphatic hydrocarbon interactions in soil: implications for biodegradation and bioremediation. Journal of Applied Microbiology, 2007, 102, 1239-1253.	3.1	183
14	Impact of biochar on the anaerobic digestion of citrus peel waste. Bioresource Technology, 2016, 216, 142-149.	9.6	182
15	Impact of Black Carbon in the Extraction and Mineralization of Phenanthrene in Soil. Environmental Science & Technology, 2008, 42, 740-745.	10.0	172
16	From Bioavailability Science to Regulation of Organic Chemicals. Environmental Science & Technology, 2015, 49, 10255-10264.	10.0	171
17	Bioavailability of Nonextractable (Bound) Pesticide Residues to Earthworms. Environmental Science & Technology, 2001, 35, 501-507.	10.0	144
18	Biodegradation of phenols by the alga Ochromonas danica. Applied and Environmental Microbiology, 1996, 62, 1265-1273.	3.1	135

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19	Interactions between earthworms and arsenic in the soil environment: a review. Environmental Pollution, 2003, 124, 361-373.	7.5	124
20	A simple14C-respirometric method for assessing microbial catabolic potential and contaminant bioavailability. FEMS Microbiology Letters, 2001, 196, 141-146.	1.8	119
21	Chemical measures of bioavailability/bioaccessibility of PAHs in soil: Fundamentals to application. Journal of Hazardous Materials, 2013, 261, 687-700.	12.4	114
22	Polycyclovorans algicola gen. nov., sp. nov., an Aromatic-Hydrocarbon-Degrading Marine Bacterium Found Associated with Laboratory Cultures of Marine Phytoplankton. Applied and Environmental Microbiology, 2013, 79, 205-214.	3.1	113
23	Resistance to arsenic-toxicity in a population of the earthworm Lumbricus rubellus. Soil Biology and Biochemistry, 1999, 31, 1963-1967.	8.8	105
24	Influence of Contact Time on Extractability and Degradation of Pyrene in Soils. Environmental Science & Technology, 2000, 34, 4952-4957.	10.0	105
25	Impact of black carbon on the bioaccessibility of organic contaminants in soil. Journal of Hazardous Materials, 2013, 261, 808-816.	12.4	105
26	Assessment of spiking procedures for the introduction of a phenanthrene-LNAPL mixture into field-wet soil. Environmental Pollution, 2003, 126, 399-406.	7.5	102
27	Survival and behaviour of the earthworms Lumbricus rubellus and Dendrodrilus rubidus from arsenate-contaminated and non-contaminated sites. Soil Biology and Biochemistry, 2001, 33, 1239-1244.	8.8	101
28	Long-Term Fate of Polychlorinated Biphenyls and Polycyclic Aromatic Hydrocarbons in an Agricultural Soil. Environmental Science & Technology, 2005, 39, 3663-3670.	10.0	101
29	PREDICTION OF POLYCYCLIC AROMATIC HYDROCARBON BIODEGRADATION IN CONTAMINATED SOILS USING AN AQUEOUS HYDROXYPROPYL-Î²-CYCLODEXTRIN EXTRACTION TECHNIQUE. Environmental Toxicology and Chemistry, 2005, 24, 1325.	4.3	100
30	Impact of electrokinetic remediation on microbial communities within PCP contaminated soil. Environmental Pollution, 2007, 146, 139-146.	7.5	99
31	Assessing the chemical and biological accessibility of the herbicide isoproturon in soil amended with biochar. Chemosphere, 2012, 88, 77-83.	8.2	99
32	High solid anaerobic digestion: Operational challenges and possibilities. Environmental Technology and Innovation, 2015, 4, 268-284.	6.1	94
33	Insights into the biodegradation of weathered hydrocarbons in contaminated soils by bioaugmentation and nutrient stimulation. Chemosphere, 2016, 161, 300-307.	8.2	94
34	Formation of non-extractable pesticide residues: observations on compound differences, measurement and regulatory issues. Environmental Pollution, 2005, 133, 25-34.	7.5	91
35	Biogenic volatile organic compounds as potential carbon sources for microbial communities in soil from the rhizosphere ofPopulus tremula. FEMS Microbiology Letters, 2007, 268, 34-39.	1.8	90
36	Soil contamination in China: Current priorities, defining background levels and standards for heavy metals. Journal of Environmental Management, 2019, 251, 109512.	7.8	90

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37	Behaviour and assessment of bioavailability of organic contaminants in soil: relevance for risk assessment and remediation. Soil Use and Management, 2005, 21, 475-486.	4.9	86
38	An assessment of the impacts of pesticide use on the environment and health of rice farmers in Sierra Leone. Environment International, 2016, 94, 458-466.	10.0	85
39	Linking Catabolism to Cyclodextrin Extractability:Â Determination of the Microbial Availability of PAHs in Soil. Environmental Science & Technology, 2005, 39, 8858-8864.	10.0	83
40	Biodegradation of PAHs in soil: Influence of chemical structure, concentration and multiple amendment. Environmental Pollution, 2010, 158, 3411-3420.	7.5	83
41	Mycelia Promote Active Transport and Spatial Dispersion of Polycyclic Aromatic Hydrocarbons. Environmental Science & Technology, 2012, 46, 5463-5470.	10.0	83
42	Sequential extraction of low concentrations of pyrene and formation of non-extractable residues in sterile and non-sterile soils. Soil Biology and Biochemistry, 2003, 35, 1443-1450.	8.8	82
43	Cyclodextrin Enhanced Biodegradation of Polycyclic Aromatic Hydrocarbons and Phenols in Contaminated Soil Slurries. Environmental Science & Technology, 2007, 41, 5498-5504.	10.0	82
44	Impact of Biochar on Organic Contaminants in Soil: A Tool for Mitigating Risk?. Agronomy, 2013, 3, 349-375.	3.0	82
45	Polycyclic Aromatic Hydrocarbon Degradation of Phytoplankton-Associated Arenibacter spp. and Description of Arenibacter algicola sp. nov., an Aromatic Hydrocarbon-Degrading Bacterium. Applied and Environmental Microbiology, 2014, 80, 618-628.	3.1	81
46	Weathered Hydrocarbon Wastes: A Risk Management Primer. Critical Reviews in Environmental Science and Technology, 2007, 37, 199-232.	12.8	77
47	Distribution of Aged14Câ^'PCB and14Câ^'PAH Residues in Particle-Size and Humic Fractions of an Agricultural Soil. Environmental Science & Technology, 2005, 39, 6575-6583.	10.0	75
48	Prediction of mono- and polycyclic aromatic hydrocarbon degradation in spiked soils using cyclodextrin extraction. Environmental Pollution, 2006, 144, 562-571.	7.5	75
49	Linking desorption kinetics to phenanthrene biodegradation in soil. Environmental Pollution, 2010, 158, 1348-1353.	7.5	74
50	Can microbial mineralization be used to estimate microbial availability of organic contaminants in soil?. Environmental Pollution, 2006, 140, 164-172.	7.5	73
51	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.	7.5	73
52	Pyrogenic carbon and its role in contaminant immobilization in soils. Critical Reviews in Environmental Science and Technology, 2017, 47, 795-876.	12.8	72
53	Arsenic-speciation in arsenate-resistant and non-resistant populations of the earthworm, Lumbricus rubellus. Journal of Environmental Monitoring, 2002, 4, 603-608.	2.1	70
54	Stable Isotope Probing of an Algal Bloom To Identify Uncultivated Members of the Rhodobacteraceae Associated with Low-Molecular-Weight Polycyclic Aromatic Hydrocarbon Degradation. Applied and Environmental Microbiology, 2011, 77, 7856-7860.	3.1	70

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55	Algiphilus aromaticivorans gen. nov., sp. nov., an aromatic hydrocarbon-degrading bacterium isolated from a culture of the marine dinoflagellate Lingulodinium polyedrum, and proposal of Algiphilaceae fam. nov.. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 2743-2749.	1.7	70
56	The adaptation of two similar soils to pyrene catabolism. Environmental Pollution, 2002, 119, 357-364.	7.5	69
57	Thermal stability of biochar and its effects on cadmium sorption capacity. Bioresource Technology, 2017, 246, 48-56.	9.6	69
58	Evaluation of Spiking Procedures for the Introduction of Poorly Water Soluble Contaminants into Soil. Environmental Science & Technology, 1998, 32, 3224-3227.	10.0	67
59	Temporal changes in earthworm availability and extractability of polycyclic aromatic hydrocarbons in soil. Soil Biology and Biochemistry, 2002, 34, 1363-1370.	8.8	67
60	Effects of ageing and soil properties on the oral bioavailability of benzo[a]pyrene using a swine model. Environment International, 2014, 70, 192-202.	10.0	67
61	Abiotic factors controlling bioavailability and bioaccessibility of polycyclic aromatic hydrocarbons in soil: Putting together a bigger picture. Science of the Total Environment, 2018, 613-614, 1140-1153.	8.0	66
62	Further validation of the HPCD-technique for the evaluation of PAH microbial availability in soil. Environmental Pollution, 2006, 144, 345-354.	7.5	64
63	Impact of carbon nanomaterials on the behaviour of 14C-phenanthrene and 14C-benzo-[a] pyrene in soil. Environmental Pollution, 2011, 159, 706-715.	7.5	63
64	Influence of Activated Charcoal on Desorption Kinetics and Biodegradation of Phenanthrene in Soil. Environmental Science & Technology, 2012, 46, 12445-12451.	10.0	63
65	Resistance to copper toxicity in populations of the earthworms Lumbricus rubellus and Dendrodrilus rubidus from contaminated mine wastes. Environmental Toxicology and Chemistry, 2001, 20, 2336-2341.	4.3	61
66	The effect of soil:water ratios on the mineralisation of phenanthrene:LNAPL mixtures in soil. FEMS Microbiology Letters, 2003, 220, 29-33.	1.8	61
67	Impact of activated charcoal on the mineralisation of 14C-phenanthrene in soils. Chemosphere, 2010, 79, 463-469.	8.2	60
68	Effects of acidic and neutral biochars on properties and cadmium retention of soils. Chemosphere, 2017, 180, 564-573.	8.2	60
69	Concentration-dependent effects of carbon nanoparticles in gram-negative bacteria determined by infrared spectroscopy with multivariate analysis. Environmental Pollution, 2012, 163, 226-234.	7.5	59
70	Interactions of multiwalled carbon nanotubes with algal cells: Quantification of association, visualization of uptake, and measurement of alterations in the composition of cells. Environmental Pollution, 2015, 196, 431-439.	7.5	58
71	Induction of PAH-catabolism in mushroom compost and its use in the biodegradation of soil-associated phenanthrene. Environmental Pollution, 2002, 118, 65-73.	7.5	57
72	Measurement of soil lead bioavailability and influence of soil types and properties: A review. Chemosphere, 2017, 184, 27-42.	8.2	55

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73	Development of an Analytical Procedure for Weathered Hydrocarbon Contaminated Soils within a UK Risk-Based Framework. Analytical Chemistry, 2008, 80, 7090-7096.	6.5	53
74	Harmonising conflicts between science, regulation, perception and environmental impact: The case of soil conditioners from bioenergy. Environment International, 2015, 75, 52-67.	10.0	53
75	Multimedia fate of petroleum hydrocarbons in the soil: Oil matrix of constructed biopiles. Chemosphere, 2010, 81, 1454-1462.	8.2	51
76	Prediction of PAH biodegradation in field contaminated soils using a cyclodextrin extraction technique. Journal of Environmental Monitoring, 2007, 9, 516.	2.1	50
77	An NMR study of porous rock and biochar containing organic material. Microporous and Mesoporous Materials, 2013, 178, 94-98.	4.4	50
78	Biochar-microorganism interactions for organic pollutant remediation: Challenges and perspectives. Environmental Pollution, 2022, 308, 119609.	7.5	49
79	Impact of carbon nanomaterials on microbial activity in soil. Soil Biology and Biochemistry, 2015, 86, 172-180.	8.8	46
80	Quantifying the exposure of humans and the environment to oil pollution in the Niger Delta using advanced geostatistical techniques. Environment International, 2018, 111, 32-42.	10.0	46
81	Analysis of polycyclic aromatic hydrocarbons (PAHs) and their polar derivatives in soils of an industrial heritage city of Australia. Science of the Total Environment, 2020, 699, 134303.	8.0	46
82	INFLUENCE OF HYDROXYPROPYL-Î²-CYCLODEXTRIN ON THE EXTRACTION AND BIODEGRADATION OF PHENANTHRENE IN SOIL. Environmental Toxicology and Chemistry, 2004, 23, 550.	4.3	44
83	Ligand Arsenic Complexation and Immunoperoxidase Detection of Metallothionein in the EarthwormLumbricus rubellusInhabiting Arsenic-Rich Soil. Environmental Science & Technology, 2005, 39, 2042-2048.	10.0	44
84	Feasibility of using prokaryote biosensors to assess acute toxicity of polycyclic aromatic hydrocarbons. FEMS Microbiology Letters, 1998, 169, 227-233.	1.8	43
85	Degradation of phenol and its methylated homologues by Ochromonas danica. FEMS Microbiology Letters, 2006, 152, 133-139.	1.8	43
86	Isolation and characterisation of azoxystrobin degrading bacteria from soil. Chemosphere, 2014, 95, 370-378.	8.2	43
87	Enantioselective Degradation of Organochlorine Pesticides in Background Soils:Â Variability in Field and Laboratory Studies. Environmental Science & Technology, 2007, 41, 4965-4971.	10.0	41
88	The influence of single and multiple applications of pyrene on the evolution of pyrene catabolism in soil. Environmental Pollution, 2006, 139, 455-460.	7.5	40
89	INHERITED RESISTANCE TO ARSENATE TOXICITY IN TWO POPULATIONS OF LUMBRICUS RUBELLUS. Environmental Toxicology and Chemistry, 2003, 22, 2344.	4.3	39
90	A biomarker model of sublethal genotoxicity (DNA single-strand breaks and adducts) using the sentinel organism Aporrectodea longa in spiked soil. Environmental Pollution, 2005, 138, 307-315.	7.5	39

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91	Peer Reviewed: Nonextractable Pesticide Residues in Soil. Environmental Science & Technology, 2003, 37, 138A-144A.	10.0	38
92	Application of a luminescence-based biosensor for assessing naphthalene biodegradation in soils from a manufactured gas plant. Environmental Pollution, 2009, 157, 1643-1648.	7.5	38
93	Arsenic speciation in the earthwormsLumbricus rubellusandDendrodrilus rubidus. Environmental Toxicology and Chemistry, 2003, 22, 1302-1308.	4.3	37
94	Relationship between cyclodextrin extraction and biodegradation of phenanthrene in soil. Environmental Toxicology and Chemistry, 2008, 27, 1488-1495.	4.3	37
95	Mineralisation of target hydrocarbons in three contaminated soils from former refinery facilities. Environmental Pollution, 2011, 159, 515-523.	7.5	37
96	Effect of ageing on benzo[a]pyrene extractability in contrasting soils. Journal of Hazardous Materials, 2015, 296, 175-184.	12.4	37
97	Non-exhaustive extraction techniques (NEETs) for the prediction of naphthalene mineralisation in soil. FEMS Microbiology Letters, 2004, 241, 215-220.	1.8	35
98	Residual hydrophobic organic contaminants in soil: Are they a barrier to risk-based approaches for managing contaminated land?. Environment International, 2017, 98, 18-34.	10.0	35
99	Assessing biodegradation potential of PAHs in complex multi-contaminant matrices. Environmental Pollution, 2008, 156, 1041-1045.	7.5	34
100	Formation and release of non-extractable 14C-Dicamba residues in soil under sterile and non-sterile regimes. Environmental Pollution, 2005, 133, 17-24.	7.5	33
101	Fate and behaviour of nitrogen-containing polycyclic aromatic hydrocarbons in soil. Environmental Technology and Innovation, 2015, 3, 108-120.	6.1	33
102	Chapter 3 Bioavailability: Definition, assessment and implications for risk assessment. Developments in Soil Science, 2008, , 39-51.	0.5	32
103	Linking chemical extraction to microbial degradation of 14C-hexadecane in soil. Environmental Pollution, 2008, 156, 474-481.	7.5	32
104	As-resistance in laboratory-reared F1, F2 and F3 generation offspring of the earthworm Lumbricus rubellus inhabiting an As-contaminated mine soil. Environmental Pollution, 2009, 157, 3114-3119.	7.5	32
105	Effects of soil compaction, rain exposure and their interaction on soil carbon dioxide emission. Earth Surface Processes and Landforms, 2012, 37, 994-999.	2.5	32
106	Fate and behaviour of phenanthrene in the natural and artificial soils. Environmental Pollution, 2008, 152, 468-475.	7.5	31
107	Influence of hydroxypropyl-Î²-cyclodextrin on the biodegradation of 14C-phenanthrene and 14C-hexadecane in soil. Environmental Pollution, 2009, 157, 2678-2683.	7.5	31
108	The impact of biochar on the bioaccessibility of¹⁴C-phenanthrene in aged soil. Environmental Sciences: Processes and Impacts, 2014, 16, 2635-2643.	3.5	31

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109	Fugacity modelling to predict the distribution of organic contaminants in the soil:oil matrix of constructed biopiles. Chemosphere, 2008, 71, 1432-1439.	8.2	30
110	Infrared Spectroscopy Coupled with a Dispersion Model for Quantifying the Real-Time Dynamics of Kanamycin Resistance in Artificial Microbiota. Analytical Chemistry, 2017, 89, 9814-9821.	6.5	30
111	The development of phenanthrene catabolism in soil amended with transformer oil. FEMS Microbiology Letters, 2003, 228, 217-223.	1.8	29
112	The extractability and mineralisation of cypermethrin aged in four UK soils. Chemosphere, 2011, 82, 187-192.	8.2	29
113	Development of microbial degradation of cypermethrin and diazinon in organically and conventionally managed soils. Journal of Environmental Monitoring, 2007, 9, 510.	2.1	28
114	Effects of phenanthrene and its nitrogen-heterocyclic analogues aged in soil on the earthworm Eisenia fetida. Applied Soil Ecology, 2016, 105, 151-159.	4.3	28
115	RESISTANCE TO COPPER TOXICITY IN POPULATIONS OF THE EARTHWORMS LUMBRICUS RUBELLUS AND DENDRODRILUS RUBIDUS FROM CONTAMINATED MINE WASTES. Environmental Toxicology and Chemistry, 2001, 20, 2336.	4.3	28
116	Rapid quantification of polycyclic aromatic hydrocarbons in hydroxypropyl-Î²-cyclodextrin (HPCD) soil extracts by synchronous fluorescence spectroscopy (SFS). Environmental Pollution, 2007, 148, 176-181.	7.5	26
117	Biodegradation of 2,4-dichlorophenol in the presence of volatile organic compounds in soils under different vegetation types. FEMS Microbiology Letters, 2007, 269, 323-330.	1.8	26
118	Towards bioavailability-based soil criteria: past, present and future perspectives. Environmental Science and Pollution Research, 2015, 22, 8779-8785.	5.3	26
119	Time-Dependent Remobilization of Nonextractable Benzo[a]pyrene Residues in Contrasting Soils: Effects of Aging, Spiked Concentration, and Soil Properties. Environmental Science & Technology, 2018, 52, 12295-12305.	10.0	26
120	Yellow earthworms: distinctive pigmentation associated with arsenic- and copper-tolerance in Lumbricus rubellus. Soil Biology and Biochemistry, 2002, 34, 1833-1838.	8.8	25
121	Influence of plants on the chemical extractability and biodegradability of 2,4-dichlorophenol in soil. Environmental Pollution, 2005, 133, 53-62.	7.5	25
122	Biodegradation of phenanthrene by indigenous microorganisms in soils from Livingstone Island, Antarctica. FEMS Microbiology Letters, 2012, 329, 69-77.	1.8	25
123	Risk assessment of PAHs and N-PAH analogues in sediment cores from the Niger Delta. Marine Pollution Bulletin, 2020, 161, 111684.	5.0	25
124	Factors affecting the mineralization of [U-14C]benzene in spent mushroom substrate. FEMS Microbiology Letters, 1998, 164, 317-321.	1.8	24
125	Carbon nanomaterials in clean and contaminated soils: environmental implications and applications. Soil, 2015, 1, 1-21.	4.9	24
126	Biodegradation of aromatic compounds by microalgae. FEMS Microbiology Letters, 1999, 170, 291-300.	1.8	24

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127	Heterotrophic growth on phenolic mixtures by Ochromonas danica. Research in Microbiology, 1998, 149, 65-72.	2.1	23
128	Mechanistic insights into nanotoxicity determined by synchrotron radiation-based Fourier-transform infrared imaging and multivariate analysis. Environment International, 2012, 50, 56-65.	10.0	23
129	Metabolism of phenols byOchromonas danica. FEMS Microbiology Letters, 1995, 133, 253-257.	1.8	22
130	Importance of chemical structure on the development of hydrocarbon catabolism in soil. FEMS Microbiology Letters, 2007, 272, 120-126.	1.8	22
131	Predicting the biodegradation of target hydrocarbons in the presence of mixed contaminants in soil. Chemosphere, 2009, 74, 563-567.	8.2	22
132	Comparison of oral bioavailability of benzo[a]pyrene in soils using rat and swine and the implications for human health risk assessment. Environment International, 2016, 94, 95-102.	10.0	22
133	Biological tools for the assessment of contaminated land: applied soil ecotoxicology. Soil Use and Management, 2005, 21, 487-499.	4.9	21
134	The effect of substrate to inoculum ratios on the anaerobic digestion of human faecal material. Environmental Technology and Innovation, 2015, 3, 121-129.	6.1	21
135	The role of microorganisms in ecological risk assessment of hydrophobic organic contaminants in soils. Advances in Applied Microbiology, 2001, 48, 171-212.	2.4	20
136	Single-well reactive tracer test and stable isotope analysis for determination of microbial activity in a fast hydrocarbon-contaminated aquifer. Environmental Pollution, 2004, 129, 321-330.	7.5	20
137	Prediction of [3-14C]phenyldodecane biodegradation in cable insulating oil-spiked soil using selected extraction techniques. Environmental Pollution, 2005, 138, 316-323.	7.5	20
138	Prediction of Microbial Accessibility of Carbonâ€14â€Phenanthrene in Soil in the Presence of Pyrene or Benzo[a]pyrene using an Aqueous Cyclodextrin Extraction Technique. Journal of Environmental Quality, 2007, 36, 1385-1391.	2.0	20
139	Resistance and resilience responses of a range of soil eukaryote and bacterial taxa to fungicide application. Chemosphere, 2014, 112, 194-202.	8.2	20
140	A meta-analysis to correlate lead bioavailability and bioaccessibility and predict lead bioavailability. Environment International, 2016, 92-93, 139-145.	10.0	20
141	Biodegradation of fluorene by the newly isolated marine-derived fungus, Mucor irregularis strain bpo1 using response surface methodology. Ecotoxicology and Environmental Safety, 2021, 208, 111619.	6.0	19
142	Development of phenanthrene catabolism in natural and artificial soils. Environmental Pollution, 2008, 152, 424-430.	7.5	18
143	Spectrochemical analyses of growth phase-related bacterial responses to low (environmentally-relevant) concentrations of tetracycline and nanoparticulate silver. Analyst, The, 2018, 143, 768-776.	3.5	18
144	In vitro gastrointestinal mobilization and oral bioaccessibility of PAHs in contrasting soils and associated cancer risks: Focus on PAH nonextractable residues. Environment International, 2019, 133, 105186.	10.0	18

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145	Counting the cost of the Niger Delta's largest oil spills: Satellite remote sensing reveals extensive environmental damage with >1million people in the impact zone. Science of the Total Environment, 2021, 775, 145854.	8.0	18
146	Methods for the analysis of PCBs in human food, faeces and serum. Chemosphere, 1999, 39, 1467-1476.	8.2	17
147	Effects of organophosphate and synthetic pyrethroid sheep dip formulations on protozoan survival and bacterial survival and growth. FEMS Microbiology Ecology, 2004, 47, 121-127.	2.7	17
148	Impact of Zn, Cu, Al and Fe on the partitioning and bioaccessibility of 14C-phenanthrene in soil. Environmental Pollution, 2013, 180, 180-189.	7.5	17
149	Effects of plant species identity, diversity and soil fertility on biodegradation of phenanthrene in soil. Environmental Pollution, 2013, 173, 231-237.	7.5	17
150	Biodegradation of Phenanthrene-Nitrogen-Containing Analogues in Soil. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	17
151	Impact of redox-mediators in the degradation of olsalazine by marine-derived fungus, Aspergillus aculeatus strain bpo2: Response surface methodology, laccase stability and kinetics. Ecotoxicology and Environmental Safety, 2021, 208, 111742.	6.0	17
152	Enhanced mineralization of UL-14C-pentachlorophenol by mushroom composts. Research in Microbiology, 1997, 148, 795-798.	2.1	16
153	The formation of bound residues of diazinon in four UK soils: Implications for risk assessment. Environmental Pollution, 2011, 159, 776-781.	7.5	16
154	Using publicly available data, a physiologically-based pharmacokinetic model and Bayesian simulation to improve arsenic non-cancer dose-response. Environment International, 2016, 92-93, 239-246.	10.0	16
155	Effects of Wood Ash-Based Alkaline Treatment on Nitrogen, Carbon, and Phosphorus Availability in Food Waste and Agro-Industrial Waste Digestates. Waste and Biomass Valorization, 2021, 12, 3355-3370.	3.4	16
156	Fate and bioavailability of 14C-pyrene and 14C-lindane in sterile natural and artificial soils and the influence of aging. Environmental Pollution, 2012, 171, 93-98.	7.5	15
157	Mid-infrared spectroscopic assessment of nanotoxicity in Gram-negative vs. Gram-positive bacteria. Analyst, The, 2014, 139, 896-905.	3.5	15
158	The impact of soil organic matter and soil sterilisation on the bioaccessibility of 14C-azoxystrobin determined by desorption kinetics. Journal of Hazardous Materials, 2014, 278, 336-342.	12.4	15
159	The variability of standard artificial soils: Behaviour, extractability and bioavailability of organic pollutants. Journal of Hazardous Materials, 2014, 264, 514-520.	12.4	15
160	Assessment of the effects of phenanthrene and its nitrogen heterocyclic analogues on microbial activity in soil. SpringerPlus, 2016, 5, 279.	1.2	15
161	Biodegradation of phenols by a eukaryotic alga. Research in Microbiology, 1997, 148, 365-367.	2.1	14
162	The potential for anaerobic mineralisation of hydrocarbon constituents of oily drill cuttings from the North Sea seabed. Journal of Environmental Monitoring, 2002, 4, 553.	2.1	14

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163	Using supercritical fluid extraction to measure the desorption and bioaccessibility of phenanthrene in soils. Environmental Pollution, 2008, 156, 664-670.	7.5	14
164	Biogenic volatile organic compounds as a potential stimulator for organic contaminant degradation by soil microorganisms. Environmental Pollution, 2009, 157, 86-94.	7.5	14
165	The biodegradation of cable oil components: Impact of oil concentration, nutrient addition and bioaugmentation. Environmental Pollution, 2011, 159, 3777-3783.	7.5	14
166	Impact of two contrasting biochars on the bioaccessibility of 14C-naphthalene in soil. Environmental Technology and Innovation, 2016, 6, 80-93.	6.1	14
167	Comparison of Single- and Sequential-Solvent Extractions of Total Extractable Benzo[a]pyrene Fractions in Contrasting Soils. Analytical Chemistry, 2018, 90, 11703-11709.	6.5	14
168	The effect of acidogenic and methanogenic conditions on the availability and stability of carbon, nitrogen and phosphorus in a digestate. Journal of Environmental Chemical Engineering, 2019, 7, 103138.	6.7	14
169	The impact of synthetic pyrethroid and organophosphate sheep dip formulations on microbial activity in soil. Environmental Pollution, 2008, 153, 207-214.	7.5	13
170	The effect of soil:water ratios on the induction of isoproturon, cypermethrin and diazinon mineralisation. Chemosphere, 2011, 82, 163-168.	8.2	13
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