

# Steven Douglas Siciliano

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

209  
papers

9,478  
citations

50  
h-index

92  
g-index

212  
ext. papers

10,643  
ext. citations

5.9  
avg, IF

6.12  
L-index

#	Paper	IF	Citations
209	The silent carbon pool: Cryoturbic enriched organic matter in Canadian High Arctic semi-deserts. <i>Geoderma</i> , <b>2022</b> , 415, 115781	6.7	0
208	Brassica napus Bacterial Assembly Processes Vary with Plant Compartment and Growth Stage but Not between Lines.. <i>Applied and Environmental Microbiology</i> , <b>2022</b> , e0027322	4.8	1
207	A sustainable colloidal material with sorption and nutrient-supply capabilities for in situ groundwater bioremediation. <i>Journal of Environmental Quality</i> , <b>2021</b> , 50, 1440-1451	3.4	
206	Phenology-dependent root bacteria enhance yield of Brassica napus. <i>Soil Biology and Biochemistry</i> , <b>2021</b> , 166, 108468	7.5	0
205	Brassica napus phyllosphere bacterial composition changes with growth stage. <i>Plant and Soil</i> , <b>2021</b> , 464, 501-516	4.2	5
204	Does habitat quality matter to soil invertebrates in metal-contaminated soils?. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 409, 124969	12.8	0
203	Community effect concentrations as a new concept to easily incorporate community data in environmental effect assessment of complex metal mixtures. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 411, 125088	12.8	1
202	Soil Buffering Capacity Can Be Used To Optimize Biostimulation of Psychrotrophic Hydrocarbon Remediation. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 9864-9875	10.3	1
201	Is assuming additivity of single-metal toxicity thresholds a conservative approach to assessing risk of ecotoxicity from elevated soil concentrations of cobalt, copper, and nickel at contaminated sites?. <i>Integrated Environmental Assessment and Management</i> , <b>2021</b> , 17, 753-766	2.5	
200	The role of monodentate tetrahedral borate complexes in boric acid binding to a soil organic matter analogue. <i>Chemosphere</i> , <b>2021</b> , 276, 130150	8.4	7
199	Are structural and functional endpoints of soil communities similarly affected by metal mixtures? - A terrestrial model ecosystem approach. <i>Science of the Total Environment</i> , <b>2021</b> , 795, 148909	10.2	
198	From the Outside in: An Overview of Positron Imaging of Plant and Soil Processes. <i>Molecular Imaging</i> , <b>2020</b> , 19, 1536012120966405	3.7	6
197	An intensive multilocation temporal dataset of fungal communities in the root and rhizosphere of. <i>Data in Brief</i> , <b>2020</b> , 30, 105467	1.2	2
196	Introducing the Adverse Ecosystem Service Pathway as a Tool in Ecological Risk Assessment. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 8144-8157	10.3	5
195	The effects of complex metal oxide mixtures on three soil invertebrates with contrasting biological traits. <i>Science of the Total Environment</i> , <b>2020</b> , 738, 139921	10.2	3
194	Metal oxides and annealed metals as alternatives to metal salts for fixed-ratio metal mixture ecotoxicity tests in soil. <i>PLoS ONE</i> , <b>2020</b> , 15, e0229794	3.7	4
193	A survey of invasive plants on grassland soil microbial communities and ecosystem services. <i>Scientific Data</i> , <b>2020</b> , 7, 86	8.2	4

192	Could Cryoturbid Diapirs Be Key for Understanding Ecological Feedbacks to Climate Change in High Arctic Polar Deserts?. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2020</b> , 125, e2019JG005263	3.7	1
191	Methodology and validation of a new tandem mass spectrometer method for the quantification of inorganic and organic 18O-phosphate species. <i>PLoS ONE</i> , <b>2020</b> , 15, e0229172	3.7	
190	Nitrous oxide emissions from permafrost-affected soils. <i>Nature Reviews Earth &amp; Environment</i> , <b>2020</b> , 1, 420-434	30.2	34
189	Single metal and metal mixture toxicity of five metals to <i>Oppia nitens</i> in five different Canadian soils. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 392, 122341	12.8	4
188	Inclusion of molecular descriptors in predictive models improves pesticide soil-air partitioning estimates. <i>Chemosphere</i> , <b>2020</b> , 248, 126031	8.4	5
187	A Dynamic Shift in Soil Metal Risk Assessment, It is Time to Shift from Toxicokinetics to Toxicodynamics. <i>Environmental Toxicology and Chemistry</i> , <b>2020</b> , 39, 1307-1308	3.8	2
186	Biology and carbon lability of sub-surface nutrient patches in High Arctic polar deserts drives the probability and magnitude of nitrous oxide emissions. <i>Soil Biology and Biochemistry</i> , <b>2020</b> , 150, 108001	7.5	2
185	Uptake, toxicity, and maternal transfer of cadmium in the oribatid soil mite, <i>Oppia nitens</i> : Implication in the risk assessment of cadmium to soil invertebrates. <i>Environmental Pollution</i> , <b>2020</b> , 259, 113912	9.3	4
184	An intensive multilocation temporal dataset of fungal and bacterial communities in the root and rhizosphere of. <i>Data in Brief</i> , <b>2020</b> , 31, 106143	1.2	4
183	Spectroscopic Quantification of Inner- and Outer-Sphere Oxanion Complexation Kinetics: Ionic Strength and Background Cation Effect on Sulfate Adsorption to Hematite. <i>ACS Earth and Space Chemistry</i> , <b>2020</b> , 4, 1765-1776	3.2	3
182	<i>Oppia nitens</i> C.L. Koch, 1836 (Acari: Oribatida): Current Status of Its Bionomics and Relevance as a Model Invertebrate in Soil Ecotoxicology. <i>Environmental Toxicology and Chemistry</i> , <b>2019</b> , 38, 2593-2613	3.8	8
181	Multigenerational exposure of populations of <i>Oppia nitens</i> to zinc under pulse and continuous exposure scenarios. <i>Environmental Toxicology and Chemistry</i> , <b>2019</b> , 38, 896-904	3.8	10
180	Incremental sampling methodology for petroleum hydrocarbon contaminated soils: volume estimates and remediation strategies. <i>Soil and Sediment Contamination</i> , <b>2019</b> , 28, 51-64	3.2	2
179	Toxicity assessment of metal mixtures to soil enzymes is influenced by metal dosing method. <i>Chemosphere</i> , <b>2019</b> , 232, 366-376	8.4	9
178	Assessing Space, Time, and Remediation Contribution to Soil Pollutant Variation near the Detection Limit Using Hurdle Models to Account for a Large Proportion of Nondetectable Results. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 6824-6833	10.3	3
177	The forgotten role of toxicodynamics: How habitat quality alters the mite, <i>Oppia nitens</i> , susceptibility to zinc, independent of toxicokinetics. <i>Chemosphere</i> , <b>2019</b> , 227, 444-454	8.4	9
176	Advancing soil ecological risk assessments for petroleum hydrocarbon contaminated soils in Canada: Persistence, organic carbon normalization and relevance of species assemblages. <i>Science of the Total Environment</i> , <b>2019</b> , 668, 400-410	10.2	11
175	Structural equation modeling of a winnowed soil microbiome identifies how invasive plants re-structure microbial networks. <i>ISME Journal</i> , <b>2019</b> , 13, 1988-1996	11.9	26

174	The Charosphere Promotes Mineralization of <sup>13</sup> C-Phenanthrene by Psychrotrophic Microorganisms in Greenland Soils. <i>Journal of Environmental Quality</i> , <b>2019</b> , 48, 559-567	3.4	6
173	Core and Differentially Abundant Bacterial Taxa in the Rhizosphere of Field Grown Genotypes: Implications for Canola Breeding. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 3007	5.7	17
172	In situ transformations of bonechar and tri-poly phosphate amendments in phosphorus-limited subsurface soils. <i>Applied Geochemistry</i> , <b>2019</b> , 109, 104398	3.5	4
171	Effects of chemical speciation on the bioaccessibility of zinc in spiked and smelter-affected soils. <i>Environmental Toxicology and Chemistry</i> , <b>2019</b> , 38, 448-459	3.8	5
170	Soil invertebrate avoidance behavior identifies petroleum hydrocarbon contaminated soils toxic to sensitive plant species. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 361, 338-347	12.8	13
169	Protecting vulnerable individuals in a population: is the avoidance response of juvenile soil invertebrates more sensitive than the adults response?. <i>Chemosphere</i> , <b>2019</b> , 220, 658-667	8.4	8
168	Who Is the Rock Miner and Who Is the Hunter? The Use of Heavy-Oxygen Labeled Phosphate (PO) to Differentiate between C and P Fluxes in a Benzene-Degrading Consortium. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 1773-1786	10.3	2
167	In vitro prediction of polycyclic aromatic hydrocarbon bioavailability of 14 different incidentally ingested soils in juvenile swine. <i>Science of the Total Environment</i> , <b>2018</b> , 618, 682-689	10.2	10
166	Checkerboard score-area relationships reveal spatial scales of plant community structure. <i>Oikos</i> , <b>2018</b> , 127, 415-426	4	16
165	Chemical speciation and fate of tripolyphosphate after application to a calcareous soil. <i>Geochemical Transactions</i> , <b>2018</b> , 19, 1	3	10
164	Extent and Mechanism of Interaction between Phosphate and Citrate in a Calcareous Soil. <i>Soil Science Society of America Journal</i> , <b>2018</b> , 82, 315-322	2.5	12
163	Petroleum hydrocarbon mixture toxicity and a trait-based approach to soil invertebrate species for site-specific risk assessments. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 2222-2234	3.8	13
162	Plant belowground diversity and species segregation by depth in a semi-arid grassland. <i>Ecoscience</i> , <b>2018</b> , 25, 1-7	1.1	11
161	Applying a Modular PET System to Investigate Bioremediation of Subsurface Contamination: A Proof-of-Principle Study. <i>Journal of Physics: Conference Series</i> , <b>2018</b> , 1120, 012077	0.3	2
160	Linking Herbicide Dissipation to Soil Ecological Risk along Transmission Rights-of-Way in the Yukon Territory, Canada. <i>Journal of Environmental Quality</i> , <b>2018</b> , 47, 1356-1364	3.4	4
159	Archaea and bacteria mediate the effects of native species root loss on fungi during plant invasion. <i>ISME Journal</i> , <b>2017</b> , 11, 1261-1275	11.9	32
158	Petroleum hydrocarbon remediation in frozen soil using a meat and bonemeal biochar plus fertilizer. <i>Chemosphere</i> , <b>2017</b> , 173, 330-339	8.4	28
157	Responses of a mountain peatland to increasing temperature: A microcosm study of greenhouse gas emissions and microbial community dynamics. <i>Soil Biology and Biochemistry</i> , <b>2017</b> , 110, 22-33	7.5	12

156	Salix arctica changes root distribution and nutrient uptake in response to subsurface nutrients in High Arctic deserts. <i>Ecology</i> , <b>2017</b> , 98, 2158-2169	4.6	4
155	Citrate Addition Increased Phosphorus Bioavailability and Enhanced Gasoline Bioremediation. <i>Journal of Environmental Quality</i> , <b>2017</b> , 46, 975-983	3.4	8
154	Application Method and Biochar Type Affect Petroleum Hydrocarbon Degradation in Northern Landfarms. <i>Journal of Environmental Quality</i> , <b>2017</b> , 46, 751-759	3.4	8
153	Assessing human metal accumulations in an urban superfund site. <i>Environmental Toxicology and Pharmacology</i> , <b>2017</b> , 54, 112-119	5.8	6
152	Assessment of exposures and potential risks to the US adult population from wear (attrition and abrasion) of gold and ceramic dental restorations. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2016</b> , 26, 70-7	6.7	2
151	Is received dose from ingested soil independent of soil PAH concentrations?-Animal model results. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 2261-9	3.8	3
150	Assessment of exposures and potential risks to the US adult population from the leaching of elements from gold and ceramic dental restorations. <i>Journal of Exposure Science and Environmental Epidemiology</i> , <b>2016</b> , 26, 309-14	6.7	2
149	Do biomarkers of exposure and effect correlate with internal exposure to PAHs in swine?. <i>Biomarkers</i> , <b>2016</b> , 21, 283-91	2.6	2
148	A high-throughput belowground plant diversity assay using next-generation sequencing of the trnL intron. <i>Plant and Soil</i> , <b>2016</b> , 404, 361-372	4.2	17
147	Legacy effects of soil moisture on microbial community structure and N <sub>2</sub> O emissions. <i>Soil Biology and Biochemistry</i> , <b>2016</b> , 95, 40-50	7.5	99
146	Predicting Polycyclic Aromatic Hydrocarbon Bioavailability to Mammals from Incidentally Ingested Soils Using Partitioning and Fugacity. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 1338-46	10.3	9
145	The mechanisms associated with the development of hypertension after exposure to lead, mercury species or their mixtures differs with the metal and the mixture ratio. <i>Toxicology</i> , <b>2016</b> , 339, 1-8	4.4	18
144	Microbial diversity at Mitchell Peninsula, Eastern Antarctica: a potential biodiversity hotspot. <i>Polar Biology</i> , <b>2016</b> , 39, 237-249	2	44
143	Microbes as Engines of Ecosystem Function: When Does Community Structure Enhance Predictions of Ecosystem Processes?. <i>Frontiers in Microbiology</i> , <b>2016</b> , 7, 214	5.7	321
142	Geological connectivity drives microbial community structure and connectivity in polar, terrestrial ecosystems. <i>Environmental Microbiology</i> , <b>2016</b> , 18, 1834-49	5.2	30
141	Total Phosphate Influences the Rate of Hydrocarbon Degradation but Phosphate Mineralogy Shapes Microbial Community Composition in Cold-Region Calcareous Soils. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 5197-206	10.3	26
140	Archaeal ammonia oxidizers respond to soil factors at smaller spatial scales than the overall archaeal community does in a high Arctic polar oasis. <i>Canadian Journal of Microbiology</i> , <b>2016</b> , 62, 485-91	3.2	5
139	Smooth brome changes gross soil nitrogen cycling processes during invasion of a rough fescue grassland. <i>Plant Ecology</i> , <b>2015</b> , 216, 235-246	1.7	29

138	The bioavailability of polycyclic aromatic hydrocarbons from different dose media after single and sub-chronic exposure in juvenile swine. <i>Science of the Total Environment</i> , <b>2015</b> , 506-507, 308-14	10.2	6
137	Solid-liquid separation method governs the in vitro bioaccessibility of metals in contaminated soil-like test materials. <i>Chemosphere</i> , <b>2015</b> , 134, 544-9	8.4	8
136	Combined exposure to lead, inorganic mercury and methylmercury shows deviation from additivity for cardiovascular toxicity in rats. <i>Journal of Applied Toxicology</i> , <b>2015</b> , 35, 918-26	4.1	19
135	Cardiovascular responses to lead are biphasic, while methylmercury, but not inorganic mercury, monotonically increases blood pressure in rats. <i>Toxicology</i> , <b>2015</b> , 328, 1-11	4.4	20
134	The potentiation of zinc toxicity by soil moisture in a boreal forest ecosystem. <i>Environmental Toxicology and Chemistry</i> , <b>2015</b> , 34, 600-7	3.8	8
133	Spiking regional vis-NIR calibration models with local samples to predict soil organic carbon in two High Arctic polar deserts using a vis-NIR probe. <i>Canadian Journal of Soil Science</i> , <b>2015</b> , 95, 237-249	1.4	14
132	Does Diapirism Influence Greenhouse Gas Production on Patterned Ground in the High Arctic?. <i>Soil Science Society of America Journal</i> , <b>2015</b> , 79, 889-895	2.5	3
131	Smooth brome invasion increases rare soil bacterial species prevalence, bacterial species richness and evenness. <i>Journal of Ecology</i> , <b>2015</b> , 103, 386-396	6	45
130	Validating the scalability of soft X-ray spectromicroscopy for quantitative soil ecology and biogeochemistry research. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 1035-42	10.3	13
129	Topography as a key factor driving atmospheric nitrogen exchanges in arctic terrestrial ecosystems. <i>Soil Biology and Biochemistry</i> , <b>2014</b> , 70, 96-112	7.5	57
128	Spatially explicit structural equation modeling. <i>Ecology</i> , <b>2014</b> , 95, 2434-2442	4.6	29
127	Greenhouse gas production and consumption in High Arctic deserts. <i>Soil Biology and Biochemistry</i> , <b>2014</b> , 68, 158-165	7.5	24
126	Soil fertility is associated with fungal and bacterial richness, whereas pH is associated with community composition in polar soil microbial communities. <i>Soil Biology and Biochemistry</i> , <b>2014</b> , 78, 10-20	7.5	159
125	Quantifying the effects of soil temperature, moisture and sterilization on elemental mercury formation in boreal soils. <i>Environmental Pollution</i> , <b>2014</b> , 193, 138-146	9.3	37
124	Bacterial targets as potential indicators of diesel fuel toxicity in subantarctic soils. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 4021-33	4.8	52
123	The ecological controls on the prevalence of candidate division TM7 in polar regions. <i>Frontiers in Microbiology</i> , <b>2014</b> , 5, 345	5.7	26
122	Identification of regulatory genes to reduce N <sub>2</sub> O production. <i>Canadian Journal of Plant Science</i> , <b>2014</b> , 94, 1033-1036	1	4
121	Deriving site-specific soil clean-up values for metals and metalloids: rationale for including protection of soil microbial processes. <i>Integrated Environmental Assessment and Management</i> , <b>2014</b> , 10, 388-400	2.5	16

120	Assessing the Bioavailability and Risk from Metal-Contaminated Soils and Dusts. <i>Human and Ecological Risk Assessment (HERA)</i> , <b>2014</b> , 20, 272-286	4.9	17
119	How is nitrogen fixation in the high arctic linked to greenhouse gas emissions?. <i>Plant and Soil</i> , <b>2013</b> , 362, 215-229	4.2	22
118	Microbial community responses to anthropogenically induced environmental change: towards a systems approach. <i>Ecology Letters</i> , <b>2013</b> , 16 Suppl 1, 128-39	10	169
117	The seasonal pattern of soil microbial community structure in mesic low arctic tundra. <i>Soil Biology and Biochemistry</i> , <b>2013</b> , 65, 338-347	7.5	93
116	An investigation of the effect of gastrointestinal microbial activity on oral arsenic bioavailability. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2013</b> , 48, 612-9	2.3	11
115	Variability of bioaccessibility results using seventeen different methods on a standard reference material, NIST 2710. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2013</b> , 48, 641-55	2.3	45
114	N <sub>2</sub> O flux from plant-soil systems in polar deserts switch between sources and sinks under different light conditions. <i>Soil Biology and Biochemistry</i> , <b>2012</b> , 48, 69-77	7.5	26
113	Greenhouse gas soil production and surface fluxes at a high arctic polar oasis. <i>Soil Biology and Biochemistry</i> , <b>2012</b> , 52, 1-12	7.5	34
112	Spatially tripartite interactions of denitrifiers in arctic ecosystems: activities, functional groups and soil resources. <i>Environmental Microbiology</i> , <b>2012</b> , 14, 2601-13	5.2	19
111	Validating potential toxicity assays to assess petroleum hydrocarbon toxicity in polar soil. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 402-7	3.8	10
110	Changes in liquid water alter nutrient bioavailability and gas diffusion in frozen antarctic soils contaminated with petroleum hydrocarbons. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 395-401	3.8	6
109	Physical, chemical and microbial soil properties of frost boils at Browning Peninsula, Antarctica. <i>Polar Biology</i> , <b>2012</b> , 35, 463-468	2	7
108	Effects of observed and experimental climate change on terrestrial ecosystems in northern Canada: results from the Canadian IPY program. <i>Climatic Change</i> , <b>2012</b> , 115, 207-234	4.5	31
107	Comparison of human exposure pathways in an urban brownfield: reduced risk from paving roads. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 2423-30	3.8	11
106	Evaluation of a new battery of toxicity tests for boreal forest soils: assessment of the impact of hydrocarbons and salts. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 766-77	3.8	26
105	Accumulation and toxicity of metals (copper, zinc, cadmium, and lead) and organic compounds (geraniol and benzo[a]pyrene) in the oribatid mite <i>Oppia nitens</i> . <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 1639-48	3.8	21
104	Factors driving potential ammonia oxidation in Canadian arctic ecosystems: does spatial scale matter?. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 346-53	4.8	31
103	Nitrous Oxide Emissions from Ephemeral Wetland Soils are Correlated with Microbial Community Composition. <i>Frontiers in Microbiology</i> , <b>2011</b> , 2, 110	5.7	13

102	A High Arctic soil ecosystem resists long-term environmental manipulations. <i>Global Change Biology</i> , <b>2011</b> , 17, 3187-3194	11.4	112
101	Small-scale spatial patterns in N <sub>2</sub> -fixation and nutrient availability in an arctic hummock-blow ecosystem. <i>Soil Biology and Biochemistry</i> , <b>2011</b> , 43, 133-140	7.5	36
100	Effects of plant species richness and evenness on soil microbial community diversity and function. <i>Plant and Soil</i> , <b>2011</b> , 338, 483-495	4.2	117
99	Bryophyte-cyanobacterial associations as a key factor in N <sub>2</sub> -fixation across the Canadian Arctic. <i>Plant and Soil</i> , <b>2011</b> , 344, 335-346	4.2	49
98	Can avoidance behavior of the mite <i>Oppia nitens</i> be used as a rapid toxicity test for soils contaminated with metals or organic chemicals?. <i>Environmental Toxicology and Chemistry</i> , <b>2011</b> , 30, 2594-601	3.8	18
97	Human exposure assessment: a case study of 8 PAH contaminated soils using in vitro digestors and the juvenile swine model. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4586-93	10.3	64
96	Bioaccessibility of metal cations in soil is linearly related to its water exchange rate constant. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 4139-44	10.3	24
95	Measurement of carbon dioxide, methane, nitrous oxide, and water potential in soil ecosystems. <i>Methods in Enzymology</i> , <b>2011</b> , 496, 115-37	1.7	5
94	Evidence of High Microbial Abundance and Spatial Dependency in Three Arctic Soil Ecosystems. <i>Soil Science Society of America Journal</i> , <b>2011</b> , 75, 2227-2232	2.5	17
93	Soil Spatial Dependence in Three Arctic Ecosystems. <i>Soil Science Society of America Journal</i> , <b>2011</b> , 75, 591-594	2.5	13
92	The effect of residence time and fluid volume to soil mass (LS) ratio on in vitro arsenic bioaccessibility from poorly crystalline scorodite. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , <b>2010</b> , 45, 732-9	2.3	16
91	Response of ammonia oxidizing archaea and bacteria to changing water filled pore space. <i>Soil Biology and Biochemistry</i> , <b>2010</b> , 42, 1888-1891	7.5	109
90	Polycyclic aromatic hydrocarbons are enriched but bioaccessibility reduced in brownfield soils adhered to human hands. <i>Chemosphere</i> , <b>2010</b> , 80, 1101-8	8.4	38
89	Oribatid mites in soil toxicity testing-the use of <i>Oppia nitens</i> (C.L. Koch) as a new test species. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 971-9	3.8	32
88	Methyl mercury production and loss in Arctic soil. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 1691-700	10.2	19
87	Bioaccessibility of mercury from traditional northern country foods measured using an in vitro gastrointestinal model is independent of mercury concentration. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 6003-8	10.2	54
86	Nitrifier dominance of Arctic soil nitrous oxide emissions arises due to fungal competition with denitrifiers for nitrate. <i>Soil Biology and Biochemistry</i> , <b>2009</b> , 41, 1104-1110	7.5	51
85	Development of a simulated earthworm gut for determining bioaccessible arsenic, copper, and zinc from soil. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 1439-46	3.8	14



84	Influence of liquid water and soil temperature on petroleum hydrocarbon toxicity in Antarctic soil. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 1409-15	3.8	18
83	Nutritional status and gastrointestinal microbes affect arsenic bioaccessibility from soils and mine tailings in the simulator of the human intestinal microbial ecosystem. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 8652-7	10.3	12
82	Adhesion and enrichment of metals on human hands from contaminated soil at an Arctic urban brownfield. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 6385-90	10.3	85
81	Effects of Energetic Materials on Soil Organisms <b>2009</b> , 35-76		
80	Relationship between nitrifier and denitrifier community composition and abundance in predicting nitrous oxide emissions from ephemeral wetland soils. <i>Soil Biology and Biochemistry</i> , <b>2008</b> , 40, 1114-1123	7.5	92
79	Hydrocarbon contamination increases the liquid water content of frozen Antarctic soils. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 8324-9	10.3	13
78	Soil formate regulates the fungal nitrous oxide emission pathway. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 6690-6	4.8	32
77	Increased sensitivity and variability of phytotoxicity responses in Arctic soils to a reference toxicant, boric acid. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 720-6	3.8	4
76	Biogeochemical toxicity and phytotoxicity of nitrogenous compounds in a variety of arctic soils. <i>Environmental Toxicology and Chemistry</i> , <b>2008</b> , 27, 1809	3.8	1
75	Gastrointestinal microbes increase arsenic bioaccessibility of ingested mine tailings using the simulator of the human intestinal microbial ecosystem. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 5542-7	10.3	77
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4	Evaluation of prairie grass species as bioindicators of halogenated aromatics in soil <b>1997</b> , 16, 521		1
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