Michael J Mclaughlin

List of Publications by Year in Descending Order

297 papers	14,809 citations	60 h-index	110 g-index
308 ext. papers	16,553 ext. citations	5.3 avg, IF	6.68 L-index

#	Paper	IF	Citations
297	Extreme biogeochemical effects following simulation of recurrent drought in acid sulfate soils. *Applied Geochemistry*, **2022**, 136, 105146	3.5	
296	Increasing ionic strength and valency of cations enhance sorption through hydrophobic interactions of PFAS with soil surfaces.. *Science of the Total Environment*, **2022**, 817, 152975	10.2	3
295	Layered Double Hydroxides as Slow-Release Fertilizer Compounds for the Micronutrient Molybdenum. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 14501-14511	5.7	0
294	Development of an organomineral fertiliser formulation that improves tomato growth and sustains arbuscular mycorrhizal colonisation. *Science of the Total Environment*, **2021**, 815, 151977	10.2	0
293	Using Se-Labelled Foliar Fertilisers to Determine How Se Transfers Within Wheat Over Time. *Frontiers in Nutrition*, **2021**, 8, 732409	6.2	
292	Long-term fate of fertilizer sulfate- and elemental S in co-granulated fertilizers. *Nutrient Cycling in Agroecosystems*, **2021**, 120, 31-48	3.3	0
291	Durability of sorption of per- and polyfluorinated alkyl substances in soils immobilised using common adsorbents: 1. Effects of perturbations in pH. *Science of the Total Environment*, **2021**, 766, 144857	10.2	4
290	Durability of sorption of per- and polyfluorinated alkyl substances in soils immobilized using common adsorbents: 2. Effects of repeated leaching, temperature extremes, ionic strength and competing ions. *Science of the Total Environment*, **2021**, 766, 144718	10.2	5
289	Zinc uptake and partitioning in two potato cultivars: implications for biofortification. *Plant and Soil*, **2021**, 463, 601	4.2	3
288	Screening fertilizers for their phosphorus runoff risk using laboratory methods. *Journal of Environmental Quality*, **2021**, 50, 955-966	3.4	
287	Application method influences the oxidation rate of biologically and chemically produced elemental sulfur fertilizers. *Soil Science Society of America Journal*, **2021**, 85, 746-759	2.5	0
286	Effect of soil properties on time-dependent fixation (ageing) of selenate. *Geoderma*, **2021**, 383, 114741	6.7	3
285	An investigation into the long-term binding and uptake of PFOS, PFOA and PFHxS in soil - plant systems. *Journal of Hazardous Materials*, **2021**, 404, 124065	12.8	11
284	Efficiency of soil-applied 67Zn-enriched fertiliser across three consecutive crops. *Pedosphere*, **2021**, 31, 531-537	5	4
283	Comparing the Leaching Behavior of Per- and Polyfluoroalkyl Substances from Contaminated Soils Using Static and Column Leaching Tests.. *Environmental Science & Technology*, **2021**,	10.3	4
282	Composition and dissolution kinetics of jarosite-rich segregations extracted from an acid sulfate soil with sulfuric material. *Chemical Geology*, **2020**, 543, 119606	4.2	9
281	Engineered Phosphate Fertilizers with Dual-Release Properties. *Industrial & Engineering Chemistry Research*, **2020**, 59, 5512-5524	3.9	7

280	Comparison and modelling of extraction methods to assess agronomic effectiveness of fertilizer zinc. *Journal of Plant Nutrition and Soil Science*, **2020**, 183, 248-259	2.3	1
279	Soil phosphorus pools with addition of fertiliser phosphorus in a long-term grazing experiment. *Nutrient Cycling in Agroecosystems*, **2020**, 116, 151-164	3.3	3
278	Addressing challenges in providing a reliable ecotoxicology data for graphene-oxide (GO) using an algae (Raphidocelis subcapitata), and the trophic transfer consequence of GO-algae aggregates. *Chemosphere*, **2020**, 245, 125640	8.4	2
277	Sorption behaviour of per- and polyfluoroalkyl substances (PFASs) in tropical soils. *Environmental Pollution*, **2020**, 258, 113726	9.3	11
276	Potential of zinc-loaded graphene oxide and arbuscular mycorrhizal fungi to improve the growth and zinc nutrition of Hordeum vulgare and Medicago truncatula. *Applied Soil Ecology*, **2020**, 150, 103464	5	7
275	The chemical nature of soil organic phosphorus: A critical review and global compilation of quantitative data. *Advances in Agronomy*, **2020**, 160, 51-124	7.7	9
274	Assessment of foliar-applied phosphorus fertiliser formulations to enhance phosphorus nutrition and grain production in wheat. *Crop and Pasture Science*, **2020**, 71, 795	2.2	4
273	Influences of Chemical Properties, Soil Properties, and Solution pH on Soil-Water Partitioning Coefficients of Per- and Polyfluoroalkyl Substances (PFASs). *Environmental Science & Technology*, **2020**, 54, 15883-15892	10.3	56
272	Sulfur Uptake from Fertilizer Fortified with Sulfate and Elemental S in Three Contrasting Climatic Zones. *Agronomy*, **2020**, 10, 1035	3.6	3
271	Revealing the dependence of graphene concentration and physicochemical properties on the crushing strength of co-granulated fertilizers by wet granulation process. *Powder Technology*, **2020**, 360, 588-597	5.2	5
270	Mineralisation and release of 14C-graphene oxide (GO) in soils. *Chemosphere*, **2020**, 238, 124558	8.4	7
269	Sorption of PFOA onto different laboratory materials: Filter membranes and centrifuge tubes. *Chemosphere*, **2019**, 222, 671-678	8.4	49
268	Predicting partitioning of radiolabelled C-PFOA in a range of soils using diffuse reflectance infrared spectroscopy. *Science of the Total Environment*, **2019**, 686, 505-513	10.2	17
267	Optimisation of phosphate loading on graphene oxide–Fe(III) composites: possibilities for engineering slow release fertilisers. *New Journal of Chemistry*, **2019**, 43, 8580-8589	3.6	4
266	The mycorrhizal pathway of zinc uptake contributes to zinc accumulation in barley and wheat grain. *BMC Plant Biology*, **2019**, 19, 133	5.3	47
265	The role of surface charge and pH changes in tropical soils on sorption behaviour of per- and polyfluoroalkyl substances (PFASs). *Science of the Total Environment*, **2019**, 673, 197-206	10.2	25
264	The use of mid-infrared diffuse reflectance spectroscopy for acid sulfate soil analysis. *Science of the Total Environment*, **2019**, 646, 1489-1502	10.2	7
263	A column perfusion test to assess the kinetics of nutrient release by soluble, sparingly soluble and coated granular fertilizers. *Journal of Plant Nutrition and Soil Science*, **2019**, 182, 763-771	2.3	7

262	Effect of soil properties and contact time on selenium transfer to wheat **2019**, 49-50		
261	Direct Exports of Phosphorus from Fertilizers Applied to Grazed Pastures. *Journal of Environmental Quality*, **2019**, 48, 1380-1396	3.4	11
260	The Timing of Application and Inclusion of a Surfactant Are Important for Absorption and Translocation of Foliar Phosphoric Acid by Wheat Leaves. *Frontiers in Plant Science*, **2019**, 10, 1532	6.2	11
259	Improving the efficacy of selenium fertilizers for wheat biofortification. *Scientific Reports*, **2019**, 9, 19520	4.9	27
258	Scientific integrity issues in Environmental Toxicology and Chemistry: Improving research reproducibility, credibility, and transparency. *Integrated Environmental Assessment and Management*, **2019**, 15, 320-344	2.5	19
257	Graphene oxide-Fe(III) composite containing phosphate – A novel slow release fertilizer for improved agriculture management. *Journal of Cleaner Production*, **2018**, 185, 97-104	10.3	39
256	Aluminum-Activated Malate Transporters Can Facilitate GABA Transport. *Plant Cell*, **2018**, 30, 1147-1164	11.6	45
255	Nanomaterials in the environment: Behavior, fate, bioavailability, and effects-An updated review. *Environmental Toxicology and Chemistry*, **2018**, 37, 2029-2063	3.8	291
254	GEMAS: CNS concentrations and C/N ratios in European agricultural soil. *Science of the Total Environment*, **2018**, 627, 975-984	10.2	15
253	Model-based rationalization of sulphur mineralization in soils using 35S isotope dilution. *Soil Biology and Biochemistry*, **2018**, 120, 1-11	7.5	7
252	Cogranulation of Low Rates of Graphene and Graphene Oxide with Macronutrient Fertilizers Remarkably Improves Their Physical Properties. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 1299-1309	8.3	9
251	Ecotoxicology of manufactured graphene oxide nanomaterials and derivation of preliminary guideline values for freshwater environments. *Environmental Toxicology and Chemistry*, **2018**, 37, 1340-1348	3.8	15
250	Genetic mapping of quantitative trait loci for tuber-cadmium and zinc concentration in potato reveals associations with maturity and both overlapping and independent components of genetic control. *Theoretical and Applied Genetics*, **2018**, 131, 929-945	6	21
249	A bacterium-based contact assay for evaluating the quality of solid samples-Results from an international ring-test. *Journal of Hazardous Materials*, **2018**, 352, 139-147	12.8	3
248	Assessment of cyanide contamination in soils with a handheld mid-infrared spectrometer. *Talanta*, **2018**, 178, 400-409	6.2	14
247	Uptake of elemental or sulfate-S from fall- or spring-applied co-granulated fertilizer by corn – A stable isotope and modeling study. *Field Crops Research*, **2018**, 221, 322-332	5.5	15
246	Roles of shoots and roots in cadmium uptake and distribution in tubers of potato (Solanum tuberosum L). *Plant and Soil*, **2018**, 430, 139-149	4.2	6
245	Limited Dissolved Phosphorus Runoff Losses from Layered Double Hydroxide and Struvite Fertilizers in a Rainfall Simulation Study. *Journal of Environmental Quality*, **2018**, 47, 371-377	3.4	22

244	Mixed-Mode Remediation of Cadmium and Arsenate Ions Using Graphene-Based Materials. *Clean - Soil, Air, Water*, **2018**, 46, 1800073	1.6	3
243	Influence of soil phosphorus status, texture, pH and metal content on the efficacy of amendments to pig slurry in reducing phosphorus losses. *Soil Use and Management*, **2018**, 34, 1-8	3.1	8
242	Bioaccumulation, uptake, and toxicity of carbamazepine in soil-plant systems. *Environmental Toxicology and Chemistry*, **2018**, 37, 1122-1130	3.8	14
241	Soil ecological criteria for nickel as a function of soil properties. *Environmental Science and Pollution Research*, **2018**, 25, 2137-2146	5.1	11
240	Sorptive remediation of perfluorooctanoic acid (PFOA) using mixed mineral and graphene/carbon-based materials. *Environmental Chemistry*, **2018**, 15, 472	3.2	21
239	Rapid and Low-Cost Method for Evaluation of Nutrient Release from Controlled-Release Fertilizers Using Electrical Conductivity. *Journal of Polymers and the Environment*, **2018**, 26, 4388-4395	4.5	7
238	Slow and Fast-Release Boron Sources in Potash Fertilizers: Spatial Variability, Nutrient Dissolution and Plant Uptake. *Soil Science Society of America Journal*, **2018**, 82, 1437-1448	2.5	10
237	Colloidal nitrogen is an important and highly-mobile form of nitrogen discharging into the Great Barrier Reef lagoon. *Scientific Reports*, **2018**, 8, 12854	4.9	8
236	Effects of pH and ionic strength on elemental sulphur oxidation in soil. *Biology and Fertility of Soils*, **2017**, 53, 247-256	6.1	9
235	Fate of radiolabeled C fullerenes in aged soils. *Environmental Pollution*, **2017**, 221, 293-300	9.3	8
234	Sulfur and Zinc Availability from Co-granulated Zn-Enriched Elemental Sulfur Fertilizers. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 1108-1115	5.7	13
233	Direct recovery of 33P-labelled fertiliser phosphorus in subterranean clover (Trifolium subterraneum) pastures under field conditions The role of agronomic management. *Agriculture, Ecosystems and Environment*, **2017**, 246, 144-156	5.7	9
232	Abundance and diversity of sulphur-oxidising bacteria and their role in oxidising elemental sulphur in cropping soils. *Biology and Fertility of Soils*, **2017**, 53, 159-169	6.1	19
231	Validation of site-specific soil Ni toxicity thresholds with independent ecotoxicity and biogeochemistry data for elevated soil Ni. *Environmental Pollution*, **2017**, 231, 165-172	9.3	9
230	Cadmium uptake and partitioning in potato (Solanum tuberosum L.) cultivars with different tuber-Cd concentration. *Environmental Science and Pollution Research*, **2017**, 24, 27384-27391	5.1	15
229	Comparison of soil analytical methods for estimating wheat potassium fertilizer requirements in response to contrasting plant K demand in the glasshouse. *Scientific Reports*, **2017**, 7, 11391	4.9	5
228	Agronomic Effectiveness of Granulated and Powdered P-Exchanged Mg-Al LDH Relative to Struvite and MAP. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 6736-6744	5.7	36
227	Graphene Oxide: A New Carrier for Slow Release of Plant Micronutrients. *ACS Applied Materials & Interfaces*, **2017**, 9, 43325-43335	9.5	66

226	Evaluation of the performance of portable visible-infrared instruments for the prediction of soil properties. *Biosystems Engineering*, **2017**, 161, 24-36	4.8	39
225	Dissolution rate and agronomic effectiveness of struvite fertilizers effect of soil pH, granulation and base excess. *Plant and Soil*, **2017**, 410, 139-152	4.2	83
224	The chemical nature of organic phosphorus that accumulates in fertilized soils of a temperate pasture as determined by solution 31P NMR spectroscopy. *Journal of Plant Nutrition and Soil Science*, **2017**, 180, 27-38	2.3	16
223	Availability of fertiliser sulphate and elemental sulphur to canola in two consecutive crops. *Plant and Soil*, **2016**, 398, 313-325	4.2	20
222	Uptake of phosphorus from surfactant solutions by wheat leaves: spreading kinetics, wetted area, and drying time. *Soft Matter*, **2016**, 12, 209-18	3.6	15
221	Moisture effects on diffuse reflection infrared spectra of contrasting minerals and soils: A mechanistic interpretation. *Vibrational Spectroscopy*, **2016**, 86, 244-252	2.1	17
220	Oxidation of Elemental Sulfur in Granular Fertilizers Depends on the Soil-Exposed Surface Area. *Soil Science Society of America Journal*, **2016**, 80, 294-305	2.5	24
219	Symbiosis between nitrogen-fixing bacteria and Medicago truncatula is not significantly affected by silver and silver sulfide nanomaterials. *Environmental Pollution*, **2016**, 214, 731-736	9.3	22
218	Fullerol as a Potential Pathway for Mineralization of Fullerene Nanoparticles in Biosolid-Amended Soils. *Environmental Science and Technology Letters*, **2016**, 3, 7-12	11	15
217	Quantifying total phosphorus accumulation below-ground by canola and lupin plants using 33P-labelling. *Plant and Soil*, **2016**, 401, 39-50	4.2	1
216	The fate of fertiliser P in soil under pasture and uptake by subterraneum clover a field study using 33P-labelled single superphosphate. *Plant and Soil*, **2016**, 401, 23-38	4.2	17
215	Quantifying the Sensitivity of Soil Microbial Communities to Silver Sulfide Nanoparticles Using Metagenome Sequencing. *PLoS ONE*, **2016**, 11, e0161979	3.7	35
214	Low Effective Surface Area Explains Slow Oxidation of Co-Granulated Elemental Sulfur. *Soil Science Society of America Journal*, **2016**, 80, 911-918	2.5	2
213	Gold Nanomaterial Uptake from Soil Is Not Increased by Arbuscular Mycorrhizal Colonization of Solanum Lycopersicum (Tomato). *Nanomaterials*, **2016**, 6,	5.4	6
212	Use of 33P to trace in situ the fate of canola below-ground phosphorus, including wheat uptake in two contrasting soils. *Crop and Pasture Science*, **2016**, 67, 726	2.2	4
211	Effects of soil composition and preparation on the prediction of particle size distribution using mid-infrared spectroscopy and partial least-squares regression. *Soil Research*, **2016**, 54, 889	1.8	11
210	Effect of Cogranulation on Oxidation of Elemental Sulfur: Theoretical Model and Experimental Validation. *Soil Science Society of America Journal*, **2016**, 80, 1244-1253	2.5	6
209	Derivation of ecological standards for risk assessment of molybdate in soil. *Environmental Chemistry*, **2016**, 13, 168	3.2	11

208	Agronomic Effectiveness of Zinc Sources as Micronutrient Fertilizer. *Advances in Agronomy*, **2016**, 139, 215-267	7.7	49
207	Rapid prediction of total petroleum hydrocarbons in soil using a hand-held mid-infrared field instrument. *Talanta*, **2016**, 160, 410-416	6.2	18
206	Aseptic hydroponics to assess rhamnolipid-Cd and rhamnolipid-Zn bioavailability for sunflower (Helianthus annuus): a phytoextraction mechanism study. *Environmental Science and Pollution Research*, **2016**, 23, 21327-21335	5.1	3
205	GEMAS: Indium in agricultural and grazing land soil of Europe Its source and geochemical distribution patterns. *Journal of Geochemical Exploration*, **2015**, 154, 61-80	3.8	21
204	Natural colloidal P and its contribution to plant P uptake. *Environmental Science & Technology*, **2015**, 49, 3427-34	10.3	34
203	Effects of silver sulfide nanomaterials on mycorrhizal colonization of tomato plants and soil microbial communities in biosolid-amended soil. *Environmental Pollution*, **2015**, 206, 256-63	9.3	66
202	Phosphorus and nitrogen fertiliser use efficiency of wheat seedlings grown in soils from contrasting tillage systems.. *Plant and Soil*, **2015**, 396, 297-309	4.2	12
201	How important is the mycorrhizal pathway for plant Zn uptake?. *Plant and Soil*, **2015**, 390, 157-166	4.2	48
200	Boron phosphates (BPO4) as a seedling-safe boron fertilizer source. *Plant and Soil*, **2015**, 391, 153-160	4.2	8
199	X-ray fluorescence microscopy of zinc localization in wheat grains biofortified through foliar zinc applications at different growth stages under field conditions. *Plant and Soil*, **2015**, 392, 357-370	4.2	39
198	Spectral sensitivity of solution 31P NMR spectroscopy is improved by narrowing the soil to solution ratio to 1:4 for pasture soils of low organic P content. *Geoderma*, **2015**, 257-258, 48-57	6.7	11
197	Changes in soil bacterial communities and diversity in response to long-term silver exposure. *FEMS Microbiology Ecology*, **2015**, 91,	4.3	47
196	Complex Forms of Soil Organic Phosphorus-A Major Component of Soil Phosphorus. *Environmental Science & Technology*, **2015**, 49, 13238-45	10.3	76
195	Bioavailability of silver and silver sulfide nanoparticles to lettuce (Lactuca sativa): Effect of agricultural amendments on plant uptake. *Journal of Hazardous Materials*, **2015**, 300, 788-795	12.8	78
194	Geochemical fingerprinting and source discrimination of agricultural soils at continental scale. *Chemical Geology*, **2015**, 396, 1-15	4.2	31
193	GEMAS: prediction of solid-solution partitioning coefficients (Kd) for cationic metals in soils using mid-infrared diffuse reflectance spectroscopy. *Environmental Toxicology and Chemistry*, **2015**, 34, 224-34	3.8	7
192	Diffusion and solubility control of fertilizer-applied zinc: chemical assessment and visualization. *Plant and Soil*, **2015**, 386, 195-204	4.2	11
191	Reactions of Phosphate Fertilizers and By-Products in Soils. *Agronomy*, **2015**, 181-252	0.8	17

190	Responses of Canola to the Application of Slow-Release Boron Fertilizers and Their Residual Effect. *Soil Science Society of America Journal*, **2015**, 79, 97-103	2.5	9
189	Elemental Sulfur Oxidation in Australian Cropping Soils. *Soil Science Society of America Journal*, **2015**, 79, 89-96	2.5	31
188	Use of handheld mid-infrared spectroscopy and partial least-squares regression for the prediction of the phosphorus buffering index in Australian soils. *Soil Research*, **2015**, 53, 67	1.8	17
187	Agronomic Effectiveness of Granular and Fluid Phosphorus Fertilizers in Andisols and Oxisols. *Soil Science Society of America Journal*, **2015**, 79, 577-584	2.5	10
186	Influence of soil properties and soil leaching on the toxicity of ionic silver to plants. *Environmental Toxicology and Chemistry*, **2015**, 34, 2503-12	3.8	17
185	The Soil and its Chemistry- Critical Futures. *IOP Conference Series: Earth and Environmental Science*, **2015**, 25, 012007	0.3	
184	An assessment of various measures of soil phosphorus and the net accumulation of phosphorus in fertilized soils under pasture. *Journal of Plant Nutrition and Soil Science*, **2015**, 178, 543-554	2.3	29
183	GEMAS: prediction of solid-solution phase partitioning coefficients (Kd) for oxoanions and boric acid in soils using mid-infrared diffuse reflectance spectroscopy. *Environmental Toxicology and Chemistry*, **2015**, 34, 235-46	3.8	6
182	Co-treatment with the non-steroidal anti-androgen drug, flutamide and the natural estrogen, 17β-estradiol does not lead to additive reproductive impairment in juvenile Murray rainbowfish (Melanotaenia fluviatilis). *Journal of Applied Toxicology*, **2015**, 35, 1241-53	4.1	5
181	Fate of Zinc Oxide Nanoparticles Coated onto Macronutrient Fertilizers in an Alkaline Calcareous Soil. *PLoS ONE*, **2015**, 10, e0126275	3.7	51
180	Efficacy of Hydroxyapatite Nanoparticles as Phosphorus Fertilizer in Andisols and Oxisols. *Soil Science Society of America Journal*, **2015**, 79, 551-558	2.5	79
179	Slow-release boron fertilisers: co-granulation of boron sources with mono-ammonium phosphate (MAP). *Soil Research*, **2015**, 53, 505	1.8	8
178	Complexation of silver and dissolved organic matter in soil water extracts. *Environmental Pollution*, **2015**, 199, 174-84	9.3	18
177	GEMAS: Cobalt, Cr, Cu and Ni distribution in agricultural and grazing land soil of Europe. *Journal of Geochemical Exploration*, **2015**, 154, 81-93	3.8	60
176	Long-term exposures to di-n-butyl phthalate inhibit body growth and impair gonad development in juvenile Murray rainbowfish (Melanotaenia fluviatilis). *Journal of Applied Toxicology*, **2015**, 35, 806-16	4.1	9
175	Derivation of Soil Ecological Criteria for Copper in Chinese Soils. *PLoS ONE*, **2015**, 10, e0133941	3.7	9
174	Geogenic and agricultural controls on the geochemical composition of European agricultural soils. *Journal of Soils and Sediments*, **2014**, 14, 121-137	3.4	28
173	Management of crop residues affects the transfer of phosphorus to plant and soil pools: Results from a dual-labelling experiment. *Soil Biology and Biochemistry*, **2014**, 71, 31-39	7.5	35

172	Use of Bioavailability as a term in ecotoxicology. *Integrated Environmental Assessment and Management*, **2014**, 10, 138-140	2.5	7
171	Wheat leaf properties affecting the absorption and subsequent translocation of foliar-applied phosphoric acid fertiliser. *Plant and Soil*, **2014**, 384, 37-51	4.2	18
170	Copper isotope fractionation during equilibration with natural and synthetic ligands. *Environmental Science & Technology*, **2014**, 48, 8620-6	10.3	54
169	Remobilisation of silver and silver sulphide nanoparticles in soils. *Environmental Pollution*, **2014**, 193, 102-110	9.3	35
168	Application of the diffusive gradients in thin films technique for available potassium measurement in agricultural soils: effects of competing cations on potassium uptake by the resin gel. *Analytica Chimica Acta*, **2014**, 842, 27-34	6.6	9
167	GEMAS: Spatial distribution of the pH of European agricultural and grazing land soil. *Applied Geochemistry*, **2014**, 48, 207-216	3.5	44
166	In situ 33P-labelling of canola and lupin to estimate total phosphorus accumulation in the root system. *Plant and Soil*, **2014**, 382, 291-299	4.2	7
165	Di-n-butyl phthalate causes estrogenic effects in adult male Murray rainbowfish (Melanotaenia fluviatilis). *Aquatic Toxicology*, **2014**, 149, 103-15	5.1	32
164	Effect of wheat phosphorus status on leaf surface properties and permeability to foliar-applied phosphorus. *Plant and Soil*, **2014**, 384, 7-20	4.2	43
163	Fate and lability of silver in soils: effect of ageing. *Environmental Pollution*, **2014**, 191, 151-7	9.3	53
162	Fluid Fertilizers Improve Phosphorus Diffusion but not Lability in Andisols and Oxisols. *Soil Science Society of America Journal*, **2014**, 78, 214-224	2.5	20
161	Phosphorus Diffusion from Fertilizer: Visualization, Chemical Measurements, and Modeling. *Soil Science Society of America Journal*, **2014**, 78, 832-842	2.5	28
160	A method to determine silver partitioning and lability in soils. *Environmental Chemistry*, **2014**, 11, 63	3.2	8
159	Effects of short-term exposure to the model anti-androgen, flutamide on reproductive function based endpoints in female Murray rainbowfish (Melanotaenia fluviatilis). *Ecotoxicology and Environmental Safety*, **2014**, 109, 143-51	7	9
158	The effect of soil properties on the toxicity of silver to the soil nitrification process. *Environmental Toxicology and Chemistry*, **2014**, 33, 1170-8	3.8	21
157	Formulation, synthesis and characterization of boron phosphate (BPO4) compounds as raw materials to develop slow-release boron fertilizers. *Journal of Plant Nutrition and Soil Science*, **2014**, 177, 860-868	2.3	16
156	Effects of the commercial antiandrogen flutamide on the biomarkers of reproduction in male Murray rainbowfish (Melanotaenia fluviatilis). *Environmental Toxicology and Chemistry*, **2014**, 33, 1098-107	3.8	22
155	Assessing crop residue phosphorus speciation using chemical fractionation and solution 31P nuclear magnetic resonance spectroscopy. *Talanta*, **2014**, 126, 122-9	6.2	22

154	Geochemical evidence of aeolian deposits in European soils. *Boreas*, **2014**, 43, 175-192	2.4	34
153	The Performance of Visible, Near-, and Mid-Infrared Reflectance Spectroscopy for Prediction of Soil Physical, Chemical, and Biological Properties. *Applied Spectroscopy Reviews*, **2014**, 49, 139-186	4.5	399
152	Phosphorus speciation in mature wheat and canola plants as affected by phosphorus supply. *Plant and Soil*, **2014**, 378, 125-137	4.2	37
151	Efficacy of zinc oxides as fertilisers. *Plant and Soil*, **2014**, 374, 843-855	4.2	41
150	Fate and risks of nanomaterials in aquatic and terrestrial environments. *Accounts of Chemical Research*, **2013**, 46, 854-62	24.3	433
149	Transformation of PVP coated silver nanoparticles in a simulated wastewater treatment process and the effect on microbial communities. *Chemistry Central Journal*, **2013**, 7, 46		96
148	Soil test measures of available P (Colwell, resin and DGT) compared with plant P uptake using isotope dilution. *Plant and Soil*, **2013**, 373, 711-722	4.2	41
147	Arsenic in agricultural and grazing land soils of Europe. *Applied Geochemistry*, **2013**, 28, 2-10	3.5	62
146	Optimization of the diffusive gradients in thin films (DGT) method for simultaneous assay of potassium and plant-available phosphorus in soils. *Talanta*, **2013**, 113, 123-9	6.2	17
145	Prediction of the concentration of chemical elements extracted by aqua regia in agricultural and grazing European soils using diffuse reflectance mid-infrared spectroscopy. *Applied Geochemistry*, **2013**, 39, 33-42	3.5	15
144	Ce, La and Y concentrations in agricultural and grazing-land soils of Europe. *Journal of Geochemical Exploration*, **2013**, 133, 202-213	3.8	43
143	Copper speciation and isotopic fractionation in plants: uptake and translocation mechanisms. *New Phytologist*, **2013**, 199, 367-378	9.8	110
142	Mercury in European agricultural and grazing land soils. *Applied Geochemistry*, **2013**, 33, 1-12	3.5	69
141	Di-n-butyl phthalate causes antiestrogenic effects in female Murray rainbowfish (Melanotaenia fluviatilis). *Environmental Toxicology and Chemistry*, **2013**, 32, 2335-44	3.8	16
140	Transport of silver nanoparticles in saturated columns of natural soils. *Science of the Total Environment*, **2013**, 463-464, 120-30	10.2	177
139	Modeling the cadmium balance in Australian agricultural systems in view of potential impacts on food and water quality. *Science of the Total Environment*, **2013**, 461-462, 240-57	10.2	31
138	Behaviour of fullerenes (C60) in the terrestrial environment: potential release from biosolids-amended soils. *Journal of Hazardous Materials*, **2013**, 262, 496-503	12.8	23
137	The use of diffuse reflectance mid-infrared spectroscopy for the prediction of the concentration of chemical elements estimated by X-ray fluorescence in agricultural and grazing European soils. *Applied Geochemistry*, **2013**, 29, 135-143	3.5	24

136	Aging of nickel added to soils as predicted by soil pH and time. *Chemosphere*, **2013**, 92, 962-8	8.4	42
135	Characterization and ecological risk assessment of nanoparticulate CeO2 as a diesel fuel catalyst. *Environmental Toxicology and Chemistry*, **2013**, 32, 1896-905	3.8	30
134	Total Petroleum Hydrocarbon Concentration Prediction in Soils Using Diffuse Reflectance Infrared Spectroscopy. *Soil Science Society of America Journal*, **2013**, 77, 450-460	2.5	39
133	Relationships between soil properties and toxicity of copper and nickel to bok choy and tomato in Chinese soils. *Environmental Toxicology and Chemistry*, **2013**, 32, 2372-8	3.8	15
132	RESPONSES OF TOMATO VAR. TINY TOM TO APPLICATION OF COPPER AND ZINC FERTILIZERS IN THREE LIMED TROPICAL PEAT SOILS OF SARAWAK. *Journal of Plant Nutrition*, **2013**, 36, 1590-1604	2.3	
131	A stable-isotope methodology for measurement of soil-applied zinc-fertilizer recovery in durum wheat (Triticum durum). *Journal of Plant Nutrition and Soil Science*, **2013**, 176, 756-763	2.3	8
130	Sequestration of Phosphorus-Binding Cations by Complexing Compounds is not a Viable Mechanism to Increase Phosphorus Efficiency. *Soil Science Society of America Journal*, **2013**, 77, 2050-2059	2.5	22
129	New soil composition data for Europe and Australia: demonstrating comparability, identifying continental-scale processes and learning lessons for global geochemical mapping. *Science of the Total Environment*, **2012**, 416, 239-52	10.2	97
128	The concept of compositional data analysis in practice--total major element concentrations in agricultural and grazing land soils of Europe. *Science of the Total Environment*, **2012**, 426, 196-210	10.2	171
127	Influence of submergence and subsequent drainage on the partitioning and lability of added selenium fertilizers in a sulphur-containing Fluvisol. *European Journal of Soil Science*, **2012**, 63, 514-522	3.4	8
126	Comparing of the difference and balance methods to calculate percent recovery of fertilizer phosphorus applied to soils: a critical discussion. *Nutrient Cycling in Agroecosystems*, **2012**, 92, 1-8	3.3	25
125	Dissolution kinetics of macronutrient fertilizers coated with manufactured zinc oxide nanoparticles. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 3991-8	5.7	152
124	Aging effects on molybdate lability in soils. *Chemosphere*, **2012**, 89, 876-83	8.4	14
123	The geochemistry of niobium and its distribution and relative mobility in agricultural soils of Europe. *Geochemistry: Exploration, Environment, Analysis*, **2012**, 12, 293-302	1.8	18
122	Lead and lead isotopes in agricultural soils of Europe The continental perspective. *Applied Geochemistry*, **2012**, 27, 532-542	3.5	111
121	Comparing results from two continental geochemical surveys to world soil composition and deriving Predicted Empirical Global Soil (PEGS2) reference values. *Earth and Planetary Science Letters*, **2012**, 319-320, 269-276	5.3	50
120	Adsorption and desorption of copper and zinc in tropical peat soils of Sarawak, Malaysia. *Geoderma*, **2012**, 175-176, 58-63	6.7	28
119	Crop residue phosphorus: speciation and potential bio-availability. *Plant and Soil*, **2012**, 359, 375-385	4.2	128

118	Selenate-enriched urea granules are a highly effective fertilizer for selenium biofortification of paddy rice grain. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 6037-44	5.7	49
117	Ageing of zinc in highly-weathered iron-rich soils. *Plant and Soil*, **2012**, 361, 83-95	4.2	12
116	The effect of soil water status on fertiliser, topsoil and subsoil phosphorus utilisation by wheat. *Plant and Soil*, **2012**, 358, 337-348	4.2	49
115	The availability of copper in soils historically amended with sewage sludge, manure, and compost. *Journal of Environmental Quality*, **2012**, 41, 506-14	3.4	31
114	Response to the letter to the editor by A. E. Johnston and D. Curtin. *Nutrient Cycling in Agroecosystems*, **2012**, 93, 249-251	3.3	
113	Retention and Dissolution of Engineered Silver Nanoparticles in Natural Soils. *Soil Science Society of America Journal*, **2012**, 76, 891-902	2.5	148
112	Dry Soil Reduces Fertilizer Phosphorus and Zinc Diffusion but Not Bioavailability. *Soil Science Society of America Journal*, **2012**, 76, 1301-1310	2.5	14
111	Wheat grain yield response to and translocation of foliar-applied phosphorus. *Crop and Pasture Science*, **2011**, 62, 58	2.2	18
110	Influences of soil properties and leaching on nickel toxicity to barley root elongation. *Ecotoxicology and Environmental Safety*, **2011**, 74, 459-66	7	38
109	Solubility and batch retention of CeO2 nanoparticles in soils. *Environmental Science & Technology*, **2011**, 45, 2777-82	10.3	169
108	Cobalt distribution and speciation: effect of aging, intermittent submergence, in situ rice roots. *Journal of Environmental Quality*, **2011**, 40, 679-95	3.4	9
107	Effects of Biosolids Application on Pasture and Grape Vines in South-Eastern Australia. *Applied and Environmental Soil Science*, **2011**, 2011, 1-11	3.8	8
106	Cadmium solubility in paddy soils: effects of soil oxidation, metal sulfides and competitive ions. *Science of the Total Environment*, **2011**, 409, 1489-97	10.2	129
105	Transfer functions for solid-solution partitioning of cadmium for Australian soils. *Environmental Pollution*, **2011**, 159, 3583-94	9.3	28
104	The chemical nature of P accumulation in agricultural soils□mplications for fertiliser management and design: an Australian perspective. *Plant and Soil*, **2011**, 349, 69-87	4.2	214
103	Release of Dissolved Cadmium and Sulfur Nanoparticles from Oxidizing Sulfide Minerals. *Soil Science Society of America Journal*, **2011**, 75, 842-854	2.5	11
102	Uptake of Metals from Soil into Vegetables **2011**, 325-367		31
101	Copper lability in soils subjected to intermittent submergence. *Journal of Environmental Quality*, **2010**, 39, 2047-53	3.4	10

100	Land application of sewage sludge (biosolids) in Australia: risks to the environment and food crops. *Water Science and Technology*, **2010**, 62, 48-57	2.2	104
99	A single application of Cu to field soil has long-term effects on bacterial community structure, diversity, and soil processes. *Pedobiologia*, **2010**, 53, 149-158	1.7	46
98	Potential for foliar phosphorus fertilisation of dryland cereal crops: a review. *Crop and Pasture Science*, **2010**, 61, 659	2.2	30
97	A method for determination of retention of silver and cerium oxide manufactured nanoparticles in soils. *Environmental Chemistry*, **2010**, 7, 298	3.2	106
96	Utilization of Biologically Treated Organic Waste on Land **2010**, 665-682		2
95	Potential Availability of Fertilizer Selenium in Field Capacity and Submerged Soils. *Soil Science Society of America Journal*, **2010**, 74, 1589-1596	2.5	25
94	Chemical behavior of fluid and granular Mn and Zn fertilisers in alkaline soils. *Soil Research*, **2010**, 48, 238	1.8	13
93	Derivation of Ecologically Based Soil Standards for Trace Elements **2010**, 7-80		8
92	Structural and functional response of soil microbiota to addition of plant substrate are moderated by soil Cu levels. *Biology and Fertility of Soils*, **2010**, 46, 333-342	6.1	16
91	Is rhamnolipid biosurfactant useful in cadmium phytoextraction?. *Journal of Soils and Sediments*, **2010**, 10, 1289-1299	3.4	14
90	Prediction of wheat response to an application of phosphorus under field conditions using diffusive gradients in thin-films (DGT) and extraction methods. *Plant and Soil*, **2010**, 337, 243-258	4.2	125
89	Biological and chemical assessments of zinc ageing in field soils. *Environmental Pollution*, **2010**, 158, 339-45	9.3	25
88	Bioavailability of zinc and copper in biosolids compared to their soluble salts. *Environmental Pollution*, **2010**, 158, 1907-15	9.3	19
87	Effect of water treatment residuals on soil phosphorus, copper and aluminium availability and toxicity. *Environmental Pollution*, **2010**, 158, 2110-6	9.3	44
86	Influences of soil properties and leaching on copper toxicity to barley root elongation. *Environmental Toxicology and Chemistry*, **2010**, 29, 835-42	3.8	31
85	Extent of copper tolerance and consequences for functional stability of the ammonia-oxidizing community in long-term copper-contaminated soils. *Environmental Toxicology and Chemistry*, **2010**, 29, 27-37	3.8	43
84	Fertilizer-Borne Trace Element Contaminants in Soils **2010**, 135-154		10
83	Speciation and isotopic exchangeability of nickel in soil solution. *Journal of Environmental Quality*, **2009**, 38, 485-92	3.4	24

82	Options for increasing the biological cycling of phosphorus in low-input and organic agricultural systems. *Crop and Pasture Science*, **2009**, 60, 116	2.2	22
81	Application of phytotoxicity data to a new Australian soil quality guideline framework for biosolids. *Science of the Total Environment*, **2009**, 407, 2546-56	10.2	37
80	Biodegradation of rhamnolipid, EDTA and citric acid in cadmium and zinc contaminated soils. *Soil Biology and Biochemistry*, **2009**, 41, 2214-2221	7.5	103
79	Exchangeability of orthophosphate and pyrophosphate in soils: a double isotopic labelling study. *Plant and Soil*, **2009**, 314, 243-252	4.2	10
78	Identification of hydroxyl copper toxicity to barley (Hordeum vulgare) root elongation in solution culture. *Environmental Toxicology and Chemistry*, **2009**, 28, 662-7	3.8	40
77	Aging effects on cobalt availability in soils. *Environmental Toxicology and Chemistry*, **2009**, 28, 1609-17	3.8	20
76	Toxicity of trace metals in soil as affected by soil type and aging after contamination: using calibrated bioavailability models to set ecological soil standards. *Environmental Toxicology and Chemistry*, **2009**, 28, 1633-42	3.8	286
75	A predictive model of the effects of aging on cobalt fate and behavior in soil. *Environmental Science & Technology*, **2009**, 43, 135-41	10.3	35
74	Models for the field-based toxicity of copper and zinc salts to wheat in 11 Australian soils and comparison to laboratory-based models. *Environmental Pollution*, **2008**, 156, 707-14	9.3	27
73	A novel technique to determine cobalt exchangeability in soils using isotope dilution. *Environmental Science & Technology*, **2008**, 42, 140-6	10.3	15
72	Root uptake of lipophilic zinc-rhamnolipid complexes. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 2112-7	5.7	34
71	Evidence for Different Reaction Pathways for Liquid and Granular Micronutrients in a Calcareous Soil. *Soil Science Society of America Journal*, **2008**, 72, 98-110	2.5	19
70	Isotopic Exchangeability, Hydrolysis and Mobilization Reactions of Pyrophosphate in Soil. *Soil Science Society of America Journal*, **2008**, 72, 1337-1343	2.5	6
69	Modeling the toxicity of copper and zinc salts to wheat in 14 soils. *Environmental Toxicology and Chemistry*, **2008**, 27, 786-92	3.8	83
68	Nanomaterials in the environment: behavior, fate, bioavailability, and effects. *Environmental Toxicology and Chemistry*, **2008**, 27, 1825-51	3.8	2098
67	Critical loads of metals and other trace elements to terrestrial environments. *Environmental Science & Technology*, **2007**, 41, 6326-31	10.3	34
66	Polyphosphate Speciation for Soil and Fertilizer Analysis. *Communications in Soil Science and Plant Analysis*, **2007**, 38, 2445-2460	1.5	4
65	Measuring rates of gross and net mineralisation of organic phosphorus in soils. *Soil Biology and Biochemistry*, **2007**, 39, 900-913	7.5	73

64	Limitations of soil microbial biomass carbon as an indicator of soil pollution in the field. *Soil Biology and Biochemistry*, **2007**, 39, 2693-2695	7.5	46
63	Soil factors controlling the toxicity of copper and zinc to microbial processes in Australian soils. *Environmental Toxicology and Chemistry*, **2007**, 26, 583-90	3.8	80
62	Leaf-applied sodium chloride promotes cadmium accumulation in durum wheat grain. *Plant and Soil* , **2007**, 290, 323-331	4.2	28
61	Polyphosphate-fertilizer solution stability with time, temperature, and pH. *Journal of Plant Nutrition and Soil Science*, **2007**, 170, 387-391	2.3	38
60	Predicting the response of wheat (Triticum aestivum L.) to liquid and granular phosphorus fertilisers in Australian soils. *Soil Research*, **2007**, 45, 448	1.8	40
59	Pyrophosphate and orthophosphate addition to soils: sorption, cation concentrations, and dissolved organic carbon. *Soil Research*, **2007**, 45, 237	1.8	11
58	Long-term aging of copper added to soils. *Environmental Science & Technology*, **2006**, 40, 6310-7	10.3	169
57	Stable isotope techniques for assessing labile Cu in soils: development of an L-value procedure, its application, and reconciliation with E values. *Environmental Science & Technology*, **2006**, 40, 3342-8	10.3	24
56	Fixation of metals in soil constituents and potential remobilization by hyperaccumulating and non-hyperaccumulating plants: results from an isotopic dilution study. *Environmental Pollution*, **2006**, 143, 407-15	9.3	29
55	Density Changes around Phosphorus Granules and Fluid Bands in a Calcareous Soil. *Soil Science Society of America Journal*, **2006**, 70, 960-966	2.5	33
54	A Field Investigation of Solubility and Food Chain Accumulation of Biosolid-Cadmium Across Diverse Soil Types. *Environmental Chemistry*, **2006**, 3, 428	3.2	83
53	Copper Partitioning Among Mineral and Organic Fractions in Biosolids. *Environmental Chemistry*, **2006**, 3, 48	3.2	4
52	Determination of labile Cu in soils and isotopic exchangeability of colloidal Cu complexes. *European Journal of Soil Science*, **2006**, 57, 147-153	3.4	20
51	Short-term natural attenuation of copper in soils: effects of time, temperature, and soil characteristics. *Environmental Toxicology and Chemistry*, **2006**, 25, 652-8	3.8	92
50	Changes in P Bioavailability Induced by the Application of Liquid and Powder Sources of P, N and Zn Fertilizers in Alkaline Soils. *Nutrient Cycling in Agroecosystems*, **2006**, 74, 27-40	3.3	31
49	Natural Attenuation **2006**, 173-195		
48	Biological Assessmento f Natural Attenuation of Metals in Soil **2006**, 41-56		
47	An inter-laboratory study to test the ability of amendments to reduce the availability of Cd, Pb, and Zn in situ. *Environmental Pollution*, **2005**, 138, 34-45	9.3	199

46	Prediction of zinc, cadmium, lead, and copper availability to wheat in contaminated soils using chemical speciation, diffusive gradients in thin films, extraction, and isotopic dilution techniques. *Journal of Environmental Quality*, **2005**, 34, 496-507	3.4	173
45	Responsiveness of wheat (Triticum aestivum) to liquid and granular phosphorus fertilisers in southern Australian soils. *Soil Research*, **2005**, 43, 203	1.8	45
44	Effect of toxic cations on copper rhizotoxicity in wheat seedlings. *Environmental Toxicology and Chemistry*, **2005**, 24, 372-8	3.8	25
43	Temporal trends of total and potentially available element concentrations in sewage biosolids: a comparison of biosolid surveys conducted 18 years apart. *Science of the Total Environment*, **2005**, 337, 139-45	10.2	26
42	Mobility, solubility and lability of fluid and granular forms of P fertiliser in calcareous and non-calcareous soils under laboratory conditions. *Plant and Soil*, **2005**, 269, 25-34	4.2	39
41	Changes in the nature of sewage sludge organic matter during a twenty-one-month incubation. *Journal of Environmental Quality*, **2004**, 33, 1924-9	3.4	12
40	Effect of chloride in soil solution on the plant availability of biosolid-borne cadmium. *Journal of Environmental Quality*, **2004**, 33, 496-504	3.4	92
39	Soil properties affecting toxicity of zinc to soil microbial properties in laboratory-spiked and field-contaminated soils. *Environmental Toxicology and Chemistry*, **2004**, 23, 2633-40	3.8	145
38	Heavy metals in soils and crops in Southeast Asia. 1. Peninsular Malaysia. *Environmental Geochemistry and Health*, **2004**, 26, 343-57	4.7	119
37	Heavy metals in soils and crops in Southeast Asia. 2. Thailand. *Environmental Geochemistry and Health*, **2004**, 26, 359-71	4.7	113
36	Measurement of labile Cu in soil using stable isotope dilution and isotope ratio analysis by ICP-MS. *Analytical and Bioanalytical Chemistry*, **2004**, 380, 789-97	4.4	39
35	Determination of Tl(I) and Tl(III) by IC-ICP-MS and application to Tl speciation analysis in the Tl hyperaccumulator plant Iberis intermedia. *Journal of Analytical Atomic Spectrometry*, **2004**, 19, 757-761	3.7	42
34	Do earthworms mobilize fixed zinc from ingested soil?. *Environmental Science & Technology*, **2004**, 38, 3036-9	10.3	21
33	Adaptation of soil biological nitrification to heavy metals. *Environmental Science & Technology*, **2004**, 38, 3092-7	10.3	63
32	Coupling speciation and isotope dilution techniques to study arsenic mobilization in the environment. *Environmental Science & Technology*, **2004**, 38, 1794-8	10.3	55
31	In vivo synchrotron study of thallium speciation and compartmentation in Iberis intermedia. *Environmental Science & Technology*, **2004**, 38, 5095-100	10.3	92
30	Geochemical indices allow estimation of heavy metal background concentrations in soils. *Global Biogeochemical Cycles*, **2004**, 18, n/a-n/a	5.9	50
29	Assessment of the use of industrial by-products to remediate a copper- and arsenic-contaminated soil. *Journal of Environmental Quality*, **2004**, 33, 902-10	3.4	79

28	Effect of Chloride in Soil Solution on the Plant Availability of Biosolid-Borne Cadmium **2004**, 33, 496		35
27	Australian Biosolids: Characterization and Determination of Available Copper. *Environmental Chemistry*, **2004**, 1, 116	3.2	16
26	Metal Bioaccumulation and Toxicity in Soils—Why Bother with Speciation?. *Australian Journal of Chemistry*, **2003**, 56, 77	1.2	99
25	Effects of long-term irrigation with reclaimed water on soils of the Northern Adelaide Plains, South Australia. *Soil Research*, **2003**, 41, 933	1.8	39
24	Transformation and fixation of Zn in two polluted soils by changes of pH and organic ligands. *Soil Research*, **2003**, 41, 905	1.8	10
23	The influence of low rates of air-dried biosolids on yield and phosphorus and zinc nutrition of wheat (Triticum durum) and barley(Hordeum vulgare). *Soil Research*, **2003**, 41, 293	1.8	13
22	Organic Ligand and pH Effects on Isotopically Exchangeable Cadmium in Polluted Soils. *Soil Science Society of America Journal*, **2003**, 67, 112-121	2.5	44
21	Determining toxicity of lead and zinc runoff in soils: salinity effects on metal partitioning and on phytotoxicity. *Environmental Toxicology and Chemistry*, **2003**, 22, 3017-24	3.8	96
20	Chemical characteristics of phosphorus in alkaline soils from southern Australia. *Soil Research*, **2003** , 41, 61	1.8	118
19	Lability of Cd, Cu, and Zn in polluted soils treated with lime, beringite, and red mud and identification of a non-labile colloidal fraction of metals using istopic techniques. *Environmental Science & Technology*, **2003**, 37, 979-84	10.3	167
18	Chemical speciation of Zn, Cd, Cu, and Pb in pore waters of agricultural and contaminated soils using Donnan dialysis. *Environmental Science & Technology*, **2003**, 37, 90-8	10.3	143
17	The influence of sewage sludge properties on sludge-borne metal availability. *Journal of Environmental Management*, **2003**, 8, 21-36		85
16	The uptake and partitioning of cadmium in two cultivars of potato (Solanum tuberosum L.). *Journal of Experimental Botany*, **2003**, 54, 349-54	7	96
15	Uptake of intact zinc-ethylenediaminetetraacetic acid from soil is dependent on plant species and complex concentration. *Environmental Toxicology and Chemistry*, **2002**, 21, 1940-1945	3.8	55
14	Characteristics of cadmium uptake in two contrasting ecotypes of the hyperaccumulator Thlaspi caerulescens. *Journal of Experimental Botany*, **2002**, 53, 535-43	7	281
13	The rapid assessment of concentrations and solid phase associations of macro- and micronutrients in alkaline soils by mid-infrared diffuse reflectance spectroscopy. *Soil Research*, **2002**, 40, 1339	1.8	27
12	Use and abuse of isotopic exchange data in soil chemistry. *Soil Research*, **2002**, 40, 1371	1.8	69
11	Interferences in the determination of isotopically exchangeable P in soils and a method to minimise them. *Soil Research*, **2002**, 40, 1383	1.8	35

10	Mechanisms of attenuation of metal availability in in situ remediation treatments. *Environmental Science & Technology*, **2002**, 36, 3991-6	10.3	110
9	UPTAKE OF INTACT ZINC□ETHYLENEDIAMINETETRAACETIC ACID FROM SOIL IS DEPENDENT ON PLANT SPECIES AND COMPLEX CONCENTRATION. *Environmental Toxicology and Chemistry*, **2002**, 21, 1940	3.8	5
8	Uptake of intact zinc-ethylenediaminetetraacetic acid from soil is dependent on plant species and complex concentration. *Environmental Toxicology and Chemistry*, **2002**, 21, 1940-5	3.8	40
7	Background zinc concentrations in soil affect the zinc sensitivity of soil microbial processes□ rationale for a metalloregion approach to risk assessments. *Environmental Toxicology and Chemistry* , **2001**, 20, 2639-2643	3.8	31
6	Determination of metal--EDTA complexes in soil solution and plant xylem by ion chromatography-electrospray mass spectrometry. *Environmental Science & Technology*, **2001**, 35, 2589-93	10.3	71
5	Background zinc concentrations in soil affect the zinc sensitivity of soil microbial processes--a rationale for a metalloregion approach to risk assessments. *Environmental Toxicology and Chemistry* , **2001**, 20, 2639-43	3.8	25
4	Determination of NTA and EDTA and Speciation of Their Metal Complexes in Aqueous Solution by Capillary Electrophoresis. *Environmental Science & Technology*, **2000**, 34, 885-891	10.3	52
3	Removal of soluble Cu and Pb by the automatic drip coffee brewing process: Application to risk assessment. *Human and Ecological Risk Assessment (HERA)*, **2000**, 6, 313-322	4.9	5
2	Long-Term Changes in Cadmium Bioavailability in Soil. *Environmental Science & Technology*, **1998**, 32, 3699-3703	10.3	93
1	The effect of acid digestion technique on the performance of nebulization systems used in inductively coupled plasma spectrometry. *Communications in Soil Science and Plant Analysis*, **1996**, 27, 1331-1354	1.5	106