## Michael Komrek

## 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.

 121
 5,555
 39
 72

 papers
 citations
 h-index
 g-index

 121
 6,361
 7.3
 5.99

 ext. papers
 ext. citations
 avg, IF
 L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 121 | Electroactive Fe-biochar for redox-related remediation of arsenic and chromium: Distinct redox nature with varying iron/carbon speciation. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 430, 128479                                 | 12.8 | 3         |
| 120 | Cadmium isotope systematics for source apportionment in an urbanEural region. <i>Applied Geochemistry</i> , <b>2022</b> , 137, 105196  | 3.5  | О         |
| 119 | Mg-Fe LDH-coated biochars for metal(loid) removal: Surface complexation modeling and structural change investigations. <i>Chemical Engineering Journal</i> , <b>2022</b> , 432, 134360   | 14.7 | O         |
| 118 | Multiple pollution sources unravelled by environmental forensics techniques and multivariate statistics. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 424, 127413   | 12.8 | 2         |
| 117 | Innovative in situ remediation of mine waters using a layered double hydroxide-biochar composite.<br>Journal of Hazardous Materials, <b>2022</b> , 424, 127136   | 12.8 | O         |
| 116 | Machine learning exploration of the direct and indirect roles of Fe impregnation on Cr(VI) removal by engineered biochar. <i>Chemical Engineering Journal</i> , <b>2022</b> , 428, 131967  | 14.7 | 8         |
| 115 | Challenges in Reducing Phytotoxicity of Metals in Soils Affected by Non-Ferrous Smelter Operations. <i>Geography, Environment, Sustainability</i> , <b>2022</b> , 15, 112-121  | 1    |           |
| 114 | Investigation of Fe isotope systematics for the complete sequence of natural and metallurgical processes of Ni lateritic ores: Implications for environmental source tracing. <i>Applied Geochemistry</i> , <b>2021</b> , 127, 104930        | 3.5  | 1         |
| 113 | Investigation of zinc binding properties onto natural and synthetic zeolites: Implications for soil remediation. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 317, 111022   | 5.3  | 1         |
| 112 | Cadmium Isotope Fractionation during Complexation with Humic Acid. <i>Environmental Science &amp; Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7430-7444   | 10.3 | 14        |
| 111 | Tracing the sources of bioaccessible metal(loid)s in urban environments: A multidisciplinary approach. <i>Science of the Total Environment</i> , <b>2021</b> , 771, 144827   | 10.2 | 11        |
| 110 | Contaminated soils of different natural pH and industrial origin: The role of (nano) iron- and manganese-based amendments in As, Sb, Pb, and Zn leachability. <i>Environmental Pollution</i> , <b>2021</b> , 285, 117268                     | 9.3  | 6         |
| 109 | Soil moisture influences performance of selected stabilizing amendments in soil remediation. <i>Geoderma</i> , <b>2021</b> , 402, 115307   | 6.7  | O         |
| 108 | Health risk assessment of metal(loid)s in soil and particulate matter from industrialized regions: A multidisciplinary approach. <i>Environmental Pollution</i> , <b>2020</b> , 260, 114057  | 9.3  | 12        |
| 107 | Metal(loid) and isotopic tracing of Pb in soils, road and house dusts from the industrial area of Volos (central Greece). <i>Science of the Total Environment</i> , <b>2020</b> , 725, 138300  | 10.2 | 27        |
| 106 | Seasonal fluctuations of Zn, Pb, As and Cd contents in the biomass of selected grass species growing on contaminated soils: Implications for in situ phytostabilization. <i>Science of the Total Environment</i> , <b>2020</b> , 703, 134710 | 10.2 | 9         |
| 105 | Assessment of biochar and/or nano zero-valent iron for the stabilisation of Zn, Pb and Cd: A temporal study of solid phase geochemistry under changing soil conditions. <i>Chemosphere</i> , <b>2020</b> , 242, 125248                       | 8.4  | 29        |

| 1 | 204         | Nanoscale Zero-Valent Iron Has Minimum Toxicological Risk on the Germination and Early Growth of Two Grass Species with Potential for Phytostabilization. <i>Nanomaterials</i> , <b>2020</b> , 10,   | 5.4                  | 2   |  |
|---|-------------|--|----------------------|-----|--|
| 1 | 103         | Multifunctional iron-biochar composites for the removal of potentially toxic elements, inherent cations, and hetero-chloride from hydraulic fracturing wastewater. <i>Environment International</i> , <b>2019</b> , 124, 521-532   | 12.9                 | 287 |  |
| 1 | 10 <b>2</b> | Antimonate adsorption onto Mg-Fe layered double hydroxides in aqueous solutions at different pH values: Coupling surface complexation modeling with solid-state analyses. <i>Chemosphere</i> , <b>2019</b> , 229, 236  | ;- <mark>8</mark> 46 | 14  |  |
| 1 | 101         | The role of soil components in synthetic mixtures during the adsorption and speciation changes of Cr(VI): Conjunction of the modeling approach with spectroscopic and isotopic investigations. <i>Environment International</i> , <b>2019</b> , 127, 848-857   | 12.9                 | 11  |  |
| 1 | 200         | Nano zero-valent iron aging interacts with the soil microbial community: a microcosm study. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 1189-1206  | 7.1                  | 20  |  |
| 9 | 9           | Synthesis of modified amorphous manganese oxide using low-cost sugars and biochars: Material characterization and metal(loid) sorption properties. <i>Science of the Total Environment</i> , <b>2019</b> , 670, 1159-  | 1 <del>163</del>     | 14  |  |
| 9 | )8          | Stability and stabilizing efficiency of Mg-Fe layered double hydroxides and mixed oxides in aqueous solutions and soils with elevated As(V), Pb(II) and Zn(II) contents. <i>Science of the Total Environment</i> , <b>2019</b> , 648, 1511-1519  | 10.2                 | 19  |  |
| 9 | 97          | Biochar and Its Composites for Metal(loid) Removal From Aqueous Solutions <b>2019</b> , 113-141  |                      | 3   |  |
| 9 | )6          | In situ chemical stabilization of trace element-contaminated soil Field demonstrations and barriers to transition from laboratory to the field A review. <i>Applied Geochemistry</i> , <b>2019</b> , 100, 335-351  | 3.5                  | 48  |  |
| 9 | 95          | Effect of nano zero-valent iron application on As, Cd, Pb, and Zn availability in the rhizosphere of metal(loid) contaminated soils. <i>Chemosphere</i> , <b>2018</b> , 200, 217-226   | 8.4                  | 67  |  |
| 9 | 94          | AMOchar: Amorphous manganese oxide coating of biochar improves its efficiency at removing metal(loid)s from aqueous solutions. <i>Science of the Total Environment</i> , <b>2018</b> , 625, 71-78  | 10.2                 | 41  |  |
| 9 | 93          | Highly effective Zn(II) and Pb(II) removal from aqueous solutions using Mg-Fe layered double hydroxides: Comprehensive adsorption modeling coupled with solid state analyses. <i>Journal of Cleaner Production</i> , <b>2018</b> , 171, 944-953  | 10.3                 | 31  |  |
| 9 | )2          | Nano Zero-Valent Iron Mediated Metal(loid) Uptake and Translocation by Arbuscular Mycorrhizal Symbioses. <i>Environmental Science &amp; Environmental &amp; Environmenta</i> | 10.3                 | 23  |  |
| 9 | )1          | Unleaded gasoline as a significant source of Pb emissions in the Subarctic. <i>Chemosphere</i> , <b>2018</b> , 193, 230-   | -8346                | 23  |  |
| 9 | 90          | Revisiting models of Cd, Cu, Pb and Zn adsorption onto Fe(III) oxides. <i>Chemical Geology</i> , <b>2018</b> , 493, 189-   | 1,9,8                | 31  |  |
| 8 | 39          | Metal(loid)s behaviour in soils amended with nano zero-valent iron as a function of pH and time. <i>Journal of Environmental Management</i> , <b>2017</b> , 186, 268-276   | 7.9                  | 57  |  |
| 8 | 38          | Exposure of engineered nanomaterials to plants: Insights into the physiological and biochemical responses-A review. <i>Plant Physiology and Biochemistry</i> , <b>2017</b> , 110, 236-264  | 5.4                  | 240 |  |
| 8 | 37          | Characterization of Fe-Mn concentric nodules from Luvisol irrigated by mine water in a semi-arid agricultural area. <i>Geoderma</i> , <b>2017</b> , 299, 32-42   | 6.7                  | 17  |  |

| 86 | Stable isotope tracing of Ni and Cu pollution in North-East Norway: Potentials and drawbacks. <i>Environmental Pollution</i> , <b>2017</b> , 228, 149-157  | 9.3  | 22  |
|----|--|------|-----|
| 85 | Engineered Nanomaterials for Phytoremediation of Metal/Metalloid-Contaminated Soils: Implications for Plant Physiology <b>2017</b> , 369-403   |      | 14  |
| 84 | Interactions of two novel stabilizing amendments with sunflower plants grown in a contaminated soil. <i>Chemosphere</i> , <b>2017</b> , 186, 374-380   | 8.4  | 17  |
| 83 | Suitability of selected bioindicators of atmospheric pollution in the industrialised region of Ostrava, Upper Silesia, Czech Republic. <i>Environmental Monitoring and Assessment</i> , <b>2017</b> , 189, 478   | 3.1  | 4   |
| 82 | Sorption mechanisms of arsenate on Mg-Fe layered double hydroxides: A combination of adsorption modeling and solid state analysis. <i>Chemosphere</i> , <b>2017</b> , 168, 539-548   | 8.4  | 34  |
| 81 | Evaluating the suitability of different environmental samples for tracing atmospheric pollution in industrial areas. <i>Environmental Pollution</i> , <b>2017</b> , 220, 286-297   | 9.3  | 42  |
| 80 | MONITORING OF MOBILIZATION AND UPTAKE OF NUTRIENTS IN RESPONSE TO EDTA ADDITIONS TO A CONTAMINATED AGRICULTURAL SOIL. <i>Environmental Engineering and Management Journal</i> , <b>2017</b> , 16, 2475-2483  | 0.6  | 1   |
| 79 | Study of interactions between relevant organic acids and aluminium in model solutions using HPLC and IC. <i>Soil and Water Research</i> , <b>2016</b> , 10, 172-180  | 2.5  | 10  |
| 78 | Comparative effects of nanoscale zero-valent iron (nZVI) and Fe2O3 nanoparticles on root hydraulic conductivity of Solanum lycopersicum L <i>Environmental and Experimental Botany</i> , <b>2016</b> , 131, 128-136  | 5.9  | 27  |
| 77 | Maghemite nanoparticles and ferrous sulfate for the stimulation of iron plaque formation and arsenic immobilization in Phragmites australis. <i>Environmental Pollution</i> , <b>2016</b> , 219, 296-304   | 9.3  | 23  |
| 76 | Response to Comment on "Competitive Adsorption of Cd(II), Cr(VI), and Pb(II) onto Nanomaghemite: A Spectroscopic and Modeling Approach". <i>Environmental Science &amp; Environmental Science &amp; Environmenta</i> | 10.3 | 2   |
| 75 | Metal(loid) distribution and Pb isotopic signatures in the urban environment of Athens, Greece. <i>Environmental Pollution</i> , <b>2016</b> , 213, 420-431  | 9.3  | 34  |
| 74 | Lead and cadmium sorption mechanisms on magnetically modified biochars. <i>Bioresource Technology</i> , <b>2016</b> , 203, 318-24  | 11   | 189 |
| 73 | Root water transport of Helianthus annuus L. under iron oxide nanoparticle exposure. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 1732-41   | 5.1  | 111 |
| 72 | Biosorption of Cr(VI) from natural groundwater and the effect of DOC-rich treated water on Cr dissolving from contaminated soil. <i>Soil and Water Research</i> , <b>2016</b> , 10, 236-243  | 2.5  |     |
| 71 | Chromate adsorption on selected soil minerals: Surface complexation modeling coupled with spectroscopic investigation. <i>Journal of Hazardous Materials</i> , <b>2016</b> , 318, 433-442  | 12.8 | 39  |
| 70 | Stability, transformations and stabilizing potential of an amorphous manganese oxide and its surface-modified form in contaminated soils. <i>Applied Geochemistry</i> , <b>2016</b> , 75, 125-136  | 3.5  | 12  |
| 69 | Selected Fe and Mn (nano)oxides as perspective amendments for the stabilization of As in contaminated soils. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 10841-10854   | 5.1  | 22  |

| 68 | Metal sorption onto soils loaded with urban particulate matter. <i>Chemie Der Erde</i> , <b>2015</b> , 75, 29-33   | 4.3    |     |
|----|--|--------|-----|
| 67 | Biosorbent encapsulation in calcium alginate: Effects of process variables on Cr(VI) removal from solutions. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 80, 260-70  | 7.9    | 16  |
| 66 | Interactions of nano-oxides with low-molecular-weight organic acids in a contaminated soil. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 293, 7-14  | 12.8   | 46  |
| 65 | Cadmium isotope fractionation within the soil profile complicates source identification in relation to Pb <b>I</b> n mining and smelting processes. <i>Chemical Geology</i> , <b>2015</b> , 405, 1-9   | 4.2    | 59  |
| 64 | Effects of Nano-maghemite on Trace Element Accumulation and Drought Response of Helianthus annuus L. in a Contaminated Mine Soil. <i>Water, Air, and Soil Pollution</i> , <b>2015</b> , 226, 1   | 2.6    | 49  |
| 63 | Competitive Adsorption of Cd(II), Cr(VI), and Pb(II) onto Nanomaghemite: A Spectroscopic and Modeling Approach. <i>Environmental Science &amp; Environmental Science &amp; Environmental</i> | 10.3   | 87  |
| 62 | Bioaccumulation of thallium in a neutral soil as affected by solid-phase association. <i>Journal of Geochemical Exploration</i> , <b>2015</b> , 159, 208-212   | 3.8    | 24  |
| 61 | Phytoextraction of Metals: Modeling Root Metal Uptake and Associated Processes <b>2015</b> , 69-83   |        | 3   |
| 60 | Thallium contamination of soils/vegetation as affected by sphalerite weathering: a model rhizospheric experiment. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 283, 148-56  | 12.8   | 31  |
| 59 | The pH-dependent long-term stability of an amorphous manganese oxide in smelter-polluted soils: implication for chemical stabilization of metals and metalloids. <i>Journal of Hazardous Materials</i> , <b>2015</b> , 286, 386-94   | 12.8   | 47  |
| 58 | Stability of a novel synthetic amorphous manganese oxide in contrasting soils. <i>Geoderma</i> , <b>2014</b> , 214-215, 2-9  | 6.7    | 16  |
| 57 | Copper removal from aqueous solution using biochar: Effect of chemical activation. <i>Arabian Journal of Chemistry</i> , <b>2014</b> , 7, 43-52  | 5.9    | 96  |
| 56 | Geochemical and spectroscopic investigations of Cd and Pb sorption mechanisms on contrasting biochars: engineering implications. <i>Bioresource Technology</i> , <b>2014</b> , 171, 442-51   | 11     | 120 |
| 55 | Evaluating the potential of three Fe- and Mn-(nano)oxides for the stabilization of Cd, Cu and Pb in contaminated soils. <i>Journal of Environmental Management</i> , <b>2014</b> , 146, 226-234  | 7.9    | 55  |
| 54 | Lead migration in smelter-impacted deciduous and coniferous organic soil horizons based on a long-term in-situ implantation and laboratory column experiments. <i>Applied Geochemistry</i> , <b>2014</b> , 48, 168-  | .4̂7̄5 | 4   |
| 53 | Trace elements and nutrients adsorption onto nano-maghemite in a contaminated-soil solution: A geochemical/statistical approach. <i>Journal of Hazardous Materials</i> , <b>2014</b> , 276, 271-7  | 12.8   | 16  |
| 52 | Isotope fractionation and spectroscopic analysis as an evidence of Cr(VI) reduction during biosorption. <i>Chemosphere</i> , <b>2014</b> , 95, 402-7   | 8.4    | 25  |
| 51 | pK a Constant Determination of Two Triazole Pesticides: Tebuconazole and Penconazole. <i>Journal of Solution Chemistry</i> , <b>2013</b> , 42, 1075-1082   | 1.8    | 16  |

| 50 | Phase-dependent phytoavailability of thalliuma synthetic soil experiment. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 250-251, 265-71   | 12.8              | 22  |
|----|---|-------------------|-----|
| 49 | Brewers draff as a new low-cost sorbent for chromium (VI): comparison with other biosorbents. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 396, 227-33   | 9.3               | 27  |
| 48 | Adsorption of copper, cadmium, lead and zinc onto a synthetic manganese oxide. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 399, 99-106  | 9.3               | 103 |
| 47 | Tebuconazole Sorption in Contrasting Soil Types. Soil and Sediment Contamination, 2013, 22, 404-414   | 3.2               | 25  |
| 46 | The influence of copper on tebuconazole sorption onto soils, humic substances, and ferrihydrite. <i>Environmental Science and Pollution Research</i> , <b>2013</b> , 20, 4205-15  | 5.1               | 9   |
| 45 | Chemical stabilization of metals and arsenic in contaminated soils using oxidesa review. <i>Environmental Pollution</i> , <b>2013</b> , 172, 9-22   | 9.3               | 395 |
| 44 | Geochemical position of thallium in soils from a smelter-impacted area. <i>Journal of Geochemical Exploration</i> , <b>2013</b> , 124, 176-182  | 3.8               | 51  |
| 43 | Modelling of Cd, Cu, Pb and Zn transport in metal contaminated soil and their uptake by willow (Salix smithiana) using HYDRUS-2D program. <i>Plant and Soil</i> , <b>2013</b> , 366, 433-451  | 4.2               | 12  |
| 42 | New low cost sorbents for Cr(VI) (batch and column experiments. E3S Web of Conferences, 2013, 1, 2500)  | <b>)6</b> .5      |     |
| 41 | Incubation of air-pollution-control residues from secondary Pb smelter in deciduous and coniferous organic soil horizons: leachability of lead, cadmium and zinc. <i>Journal of Hazardous Materials</i> , <b>2012</b> , 209-210, 40-7                                     | 12.8              | 9   |
| 40 | Geochemical position of Pb, Zn and Cd in soils near the Olkusz mine/smelter, South Poland: effects of land use, type of contamination and distance from pollution source. <i>Environmental Monitoring and Assessment</i> , <b>2012</b> , 184, 2517-36                     | 3.1               | 74  |
| 39 | Effect of low-molecular-weight organic acids on the leaching of thallium and accompanying cations from soil [A model rhizosphere solution approach. <i>Journal of Geochemical Exploration</i> , <b>2012</b> , 112, 212-21   | 1 <del>3</del> .8 | 30  |
| 38 | 50years of different landscape management influencing retention of metals in soils. <i>Journal of Geochemical Exploration</i> , <b>2012</b> , 115, 59-68  | 3.8               | 10  |
| 37 | Sorption behavior of Cd, Cu, Pb, and Zn and their interactions in phytoremediated soil. <i>International Journal of Phytoremediation</i> , <b>2012</b> , 14, 806-19   | 3.9               | 14  |
| 36 | Roles of Metal-(Hydr)oxides in Chelant-Enhanced (Phyto)extraction <b>2012</b> , 198-211   |                   |     |
| 35 | Chemically enhanced phytoextraction of risk elements from a contaminated agricultural soil using Zea mays and Triticum aestivum: performance and metal mobilization over a three year period. <i>International Journal of Phytoremediation</i> , <b>2012</b> , 14, 754-71 | 3.9               | 23  |
| 34 | Sorption of tebuconazole onto selected soil minerals and humic acids. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2012</b> , 47, 336-42   | 2.2               | 22  |
| 33 | Distribution of thallium and accompanying metals in tree rings of Scots pine (Pinus sylvestris L.) from a smelter-affected area. <i>Journal of Geochemical Exploration</i> , <b>2011</b> , 108, 73-80   | 3.8               | 21  |

## (2009-2011)

| 32 | Biochar application to metal-contaminated soil: Evaluating of Cd, Cu, Pb and Zn sorption behavior using single- and multi-element sorption experiment. <i>Plant, Soil and Environment</i> , <b>2011</b> , 57, 372-380                  | 2.2              | 67  |
|----|--|------------------|-----|
| 31 | Mobility of lead, zinc and cadmium in alluvial soils heavily polluted by smelting industry. <i>Plant, Soil and Environment</i> , <b>2011</b> , 51, 316-321   | 2.2              | 56  |
| 30 | Evolution of bioavailable copper and major soil cations in contaminated soils treated with ethylenediaminedisuccinate: a two-year experiment. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2011</b> , 86, 525-30 | 2.7              | 7   |
| 29 | Complexation between the fungicide tebuconazole and copper(II) probed by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 1037-42                                       | 2.2              | 27  |
| 28 | Effect of illite and birnessite on thallium retention and bioavailability in contaminated soils. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 191, 170-6  | 12.8             | 52  |
| 27 | Contamination of vineyard soils with fungicides: a review of environmental and toxicological aspects. <i>Environment International</i> , <b>2010</b> , 36, 138-151   | 12.9             | 463 |
| 26 | Lead contamination of an agricultural soil in the vicinity of a shooting range. <i>Environmental Monitoring and Assessment</i> , <b>2010</b> , 162, 37-46  | 3.1              | 36  |
| 25 | Potential and drawbacks of EDDS-enhanced phytoextraction of copper from contaminated soils. <i>Environmental Pollution</i> , <b>2010</b> , 158, 2428-38  | 9.3              | 46  |
| 24 | Thallium dynamics in contrasting light sandy soilssoil vulnerability assessment to anthropogenic contamination. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 173, 717-23  | 12.8             | 40  |
| 23 | Assessment of the BCR sequential extraction procedure for thallium fractionation using synthetic mineral mixtures. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 176, 913-8  | 12.8             | 29  |
| 22 | Thallium uptake by white mustard (Sinapis alba L.) grown on moderately contaminated soilsagro-environmental implications. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 182, 303-8   | 12.8             | 39  |
| 21 | Bioavailability of lead and cadmium in soils artificially contaminated with smelter fly ash. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2009</b> , 83, 286-90  | 2.7              | 6   |
| 20 | Effect of ozonation on polychlorinated biphenyl degradation and on soil physico-chemical properties. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 161, 1202-7   | 12.8             | 25  |
| 19 | Retention of copper originating from different fungicides in contrasting soil types. <i>Journal of Hazardous Materials</i> , <b>2009</b> , 166, 1395-402   | 12.8             | 41  |
| 18 | Copper determination using ICP-MS with hexapole collision cell. Chemical Papers, 2009, 63,   | 1.9              | 24  |
| 17 | Interactions of EDDS with Fe- and Al-(hydr)oxides. <i>Chemosphere</i> , <b>2009</b> , 77, 87-93  | 8.4              | 32  |
| 16 | Lithogenic thallium behavior in soils with different land use. <i>Journal of Geochemical Exploration</i> , <b>2009</b> , 102, 7-12   | 3.8              | 50  |
| 15 | Nutrient mobilization and nutrient contents of Zea mays in response to EDTA additions to heavy-metal-contaminated agricultural soil. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2009</b> , 172, 520-5                     | 2 <sup>2.3</sup> | 5   |

| 14 | The use of poplar during a two-year induced phytoextraction of metals from contaminated agricultural soils. <i>Environmental Pollution</i> , <b>2008</b> , 151, 27-38  | 9.3              | 63  |
|----|--|------------------|-----|
| 13 | Lead isotopes in environmental sciences: a review. <i>Environment International</i> , <b>2008</b> , 34, 562-77   | 12.9             | 555 |
| 12 | Phytoextraction of Pb and Cd from a contaminated agricultural soil using different EDTA application regimes: Laboratory versus field scale measures of efficiency. <i>Geoderma</i> , <b>2008</b> , 144, 446-45                       | 4 <sup>6.7</sup> | 120 |
| 11 | Copper contamination of vineyard soils from small wine producers: A case study from the Czech Republic. <i>Geoderma</i> , <b>2008</b> , 147, 16-22   | 6.7              | 84  |
| 10 | A critical evaluation of the 0.05 M EDTA extraction of Pb from forest soils. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2008</b> , 88, 385-396  | 1.8              | 11  |
| 9  | The role of Fe- and Mn-oxides during EDTA-enhanced phytoextraction of heavy metals. <i>Plant, Soil and Environment</i> , <b>2008</b> , 53, 216-224   | 2.2              | 18  |
| 8  | The role of chloride salts in chemically enhanced phytoextraction of heavy metals from a contaminated agricultural soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2007</b> , 78, 176-8                     | o <sup>2.7</sup> | 4   |
| 7  | Metal/metalloid contamination and isotopic composition of lead in edible mushrooms and forest soils originating from a smelting area. <i>Environment International</i> , <b>2007</b> , 33, 677-84                                    | 12.9             | 74  |
| 6  | The use of maize and poplar in chelant-enhanced phytoextraction of lead from contaminated agricultural soils. <i>Chemosphere</i> , <b>2007</b> , 67, 640-51  | 8.4              | 110 |
| 5  | Vanadium determination in chloride matrices using ICP-MS: finding the optimum collision/reaction cell parameters for suppressing polyatomic interferences. <i>Analytical and Bioanalytical Chemistry</i> , <b>2006</b> , 385, 962-70 | 4.4              | 21  |
| 4  | Evaluation of extraction/digestion techniques used to determine lead isotopic composition in forest soils. <i>Analytical and Bioanalytical Chemistry</i> , <b>2006</b> , 385, 1109-15  | 4.4              | 39  |
| 3  | Effects of flooding on lead and cadmium speciation in sediments from a drinking water reservoir.<br>Environmental Monitoring and Assessment, <b>2006</b> , 118, 113-23   | 3.1              | 14  |
| 2  | ICP-MS measurements of lead isotopic ratios in soils heavily contaminated by lead smelting: tracing the sources of pollution. <i>Analytical and Bioanalytical Chemistry</i> , <b>2004</b> , 378, 311-7                               | 4.4              | 161 |
| 1  | Metal isotope complexation with environmentally relevant surfaces: Opening the isotope fractionation black box. <i>Critical Reviews in Environmental Science and Technology</i> .1-31  | 11.1             | 5   |